FuncTest test results

Release arno.2015.1.0 (b6ca5b5)

OPNFV

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CHAPTER

ONE

FUNCTEST TEST RESULT DOCUMENT OVERVIEW

Functest project is described in Functest user guide. The user guide details the different test cases as well as the possible errors. A developer guide and a configuration guide are also available.

Functest is run systematically at the end of an OPNFV fresh installation. All the runnable tests are run sequentially. The installer and the scenario are considered to evaluate whether the test case can be run or not. That is why all the number of test cases may vary from 1 installer to another and from 1 scenario to another.

The list of scenario supported by installer can be described as follows:

Scenario	Apex	Compass	Fuel	Joid
odl_l2	X	X	X	X
onos		X		
nosdn		X	X	
ovs (dpdk)			X	

The matrix below details the Functest runnable tests versus the installer and the scenario:

Test cases	Apex	Compass	Fuel	Joid
vPing SSH	all	all	all	all
vPing userdata	all except ONOS	all except ONOS	all except ONOS	all except ONOS
Tempest	all	all	all	all
Rally	all	all	all	all
ODL	all ODL	all ODL	all ODL	all ODL
ONOS	ONOS	ONOS	ONOS	ONOS
Promise	no	no	all	all
vIMS	all except ONOS	all except ONOS	all except ONOS	all except ONOS
Doctor	all	no	no	no

all means that the test case is run on all the scenarios related to the installer.

Functest results from continuous integration can be found in:

- jenkins logs: https://build.opnfv.org/ci/view/functest/
- artifacts http://artifacts.opnfv.org/, it includes the tempest logs and the

Rally html pages

CHAPTER

TWO

ADDITIONAL TEST RESULT ASSESTS AND INFORMATION

The Functest deals with 2 dashboards:

- The Test Dashboard provides an overview of all the projects
- The Functest Dashboard dedicated to Functest real-time test results
  - is used to provide a quick overview of the different testcases according to installer and scenario.

CHAPTER

THREE

RESULTS LISTED BY SCENARIO

The following sections describe the functest results as evaluated for the Brahmaputra release scenario validation runs. Each section describes the determined state of the specific scenario as deployed in the Brahmaputra release process.

To qualify for release the scenarios must have deployed and been successfully tested in four consecutive installations to establish stability of deployment and feature capability

3.1 Detailed test results for compass-os-nosdn-nofeature-ha

3.2 VIM

3.2.1 vping_ssh

```
FUNCTEST.info: Running vPing-SSH test...
vPing_ssh- INFO - Creating image 'functest-vping' from '/home/opnfv/functest/data/cirros-0.3.4-x86_64
vPing_ssh- INFO - Creating neutron network vping-net...
vPing_ssh- INFO - Creating security group  'vPing-sg'...
vPing_ssh- INFO - Using existing Flavor 'm1.small'...
vPing_ssh- INFO - vPing Start Time:'2016-02-23 04:35:47'
vPing_ssh- INFO - Creating instance 'opnfv-vping-1'...
 name=opnfv-vping-1
 flavor=<Flavor: m1.small>
 image=193891f9-6644-4668-9ac4-bd9336610a99
 network=999caa31-8f28-4737-aa6e-3981e28a7e55

vPing_ssh- INFO - Instance 'opnfv-vping-1' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-1' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating instance 'opnfv-vping-2'...
 name=opnfv-vping-2
 flavor=<Flavor: m1.small>
 image=193891f9-6644-4668-9ac4-bd9336610a99
 network=999caa31-8f28-4737-aa6e-3981e28a7e55

vPing_ssh- INFO - Instance 'opnfv-vping-2' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-2' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating floating IP for VM 'opnfv-vping-2'...
vPing_ssh- INFO - Floating IP created: '192.168.10.101'
vPing_ssh- INFO - Associating floating ip: '192.168.10.101' to VM 'opnfv-vping-2'
vPing_ssh- INFO - Trying to establish SSH connection to 192.168.10.101...
vPing_ssh- INFO - Waiting for ping...
vPing_ssh- INFO - vPing detected!
vPing_ssh- INFO - vPing duration:'43.2' s.
```

```
vPing_ssh- INFO - Cleaning up...
vPing_ssh- INFO - vPing OK
```

3.2.2 vping_userdata

```
FUNCTEST.info: Running vPing-userdata test...
vPing_userdata- INFO - Creating image 'functest-vping' from '/home/opnfv/functest/data/cirros-0.3.4-x
vPing_userdata- INFO - Creating neutron network vping-net...
vPing_userdata- INFO - Creating security group  'vPing-sg'...
vPing_userdata- INFO - Flavor found 'm1.small'
vPing_userdata- INFO - vPing Start Time:'2016-02-23 04:36:44'
vPing_userdata- INFO - Creating instance 'opnfv-vping-1'...
 name=opnfv-vping-1
 flavor=<Flavor: m1.small>
 image=53004632-aa69-4868-8234-2ef945681fcd
 network=bf5529b1-1cb7-4ea6-93b8-5ff436c5ed3c

vPing_userdata- INFO - Instance 'opnfv-vping-1' is ACTIVE.
vPing_userdata- INFO - Creating instance 'opnfv-vping-2'...
 name=opnfv-vping-2
 flavor=<Flavor: m1.small>
 image=53004632-aa69-4868-8234-2ef945681fcd
 network=bf5529b1-1cb7-4ea6-93b8-5ff436c5ed3c
 userdata=
#!/bin/sh

while true; do
 ping -c 1 192.168.130.3 2>&1 >/dev/null
 RES=$?
 if [ "Z$RES" = "Z0" ] ; then
  echo 'vPing OK'
 break
 else
  echo 'vPing KO'
 fi
 sleep 1
done

vPing_userdata- INFO - Instance 'opnfv-vping-2' is ACTIVE.
vPing_userdata- INFO - Waiting for ping...
vPing_userdata- INFO - vPing detected!
vPing_userdata- INFO - vPing duration:'24.4'
vPing_userdata- INFO - vPing OK
vPing_userdata- INFO - Cleaning up...
vPing_userdata- INFO - Deleting network 'vping-net'...
```

3.2.3 Tempest

```
FUNCTEST.info: Running Tempest tests...
run_tempest - INFO - Creating tenant and user for Tempest suite
2016-02-23 04:37:19.865 23855 INFO rally.verification.tempest.tempest [-] Starting: Creating configur
2016-02-23 04:37:24.332 23855 INFO rally.verification.tempest.tempest [-] Completed: Creating configu

run_tempest - INFO - Starting Tempest test suite: '--tests-file /home/opnfv/repos/functest/testcases/
Total results of verification:
```

```
+--------------------------------------+--------------------------------------+----------+-------+---
| UUID                                 | Deployment UUID                      | Set name | Tests | Fa
+--------------------------------------+--------------------------------------+----------+-------+---
| 28be74fb-34e0-4247-833c-a8c5b3fd85d2 | d2a31b24-70b3-48ab-bd03-8d7a0dab20bd |          | 210   | 0
+--------------------------------------+--------------------------------------+----------+-------+---

Tests:

+-------------------------------------------------------------------------------------------------------
| name
+-------------------------------------------------------------------------------------------------------
| tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_get_flavor
| tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_list_flavors
| tempest.api.compute.images.test_images.ImagesTestJSON.test_delete_saving_image
| tempest.api.compute.images.test_images_oneserver.ImagesOneServerTestJSON.test_create_delete_image
| tempest.api.compute.images.test_images_oneserver.ImagesOneServerTestJSON.test_create_image_specify_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_limit_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_get_image
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_list_images
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_list_images_with_detail
| tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_secur
| tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_secur
| tempest.api.compute.security_groups.test_security_groups.SecurityGroupsTestJSON.test_security_group
| tempest.api.compute.servers.test_attach_interfaces.AttachInterfacesTestJSON.test_add_remove_fixed_
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_host_name_is_same_as_server_nam
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_created_server_vcpus
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_server_details
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_host_name_is_same_as_serv
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_created_server_vcp
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_server_details
| tempest.api.compute.servers.test_instance_actions.InstanceActionsTestJSON.test_get_instance_action
| tempest.api.compute.servers.test_instance_actions.InstanceActionsTestJSON.test_list_instance_action
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
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| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_change_server_password
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_get_console_output
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_lock_unlock_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_hard
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_soft
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_rebuild_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_resize_server_confirm
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_resize_server_revert
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_stop_start_server
| tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresse
| tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresse
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_delete_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_get_server_metadata_it
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_list_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_set_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_set_server_metadata_it
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_update_server_metadata
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_server_with_admin_password
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_specify_keypair
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_with_existing_server_name
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_access_server_address
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_server_name
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_numeric_serve
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_server_metada
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_server_name_l
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_a_server_of_a
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_server_pass_i
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_server_pass_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_get_non_existent_ser
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_invalid_ip_v6_addres
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_reboot_non_existent_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_rebuild_non_existent
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_resize_server_with_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_resize_server_with_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_server_name_blank
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_stop_non_existent_se
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_name_of_non_e
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_name_l
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_of_and
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_set_en
```

```
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_keypair_in_analt_user_tena
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_server_fails_when_tenant_i
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_server_with_unauthorized_i
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_get_keypair_of_alt_account_fails
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_get_metadata_of_alt_account_serve
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_set_metadata_of_alt_account_serve
| tempest.api.compute.test_quotas.QuotasTestJSON.test_get_default_quotas
| tempest.api.compute.test_quotas.QuotasTestJSON.test_get_quotas
| tempest.api.compute.volumes.test_attach_volume.AttachVolumeTestJSON.test_attach_detach_volume
| tempest.api.compute.volumes.test_volumes_list.VolumesTestJSON.test_volume_list
| tempest.api.compute.volumes.test_volumes_list.VolumesTestJSON.test_volume_list_with_details
| tempest.api.compute.volumes.test_volumes_negative.VolumesNegativeTest.test_get_invalid_volume_id
| tempest.api.compute.volumes.test_volumes_negative.VolumesNegativeTest.test_get_volume_without_passi
| tempest.api.identity.admin.v2.test_services.ServicesTestJSON.test_list_services
| tempest.api.identity.admin.v2.test_users.UsersTestJSON.test_create_user
| tempest.api.identity.admin.v3.test_credentials.CredentialsTestJSON.test_credentials_create_get_upda
| tempest.api.identity.admin.v3.test_domains.DefaultDomainTestJSON.test_default_domain_exists
| tempest.api.identity.admin.v3.test_domains.DomainsTestJSON.test_create_update_delete_domain
| tempest.api.identity.admin.v3.test_endpoints.EndPointsTestJSON.test_update_endpoint
| tempest.api.identity.admin.v3.test_groups.GroupsV3TestJSON.test_group_users_add_list_delete
| tempest.api.identity.admin.v3.test_policies.PoliciesTestJSON.test_create_update_delete_policy
| tempest.api.identity.admin.v3.test_regions.RegionsTestJSON.test_create_region_with_specific_id
| tempest.api.identity.admin.v3.test_roles.RolesV3TestJSON.test_role_create_update_get_list
| tempest.api.identity.admin.v3.test_services.ServicesTestJSON.test_create_update_get_service
| tempest.api.identity.admin.v3.test_trusts.TrustsV3TestJSON.test_get_trusts_all
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.image.v1.test_images.ListImagesTest.test_index_no_params
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_delete_image
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_register_upload_get_image_file
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_update_image
| tempest.api.network.test_extensions.ExtensionsTestJSON.test_list_show_extensions
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_floating_ip_specifying_a_fixed
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_list_show_update_delete_floati
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_port
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_port
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_subnets
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_subnet
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_list_subnets
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_show_subnet
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_port_in_allowed_allocation_pools
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_port_with_no_securitygroups
```

```
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_update_delete_port
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_list_ports
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_show_port
| tempest.api.network.test_ports.PortsTestJSON.test_create_port_in_allowed_allocation_pools
| tempest.api.network.test_ports.PortsTestJSON.test_create_port_with_no_securitygroups
| tempest.api.network.test_ports.PortsTestJSON.test_create_update_delete_port
| tempest.api.network.test_ports.PortsTestJSON.test_list_ports
| tempest.api.network.test_ports.PortsTestJSON.test_show_port
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_multiple_router_interfaces
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_remove_router_interface_with_port_id
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_remove_router_interface_with_subnet_id
| tempest.api.network.test_routers.RoutersIpV6Test.test_create_show_list_update_delete_router
| tempest.api.network.test_routers.RoutersTest.test_add_multiple_router_interfaces
| tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_port_id
| tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_subnet_id
| tempest.api.network.test_routers.RoutersTest.test_create_show_list_update_delete_router
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_list_update_show_delete_secur
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_show_delete_security_group_ru
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_list_security_groups
| tempest.api.network.test_security_groups.SecGroupTest.test_create_list_update_show_delete_security_
| tempest.api.network.test_security_groups.SecGroupTest.test_create_show_delete_security_group_rule
| tempest.api.network.test_security_groups.SecGroupTest.test_list_security_groups
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_list
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_show
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_template
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_list
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_metadata
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_software_config
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_create_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_crud_no_resources
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_list_responds
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_g
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_g
| tempest.api.volume.test_volumes_actions.VolumesV1ActionsTest.test_attach_detach_volume_to_instance
| tempest.api.volume.test_volumes_actions.VolumesV2ActionsTest.test_attach_detach_volume_to_instance
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_list.VolumesV1ListTestJSON.test_volume_list
| tempest.api.volume.test_volumes_list.VolumesV2ListTestJSON.test_volume_list
| tempest.scenario.test_network_basic_ops.TestNetworkBasicOps.test_network_basic_ops
| tempest.scenario.test_server_basic_ops.TestServerBasicOps.test_server_basicops
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPattern.test_volume_boot_pattern
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPatternV2.test_volume_boot_pattern
+-------------------------------------------------------------------------------------------
run_tempest - INFO - Results: {'timestart': '2016-02-2304:37:25.793306', 'duration': 261, 'tests': 21
run_tempest - INFO - Pushing results to DB: 'http://testresults.opnfv.org/testapi/results'.
run_tempest - INFO - Deleting tenant and user for Tempest suite)
```

3.2.4 Rally

```
FUNCTEST.info: Running Rally benchmark suite...
run_rally - INFO - Starting test scenario "authenticate" ...
```

```
run_rally - INFO -
 Preparing input task
 Task  d78a7e66-b2a5-42de-ac0c-cc6145aaa77a: started
Task d78a7e66-b2a5-42de-ac0c-cc6145aaa77a: finished

test scenario Authenticate.validate_glance
+-----------------------------------------------------------------------------------------------------------
|                                          Response Times (sec)
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                           | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_glance     | 0.122 | 0.136  | 0.153  | 0.155  | 0.158 | 0.138 | 100.0%  | 10
| authenticate.validate_glance (2) | 0.039 | 0.045  | 0.056  | 0.06   | 0.064 | 0.047 | 100.0%  | 10
| total                            | 0.227 | 0.264  | 0.28   | 0.283  | 0.285 | 0.26  | 100.0%  | 10
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 0.795955181122
Full duration: 2.89371585846

test scenario Authenticate.keystone
+-------------------------------------------------------------------------------+
|                            Response Times (sec)                               |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
| action | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
| total  | 0.064 | 0.077  | 0.097  | 0.114  | 0.131 | 0.081 | 100.0%  | 10    |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.246862888336
Full duration: 2.44218397141

test scenario Authenticate.validate_heat
+-----------------------------------------------------------------------------------------------------------
|                                         Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| authenticate.validate_heat     | 0.127 | 0.151  | 0.186  | 0.195  | 0.205 | 0.157 | 100.0%  | 10
| authenticate.validate_heat (2) | 0.026 | 0.09   | 0.113  | 0.133  | 0.153 | 0.08  | 100.0%  | 10
| total                          | 0.228 | 0.319  | 0.383  | 0.402  | 0.422 | 0.321 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
Load duration: 0.963713884354
Full duration: 3.11927700043

test scenario Authenticate.validate_nova
+-----------------------------------------------------------------------------------------------------------
|                                         Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| authenticate.validate_nova     | 0.104 | 0.122  | 0.133  | 0.139  | 0.144 | 0.121 | 100.0%  | 10
| authenticate.validate_nova (2) | 0.028 | 0.031  | 0.04   | 0.041  | 0.042 | 0.034 | 100.0%  | 10
| total                          | 0.2   | 0.243  | 0.249  | 0.256  | 0.263 | 0.235 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
Load duration: 0.704430103302
Full duration: 2.78888607025

test scenario Authenticate.validate_cinder
+-----------------------------------------------------------------------------------------------------------
|                                          Response Times (sec)
```

```
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                           | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_cinder     | 0.102 | 0.117  | 0.131  | 0.139  | 0.147 | 0.119 | 100.0%  | 10
| authenticate.validate_cinder (2) | 0.019 | 0.076  | 0.083  | 0.085  | 0.087 | 0.071 | 100.0%  | 10
| total                            | 0.229 | 0.263  | 0.304  | 0.317  | 0.331 | 0.269 | 100.0%  | 10
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 0.82511305809
Full duration: 2.97128987312

test scenario Authenticate.validate_neutron
+-----------------------------------------------------------------------------------------------------
|                                          Response Times (sec)
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+---
| action                           | min   | median | 90%ile | 95%ile | max   | avg   | success | co
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+---
| authenticate.validate_neutron    | 0.111 | 0.12   | 0.134  | 0.135  | 0.135 | 0.123 | 100.0%  | 10
| authenticate.validate_neutron (2) | 0.03  | 0.086  | 0.104  | 0.104  | 0.104 | 0.084 | 100.0%  | 10
| total                            | 0.22  | 0.28   | 0.307  | 0.31   | 0.312 | 0.278 | 100.0%  | 10
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+---
Load duration: 0.855668067932
Full duration: 3.13501811028

run_rally - INFO - Test scenario: "authenticate" OK.
run_rally - INFO - Starting test scenario "glance" ...
run_rally - INFO -
 Preparing input task
 Task  3234c959-6176-4a4f-adf4-50f3f3083d67: started
Task 3234c959-6176-4a4f-adf4-50f3f3083d67: finished

test scenario GlanceImages.list_images
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.list_images | 0.189 | 0.215  | 0.246  | 0.252  | 0.258 | 0.218 | 100.0%  | 10    |
| total              | 0.189 | 0.215  | 0.246  | 0.252  | 0.258 | 0.218 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.649740934372
Full duration: 3.67985486984

test scenario GlanceImages.create_image_and_boot_instances
+-------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| glance.create_image | 2.782  | 3.177  | 3.617  | 3.638  | 3.659  | 3.198  | 100.0%  | 10    |
| nova.boot_servers   | 9.48   | 13.931 | 17.26  | 17.274 | 17.287 | 13.824 | 100.0%  | 10    |
| total              | 12.296 | 16.956 | 20.848 | 20.857 | 20.866 | 17.022 | 100.0%  | 10    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 49.9618289471
Full duration: 73.9044458866

test scenario GlanceImages.create_and_list_image
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
```

```
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.create_image | 2.779 | 3.406  | 3.655  | 3.673  | 3.692 | 3.306 | 100.0%  | 10    |
| glance.list_images  | 0.039 | 0.046  | 0.048  | 0.049  | 0.049 | 0.045 | 100.0%  | 10    |
| total               | 2.82  | 3.453  | 3.703  | 3.722  | 3.741 | 3.351 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 9.77695393562
Full duration: 14.4172940254

test scenario GlanceImages.create_and_delete_image
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.create_image | 2.788 | 3.69   | 3.785  | 3.83   | 3.876 | 3.489 | 100.0%  | 10    |
| glance.delete_image | 0.129 | 0.146  | 0.203  | 0.239  | 0.275 | 0.166 | 100.0%  | 10    |
| total               | 2.933 | 3.884  | 3.951  | 3.986  | 4.02  | 3.655 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 10.762845993
Full duration: 13.6261451244

run_rally - INFO - Test scenario: "glance" OK.
run_rally - INFO - Starting test scenario "cinder" ...
run_rally - INFO -
 Preparing input task
 Task  21cb74f0-6bd9-44e3-aff3-99085ad0525f: started
Task 21cb74f0-6bd9-44e3-aff3-99085ad0525f: finished

test scenario CinderVolumes.create_and_attach_volume
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server     | 7.723  | 10.184 | 13.839 | 13.936 | 14.032 | 10.913 | 100.0%  | 10    |
| cinder.create_volume | 2.731  | 2.833  | 2.935  | 3.005  | 3.076  | 2.847  | 100.0%  | 10    |
| nova.attach_volume   | 7.613  | 7.977  | 8.755  | 9.542  | 10.33  | 8.197  | 100.0%  | 10    |
| nova.detach_volume   | 3.034  | 3.429  | 5.352  | 5.414  | 5.476  | 4.052  | 100.0%  | 10    |
| cinder.delete_volume | 2.44   | 2.495  | 2.591  | 2.6    | 2.609  | 2.503  | 100.0%  | 10    |
| nova.delete_server   | 2.423  | 2.508  | 2.823  | 3.661  | 4.499  | 2.704  | 100.0%  | 10    |
| total                | 28.081 | 29.986 | 35.858 | 36.584 | 37.309 | 31.218 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 93.1938638687
Full duration: 105.67930007

test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 2.887 | 5.424  | 5.581  | 5.636  | 5.69  | 4.98  | 100.0%  | 10    |
| cinder.list_volumes  | 0.079 | 0.157  | 0.177  | 0.182  | 0.186 | 0.147 | 100.0%  | 10    |
| total                | 2.966 | 5.594  | 5.745  | 5.781  | 5.817 | 5.127 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 14.3176538944
```

```
Full duration: 25.6212191582

test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 2.813 | 2.965  | 3.036  | 3.048  | 3.059 | 2.962 | 100.0%  | 10    |
| cinder.list_volumes  | 0.08  | 0.127  | 0.142  | 0.161  | 0.18  | 0.128 | 100.0%  | 10    |
| total                | 2.893 | 3.093  | 3.178  | 3.209  | 3.239 | 3.09  | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 9.30827403069
Full duration: 19.9378697872

test scenario CinderVolumes.create_and_list_snapshots
+-------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_snapshot | 2.438 | 2.526  | 2.593  | 2.593  | 2.593 | 2.528 | 100.0%  | 10    |
| cinder.list_snapshots  | 0.018 | 0.088  | 0.099  | 0.104  | 0.109 | 0.083 | 100.0%  | 10    |
| total                  | 2.523 | 2.613  | 2.683  | 2.687  | 2.692 | 2.611 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 7.79824590683
Full duration: 31.6265990734

test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 2.891 | 3.012  | 3.068  | 3.069  | 3.069 | 2.987 | 100.0%  | 10    |
| cinder.delete_volume | 2.505 | 2.583  | 2.686  | 2.713  | 2.739 | 2.598 | 100.0%  | 10    |
| total                | 5.445 | 5.6    | 5.697  | 5.7    | 5.703 | 5.586 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 16.8130619526
Full duration: 23.3862919807

test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.06  | 5.419  | 5.676  | 5.725  | 5.774 | 4.793 | 100.0%  | 10    |
| cinder.delete_volume | 2.457 | 2.536  | 2.613  | 2.63   | 2.648 | 2.548 | 100.0%  | 10    |
| total                | 5.557 | 7.997  | 8.239  | 8.276  | 8.313 | 7.341 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 21.6966080666
Full duration: 28.6927661896

test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	2.819	2.943	3.235	3.249	3.264	3.001	100.0%	10
cinder.delete_volume	2.545	2.581	2.665	2.684	2.702	2.603	100.0%	10
total	5.375	5.546	5.826	5.896	5.966	5.604	100.0%	10

Load duration: 16.8036949635
Full duration: 23.085185051

test scenario CinderVolumes.create_and_upload_volume_to_image

	Response Times (sec)							
action	min	median	90%ile	95%ile	max	avg	success	cou
cinder.create_volume	2.833	3.116	3.438	3.496	3.553	3.134	100.0%	10
cinder.upload_volume_to_image	25.838	62.678	78.019	78.434	78.85	55.7	100.0%	10
cinder.delete_volume	2.358	2.511	2.619	2.684	2.749	2.531	100.0%	10
nova.delete_image	0.221	0.371	3.025	13.33	23.635	2.707	100.0%	10
total	31.573	68.573	83.845	84.418	84.99	64.072	100.0%	10

Load duration: 182.231485128
Full duration: 189.13320303

test scenario CinderVolumes.create_and_delete_snapshot

	Response Times (sec)							
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_snapshot	2.43	2.545	2.599	2.6	2.602	2.539	100.0%	10
cinder.delete_snapshot	2.326	2.495	2.611	2.675	2.739	2.493	100.0%	10
total	4.887	5.04	5.173	5.186	5.199	5.032	100.0%	10

Load duration: 14.9942228794
Full duration: 33.8261451721

test scenario CinderVolumes.create_volume

	Response Times (sec)							
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	2.829	2.973	3.402	3.412	3.422	3.063	100.0%	10
total	2.829	2.973	3.403	3.412	3.422	3.063	100.0%	10

Load duration: 9.0781109333
Full duration: 18.1423990726

test scenario CinderVolumes.create_volume

	Response Times (sec)							
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	2.85	2.939	2.978	2.984	2.99	2.932	100.0%	10
total	2.85	2.94	2.978	2.984	2.99	2.932	100.0%	10

Load duration: 8.73497700691
Full duration: 19.4855289459

test scenario CinderVolumes.list_volumes

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.list_volumes	0.211	0.266	0.312	0.327	0.342	0.274	100.0%	10
total	0.211	0.266	0.312	0.327	0.342	0.275	100.0%	10

Load duration: 0.827063083649
Full duration: 47.6483559608

test scenario CinderVolumes.create_nested_snapshots_and_attach_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	2.852	3.009	3.091	3.106	3.122	3.005	100.0%	10
cinder.create_snapshot	2.321	2.392	2.404	2.404	2.405	2.377	100.0%	10
nova.attach_volume	5.473	7.981	11.399	12.215	13.031	8.96	100.0%	10
nova.detach_volume	3.035	5.168	5.603	5.772	5.941	4.587	100.0%	10
cinder.delete_snapshot	2.209	2.347	2.41	2.417	2.424	2.349	100.0%	10
cinder.delete_volume	2.412	2.494	2.582	2.616	2.65	2.508	100.0%	10
total	21.417	23.884	26.577	26.903	27.228	24.098	100.0%	10

Load duration: 70.9750390053
Full duration: 126.263324976

test scenario CinderVolumes.create_from_volume_and_delete_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	9.872	12.204	17.525	19.351	21.177	13.167	100.0%	10
cinder.delete_volume	2.325	2.554	2.928	3.924	4.92	2.779	100.0%	10
total	12.426	14.781	20.202	21.897	23.592	15.947	100.0%	10

Load duration: 43.4407100677
Full duration: 62.327357769

test scenario CinderVolumes.create_and_extend_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	2.858	2.94	3.074	3.087	3.1	2.956	100.0%	10
cinder.extend_volume	2.572	2.848	2.884	2.919	2.954	2.8	100.0%	10
cinder.delete_volume	2.433	2.567	2.67	2.693	2.716	2.567	100.0%	10
total	7.982	8.292	8.558	8.616	8.674	8.323	100.0%	10

Load duration: 24.9033889771
Full duration: 31.5932898521

```
test scenario CinderVolumes.create_snapshot_and_attach_volume
+-----------------------------------------------------------------------------------------------+
|                                     Response Times (sec)                                      |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume  | 2.882  | 2.947  | 3.229  | 3.231  | 3.233  | 3.005  | 100.0%  | 10    |
| cinder.create_snapshot | 2.268  | 2.345  | 2.421  | 2.456  | 2.491  | 2.36   | 100.0%  | 10    |
| nova.attach_volume    | 7.593  | 8.071  | 12.707 | 13.727 | 14.747 | 9.373  | 100.0%  | 10    |
| nova.detach_volume    | 2.962  | 5.331  | 5.412  | 5.491  | 5.57   | 5.076  | 100.0%  | 10    |
| cinder.delete_snapshot | 2.185  | 2.286  | 2.366  | 2.374  | 2.381  | 2.298  | 100.0%  | 10    |
| cinder.delete_volume  | 2.425  | 2.524  | 2.593  | 2.61   | 2.627  | 2.52   | 100.0%  | 10    |
| total                 | 21.713 | 23.963 | 28.368 | 29.657 | 30.947 | 24.974 | 100.0%  | 10    |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 73.7474370003
Full duration: 132.963656902

test scenario CinderVolumes.create_snapshot_and_attach_volume
+-----------------------------------------------------------------------------------------------+
|                                     Response Times (sec)                                      |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume  | 2.739  | 2.89   | 3.033  | 3.058  | 3.084  | 2.914  | 100.0%  | 10    |
| cinder.create_snapshot | 2.247  | 2.401  | 2.466  | 2.485  | 2.503  | 2.388  | 100.0%  | 10    |
| nova.attach_volume    | 7.882  | 8.891  | 10.439 | 11.312 | 12.186 | 9.222  | 100.0%  | 10    |
| nova.detach_volume    | 2.94   | 5.373  | 5.635  | 5.661  | 5.687  | 4.764  | 100.0%  | 10    |
| cinder.delete_snapshot | 2.283  | 2.332  | 2.481  | 2.585  | 2.688  | 2.381  | 100.0%  | 10    |
| cinder.delete_volume  | 2.425  | 2.495  | 2.547  | 2.558  | 2.569  | 2.489  | 100.0%  | 10    |
| total                 | 21.386 | 24.555 | 26.13  | 26.247 | 26.365 | 24.746 | 100.0%  | 10    |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 76.0001449585
Full duration: 139.533368111

run_rally - INFO - Test scenario: "cinder" OK.
run_rally - INFO - Starting test scenario "heat" ...
run_rally - INFO -
 Preparing input task
 Task  7d1551b5-51d4-480b-816d-571bc61773ac: started
Task 7d1551b5-51d4-480b-816d-571bc61773ac: finished

test scenario HeatStacks.create_suspend_resume_delete_stack
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack  | 2.896 | 3.025  | 3.297  | 3.342  | 3.386 | 3.075 | 100.0%  | 10    |
| heat.suspend_stack | 0.444 | 1.622  | 1.791  | 1.817  | 1.844 | 1.332 | 100.0%  | 10    |
| heat.resume_stack  | 1.365 | 1.657  | 1.701  | 1.755  | 1.809 | 1.598 | 100.0%  | 10    |
| heat.delete_stack  | 0.499 | 1.531  | 1.644  | 1.655  | 1.665 | 1.451 | 100.0%  | 10    |
| total              | 5.782 | 7.652  | 8.146  | 8.28   | 8.414 | 7.455 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 21.9193868637
Full duration: 25.3411290646

test scenario HeatStacks.create_and_delete_stack
+-----------------------------------------------------------------------------------------+
```

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	3.023	3.144	3.331	3.531	3.73	3.206	100.0%	10
heat.delete_stack	0.437	0.646	1.617	1.676	1.734	0.972	100.0%	10
total	3.54	3.767	4.914	5.114	5.314	4.178	100.0%	10

Load duration: 12.2326231003
Full duration: 15.3595271111

test scenario HeatStacks.create_and_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	14.933	16.348	17.828	18.321	18.813	16.471	100.0%	10
heat.delete_stack	6.665	8.038	8.335	8.772	9.208	7.711	100.0%	10
total	22.386	24.346	25.661	25.74	25.818	24.182	100.0%	10

Load duration: 72.8466770649
Full duration: 76.0618572235

test scenario HeatStacks.create_and_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	16.663	19.357	20.553	21.32	22.088	19.17	100.0%	10
heat.delete_stack	9.144	9.269	10.036	10.227	10.417	9.461	100.0%	10
total	25.982	28.953	30.462	30.847	31.232	28.631	100.0%	10

Load duration: 84.6888990402
Full duration: 88.1814341545

test scenario HeatStacks.list_stacks_and_resources

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	cou
heat.list_stacks	0.219	0.246	0.383	0.4	0.417	0.287	100.0%	10
heat.list_resources_of_0_stacks	0.0	0.0	0.0	0.0	0.0	0.0	100.0%	10
total	0.219	0.246	0.383	0.4	0.418	0.287	100.0%	10

Load duration: 0.863615989685
Full duration: 3.55412602425

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	2.866	3.102	3.266	3.29	3.314	3.097	100.0%	10
heat.update_stack	2.641	3.637	3.803	3.813	3.822	3.497	100.0%	10

```
| heat.delete_stack | 1.394 | 1.515  | 1.651  | 1.666  | 1.681 | 1.534 | 100.0%  | 10    |
| total             | 7.247 | 8.255  | 8.454  | 8.543  | 8.631 | 8.127 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 24.2989928722
Full duration: 27.7337241173

test scenario HeatStacks.create_update_delete_stack
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 2.799 | 3.033  | 3.19   | 3.306  | 3.422 | 3.046 | 100.0%  | 10    |
| heat.update_stack | 2.509 | 3.732  | 3.845  | 3.847  | 3.849 | 3.321 | 100.0%  | 10    |
| heat.delete_stack | 1.302 | 1.538  | 1.641  | 1.733  | 1.824 | 1.542 | 100.0%  | 10    |
| total             | 7.14  | 8.084  | 8.351  | 8.371  | 8.39  | 7.909 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 23.4465420246
Full duration: 27.0243220329

test scenario HeatStacks.create_update_delete_stack
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 2.894 | 3.127  | 3.22   | 3.399  | 3.579  | 3.129  | 100.0%  | 10    |
| heat.update_stack | 4.739 | 5.169  | 6.092  | 6.105  | 6.119  | 5.309  | 100.0%  | 10    |
| heat.delete_stack | 1.422 | 1.839  | 2.562  | 2.565  | 2.567  | 1.989  | 100.0%  | 10    |
| total             | 9.674 | 10.622 | 10.9   | 10.921 | 10.941 | 10.427 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 30.9374701977
Full duration: 34.6409509182

test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------+
|                          Response Times (sec)                           |
+--------+-----+--------+--------+--------+-----+-----+---------+-------+
| action | min | median | 90%ile | 95%ile | max | avg | success | count |
+--------+-----+--------+--------+--------+-----+-----+---------+-------+
| total  | n/a | n/a    | n/a    | n/a    | n/a | n/a | 0.0%    | 5     |
+--------+-----+--------+--------+--------+-----+-----+---------+-------+
Load duration: 6.25441002846
Full duration: 14.2524240017

test scenario HeatStacks.create_update_delete_stack
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 2.776 | 3.256  | 3.502  | 3.878  | 4.255  | 3.292  | 100.0%  | 10    |
| heat.update_stack | 4.632 | 4.964  | 5.353  | 5.818  | 6.284  | 5.076  | 100.0%  | 10    |
| heat.delete_stack | 1.439 | 2.134  | 2.645  | 2.668  | 2.691  | 2.088  | 100.0%  | 10    |
| total             | 9.373 | 10.496 | 11.129 | 11.584 | 12.039 | 10.455 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 31.1429200172
Full duration: 34.8937320709
```

```
test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 2.804 | 3.071  | 3.166  | 3.186  | 3.206 | 3.026 | 100.0%  | 10    |
| heat.update_stack | 2.737 | 3.748  | 4.018  | 4.043  | 4.068 | 3.617 | 100.0%  | 10    |
| heat.delete_stack | 1.31  | 1.555  | 1.823  | 1.832  | 1.841 | 1.569 | 100.0%  | 10    |
| total             | 7.424 | 8.294  | 8.696  | 8.74   | 8.783 | 8.212 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 24.5028841496
Full duration: 28.3026170731

test scenario HeatStacks.create_and_list_stack
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 2.956 | 3.13   | 3.324  | 3.341  | 3.359 | 3.141 | 100.0%  | 10    |
| heat.list_stacks  | 0.033 | 0.168  | 0.248  | 0.276  | 0.304 | 0.14  | 100.0%  | 10    |
| total             | 3.124 | 3.262  | 3.41   | 3.453  | 3.497 | 3.281 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 10.0396568775
Full duration: 17.6087501049

test scenario HeatStacks.create_check_delete_stack
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 2.922 | 3.155  | 3.412  | 3.413  | 3.415 | 3.159 | 100.0%  | 10    |
| heat.check_stack  | 0.418 | 0.518  | 1.02   | 1.361  | 1.702 | 0.701 | 100.0%  | 10    |
| heat.delete_stack | 0.687 | 1.665  | 1.773  | 1.786  | 1.799 | 1.56  | 100.0%  | 10    |
| total             | 4.445 | 5.362  | 5.863  | 6.138  | 6.413 | 5.42  | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 16.1680779457
Full duration: 20.0481300354

run_rally - INFO - Test scenario: "heat" Failed.
run_rally - INFO - Starting test scenario "keystone" ...
run_rally - INFO -
 Preparing input task
 Task  5cfc1b63-088e-4840-a525-13064451e8d6: started
Task 5cfc1b63-088e-4840-a525-13064451e8d6: finished

test scenario KeystoneBasic.create_tenant_with_users
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.105 | 0.119  | 0.16   | 0.16   | 0.161 | 0.125 | 100.0%  | 10    |
| keystone.create_users  | 0.592 | 0.653  | 0.694  | 0.719  | 0.744 | 0.657 | 100.0%  | 10    |
| total                  | 0.706 | 0.77   | 0.844  | 0.874  | 0.905 | 0.782 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

```
Load duration: 2.32407808304
Full duration: 12.4144320488

test scenario KeystoneBasic.create_add_and_list_user_roles
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_role | 0.116 | 0.119  | 0.144  | 0.149  | 0.154 | 0.125 | 100.0%  | 10    |
| keystone.add_role    | 0.088 | 0.099  | 0.107  | 0.107  | 0.107 | 0.099 | 100.0%  | 10    |
| keystone.list_roles  | 0.054 | 0.058  | 0.095  | 0.097  | 0.1   | 0.067 | 100.0%  | 10    |
| total                | 0.27  | 0.28   | 0.345  | 0.35   | 0.355 | 0.292 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.863723993301
Full duration: 6.29958295822

test scenario KeystoneBasic.add_and_remove_user_role
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_role | 0.121 | 0.217  | 0.274  | 0.281  | 0.288 | 0.2   | 100.0%  | 10    |
| keystone.add_role    | 0.089 | 0.092  | 0.098  | 0.098  | 0.099 | 0.093 | 100.0%  | 10    |
| keystone.remove_role | 0.058 | 0.061  | 0.156  | 0.161  | 0.167 | 0.081 | 100.0%  | 10    |
| total                | 0.274 | 0.371  | 0.497  | 0.517  | 0.537 | 0.373 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.090020895
Full duration: 6.37877011299

test scenario KeystoneBasic.create_update_and_delete_tenant
+-------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.123 | 0.223  | 0.286  | 0.291  | 0.296 | 0.209 | 100.0%  | 10    |
| keystone.update_tenant | 0.052 | 0.056  | 0.065  | 0.066  | 0.068 | 0.057 | 100.0%  | 10    |
| keystone.delete_tenant | 0.125 | 0.135  | 0.286  | 0.307  | 0.327 | 0.18  | 100.0%  | 10    |
| total                  | 0.302 | 0.416  | 0.63   | 0.632  | 0.634 | 0.446 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.29043102264
Full duration: 5.07875084877

test scenario KeystoneBasic.create_and_delete_service
+---------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                     |
+-------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                  | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_service | 0.109 | 0.123  | 0.128  | 0.132  | 0.135 | 0.122 | 100.0%  | 10    |
| keystone.delete_service | 0.059 | 0.07   | 0.121  | 0.128  | 0.134 | 0.079 | 100.0%  | 10    |
| total                   | 0.174 | 0.196  | 0.234  | 0.245  | 0.255 | 0.201 | 100.0%  | 10    |
+-------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.603389024734
Full duration: 4.27351093292
```

test scenario KeystoneBasic.create_tenant

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.118	0.133	0.186	0.187	0.188	0.142	100.0%	10
total	0.118	0.133	0.186	0.187	0.188	0.142	100.0%	10

Load duration: 0.428766012192
Full duration: 4.18886899948

test scenario KeystoneBasic.create_user

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_user	0.137	0.138	0.145	0.145	0.146	0.14	100.0%	10
total	0.137	0.138	0.145	0.145	0.146	0.14	100.0%	10

Load duration: 0.443462133408
Full duration: 4.19236207008

test scenario KeystoneBasic.create_and_list_tenants

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.111	0.117	0.165	0.178	0.191	0.132	100.0%	10
keystone.list_tenants	0.046	0.055	0.065	0.066	0.067	0.055	100.0%	10
total	0.163	0.179	0.214	0.231	0.247	0.187	100.0%	10

Load duration: 0.561487913132
Full duration: 5.7246799469

test scenario KeystoneBasic.create_and_delete_role

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_role	0.12	0.232	0.282	0.289	0.296	0.206	100.0%	10
keystone.delete_role	0.104	0.117	0.133	0.169	0.206	0.124	100.0%	10
total	0.239	0.342	0.401	0.452	0.502	0.33	100.0%	10

Load duration: 0.990566015244
Full duration: 4.97686004639

test scenario KeystoneBasic.get_entities

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.106	0.133	0.16	0.174	0.187	0.139	100.0%	10
keystone.create_user	0.058	0.066	0.07	0.071	0.071	0.065	100.0%	10

```
| keystone.create_role   | 0.046 | 0.053  | 0.07   | 0.086  | 0.103 | 0.059 | 100.0%  | 10    |
| keystone.get_tenant    | 0.044 | 0.048  | 0.055  | 0.076  | 0.098 | 0.053 | 100.0%  | 10    |
| keystone.get_user      | 0.051 | 0.057  | 0.063  | 0.063  | 0.063 | 0.057 | 100.0%  | 10    |
| keystone.get_role      | 0.044 | 0.047  | 0.055  | 0.056  | 0.058 | 0.049 | 100.0%  | 10    |
| keystone.service_list  | 0.045 | 0.049  | 0.06   | 0.081  | 0.101 | 0.054 | 100.0%  | 10    |
| keystone.get_service   | 0.043 | 0.049  | 0.062  | 0.079  | 0.097 | 0.053 | 100.0%  | 10    |
| total                  | 0.475 | 0.518  | 0.577  | 0.6    | 0.622 | 0.529 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.58831310272
Full duration: 9.76444888115

test scenario KeystoneBasic.create_and_list_users
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_user | 0.13  | 0.145  | 0.177  | 0.195  | 0.213 | 0.152 | 100.0%  | 10    |
| keystone.list_users  | 0.052 | 0.055  | 0.08   | 0.093  | 0.106 | 0.062 | 100.0%  | 10    |
| total                | 0.183 | 0.2    | 0.269  | 0.274  | 0.279 | 0.214 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.642003059387
Full duration: 4.59805297852

run_rally - INFO - Test scenario: "keystone" OK.
run_rally - INFO - Starting test scenario "neutron" ...
run_rally - INFO -
 Preparing input task
 Task  aa890d07-7f64-4bf2-9cc1-adb8d5a95c9e: started
Task aa890d07-7f64-4bf2-9cc1-adb8d5a95c9e: finished

test scenario NeutronNetworks.create_and_delete_ports
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_port  | 0.42  | 0.516  | 0.669  | 0.677  | 0.684 | 0.538 | 100.0%  | 10    |
| neutron.delete_port  | 0.149 | 0.287  | 0.338  | 0.344  | 0.349 | 0.274 | 100.0%  | 10    |
| total                | 0.65  | 0.787  | 0.989  | 0.992  | 0.996 | 0.812 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.28342914581
Full duration: 25.3548538685

test scenario NeutronNetworks.create_and_list_routers
+-------------------------------------------------------------------------------------------------------------
|                                      Response Times (sec)
+------------------------------+-------+--------+--------+--------+-------+-------+---------+--------
| action                       | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+------------------------------+-------+--------+--------+--------+-------+-------+---------+--------
| neutron.create_subnet        | 0.389 | 0.492  | 0.542  | 0.564  | 0.587 | 0.479 | 100.0%  | 10
| neutron.create_router        | 0.034 | 0.165  | 0.179  | 0.18   | 0.181 | 0.118 | 100.0%  | 10
| neutron.add_interface_router | 0.273 | 0.398  | 0.459  | 0.475  | 0.492 | 0.378 | 100.0%  | 10
| neutron.list_routers         | 0.042 | 0.111  | 0.208  | 0.214  | 0.219 | 0.12  | 100.0%  | 10
| total                        | 0.873 | 1.083  | 1.266  | 1.32   | 1.373 | 1.095 | 100.0%  | 10
+------------------------------+-------+--------+--------+--------+-------+-------+---------+--------
Load duration: 3.14495706558
Full duration: 27.2623529434
```

test scenario NeutronNetworks.create_and_delete_routers

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.421	0.528	0.576	0.593	0.609	0.516	100.0%	10
neutron.create_router	0.037	0.174	0.193	0.194	0.196	0.138	100.0%	10
neutron.add_interface_router	0.372	0.44	0.726	0.729	0.732	0.499	100.0%	10
neutron.remove_interface_router	0.231	0.385	0.445	0.495	0.545	0.365	100.0%	10
neutron.delete_router	0.155	0.243	0.363	0.374	0.385	0.257	100.0%	10
total	1.492	1.722	2.126	2.135	2.145	1.776	100.0%	10

Load duration: 5.06723308563
Full duration: 27.7173280716

test scenario NeutronNetworks.create_and_list_ports

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_port	0.429	0.479	0.682	0.709	0.736	0.518	100.0%	10
neutron.list_ports	0.101	0.302	0.368	0.377	0.386	0.267	100.0%	10
total	0.565	0.819	0.9	0.971	1.042	0.785	100.0%	10

Load duration: 2.22692918777
Full duration: 25.9097590446

test scenario NeutronNetworks.create_and_delete_subnets

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.383	0.414	0.558	0.562	0.565	0.439	100.0%	10
neutron.delete_subnet	0.134	0.271	0.307	0.34	0.372	0.235	100.0%	10
total	0.522	0.677	0.872	0.901	0.93	0.674	100.0%	10

Load duration: 1.97971510887
Full duration: 24.8733260632

test scenario NeutronNetworks.create_and_delete_networks

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_network	0.3	0.32	0.403	0.407	0.411	0.338	100.0%	10
neutron.delete_network	0.107	0.248	0.316	0.32	0.325	0.228	100.0%	10
total	0.411	0.556	0.697	0.698	0.699	0.566	100.0%	10

Load duration: 1.71673607826
Full duration: 13.4693968296

test scenario NeutronNetworks.create_and_list_networks

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_network	0.279	0.326	0.389	0.406	0.423	0.334	100.0%	10
neutron.list_networks	0.043	0.11	0.18	0.187	0.194	0.112	100.0%	10
total	0.328	0.437	0.564	0.59	0.617	0.446	100.0%	10

Load duration: 1.4160130024
Full duration: 15.1821639538

test scenario NeutronNetworks.create_and_update_routers

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.401	0.436	0.454	0.473	0.492	0.433	100.0%	10
neutron.create_router	0.035	0.175	0.181	0.186	0.191	0.123	100.0%	10
neutron.add_interface_router	0.293	0.416	0.46	0.461	0.461	0.401	100.0%	10
neutron.update_router	0.131	0.215	0.311	0.331	0.35	0.219	100.0%	10
total	1.012	1.171	1.336	1.359	1.381	1.176	100.0%	10

Load duration: 3.52523398399
Full duration: 28.7934508324

test scenario NeutronNetworks.create_and_update_networks

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_network	0.299	0.338	0.397	0.408	0.418	0.346	100.0%	10
neutron.update_network	0.095	0.24	0.297	0.299	0.302	0.202	100.0%	10
total	0.41	0.543	0.699	0.707	0.714	0.549	100.0%	10

Load duration: 1.61482715607
Full duration: 15.459831953

test scenario NeutronNetworks.create_and_update_ports

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_port	0.436	0.465	0.588	0.595	0.601	0.487	100.0%	10
neutron.update_port	0.114	0.282	0.317	0.326	0.335	0.255	100.0%	10
total	0.576	0.751	0.862	0.899	0.936	0.742	100.0%	10

Load duration: 2.15260481834
Full duration: 25.8613479137

test scenario NeutronNetworks.create_and_list_subnets

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.4	0.495	0.538	0.551	0.564	0.483	100.0%	10

```
| neutron.list_subnets  | 0.065 | 0.217  | 0.28   | 0.319  | 0.357 | 0.22  | 100.0%  | 10    |
| total                 | 0.563 | 0.718  | 0.793  | 0.798  | 0.802 | 0.703 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.06506896019
Full duration: 25.971654892

test scenario NeutronNetworks.create_and_update_subnets
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet | 0.398 | 0.465  | 0.543  | 0.564  | 0.584 | 0.475 | 100.0%  | 10    |
| neutron.update_subnet | 0.152 | 0.178  | 0.348  | 0.366  | 0.383 | 0.234 | 100.0%  | 10    |
| total                 | 0.557 | 0.693  | 0.85   | 0.867  | 0.883 | 0.709 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.06711506844
Full duration: 25.9731898308

run_rally - INFO - Test scenario: "neutron" OK.
run_rally - INFO - Starting test scenario "nova" ...
run_rally - INFO -
 Preparing input task
 Task  84ecab73-326c-41f9-9d80-ffb7b41c7f0d: started
Task 84ecab73-326c-41f9-9d80-ffb7b41c7f0d: finished

test scenario NovaKeypair.create_and_delete_keypair
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.create_keypair | 0.374 | 0.484  | 0.667  | 0.672  | 0.678 | 0.503 | 100.0%  | 10    |
| nova.delete_keypair | 0.016 | 0.021  | 0.025  | 0.027  | 0.028 | 0.021 | 100.0%  | 10    |
| total               | 0.399 | 0.51   | 0.687  | 0.692  | 0.698 | 0.524 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.59278798103
Full duration: 15.4121351242

test scenario NovaServers.snapshot_server
+-----------------------------------------------------------------------------------------------------+
|                                       Response Times (sec)                                          |
+-----------------------+--------+--------+---------+---------+--------+--------+---------+-------+
| action                | min    | median | 90%ile  | 95%ile  | max    | avg    | success | count |
+-----------------------+--------+--------+---------+---------+--------+--------+---------+-------+
| nova.boot_server      | 9.938  | 10.314 | 11.977  | 12.384  | 12.791 | 10.711 | 100.0%  | 10    |
| nova.create_image     | 33.802 | 39.898 | 69.264  | 70.135  | 71.005 | 45.583 | 100.0%  | 10    |
| nova.delete_server    | 2.408  | 2.848  | 3.266   | 4.121   | 4.975  | 2.967  | 100.0%  | 10    |
| nova.boot_server (2)  | 19.438 | 33.013 | 43.809  | 46.043  | 48.276 | 33.839 | 100.0%  | 10    |
| nova.delete_server (2)| 2.395  | 2.453  | 4.821   | 4.891   | 4.961  | 3.009  | 100.0%  | 10    |
| nova.delete_image     | 0.264  | 0.373  | 0.749   | 1.036   | 1.323  | 0.484  | 100.0%  | 10    |
| total                 | 70.267 | 96.724 | 117.768 | 118.599 | 119.43 | 96.593 | 100.0%  | 10    |
+-----------------------+--------+--------+---------+---------+--------+--------+---------+-------+
Load duration: 280.300797939
Full duration: 304.846863985

test scenario NovaKeypair.boot_and_delete_server_with_keypair
+-------------------------------------------------------------------------------------------+
```

```
|                                   Response Times (sec)                                    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.create_keypair | 0.406  | 0.458  | 0.533  | 0.575  | 0.616  | 0.474  | 100.0%  | 10    |
| nova.boot_server    | 8.324  | 10.158 | 11.335 | 11.766 | 12.197 | 10.115 | 100.0%  | 10    |
| nova.delete_server  | 2.382  | 2.425  | 2.618  | 2.621  | 2.625  | 2.456  | 100.0%  | 10    |
| nova.delete_keypair | 0.014  | 0.019  | 0.028  | 0.029  | 0.029  | 0.02   | 100.0%  | 10    |
| total               | 11.352 | 13.038 | 14.228 | 14.667 | 15.107 | 13.066 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 39.3250300884
Full duration: 62.0274989605

test scenario NovaKeypair.create_and_list_keypairs
+---------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.create_keypair | 0.389 | 0.483  | 0.646  | 0.673  | 0.701 | 0.503 | 100.0%  | 10    |
| nova.list_keypairs  | 0.013 | 0.018  | 0.021  | 0.024  | 0.027 | 0.018 | 100.0%  | 10    |
| total               | 0.405 | 0.504  | 0.659  | 0.688  | 0.716 | 0.521 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.55672502518
Full duration: 16.8414058685

test scenario NovaServers.list_servers
+-------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.list_servers | 0.604 | 0.661  | 0.751  | 0.753  | 0.755 | 0.667 | 100.0%  | 10    |
| total             | 0.604 | 0.661  | 0.751  | 0.753  | 0.755 | 0.667 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.98178386688
Full duration: 66.4639019966

test scenario NovaServers.resize_server
+---------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server    | 8.516  | 10.952 | 12.492 | 12.717 | 12.943 | 11.085 | 100.0%  | 10    |
| nova.resize         | 21.055 | 26.446 | 42.177 | 42.263 | 42.349 | 29.612 | 100.0%  | 10    |
| nova.resize_confirm | 2.392  | 2.451  | 2.573  | 2.592  | 2.611  | 2.47   | 100.0%  | 10    |
| nova.delete_server  | 2.375  | 2.427  | 2.595  | 2.673  | 2.751  | 2.475  | 100.0%  | 10    |
| total               | 34.884 | 42.48  | 59.742 | 59.88  | 60.019 | 45.642 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 133.771182775
Full duration: 147.319270134

test scenario NovaServers.boot_server_from_volume_and_delete
+---------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
```

cinder.create_volume	3.421	5.82	6.128	6.151	6.173	5.197	100.0%	10
nova.boot_server	13.462	15.116	17.314	17.513	17.711	15.217	100.0%	10
nova.delete_server	4.532	4.689	6.776	6.8	6.823	5.275	100.0%	10
total	21.563	26.332	28.183	28.315	28.446	25.689	100.0%	10

Load duration: 76.1264929771
Full duration: 105.501106024

test scenario NovaServers.boot_and_migrate_server

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	8.668	10.279	12.669	12.746	12.824	10.808	100.0%	10
nova.stop_server	4.695	14.48	15.73	15.737	15.745	11.929	100.0%	10
nova.migrate	16.259	18.003	25.275	25.347	25.419	19.085	100.0%	10
nova.resize_confirm	2.394	2.416	2.564	2.604	2.644	2.46	100.0%	10
nova.delete_server	2.383	2.408	2.55	2.58	2.61	2.448	100.0%	10
total	35.744	47.034	56.397	57.427	58.457	46.73	100.0%	10

Load duration: 131.940564156
Full duration: 145.82509613

test scenario NovaServers.boot_and_delete_server

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	8.359	10.277	11.312	11.367	11.422	10.063	100.0%	10
nova.delete_server	2.388	2.607	4.826	4.853	4.881	3.21	100.0%	10
total	11.023	12.798	15.929	16.116	16.303	13.273	100.0%	10

Load duration: 39.1904668808
Full duration: 62.8628950119

test scenario NovaServers.boot_and_rebuild_server

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	8.636	9.789	12.354	12.414	12.474	10.12	100.0%	10
nova.rebuild_server	11.032	13.82	21.821	22.321	22.821	16.342	100.0%	10
nova.delete_server	2.382	2.461	2.664	2.759	2.854	2.524	100.0%	10
total	24.342	28.632	33.812	34.242	34.671	28.986	100.0%	10

Load duration: 82.0937809944
Full duration: 105.129650116

test scenario NovaSecGroup.create_and_list_secgroups

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	co

```
| nova.create_10_security_groups | 1.596  | 2.105  | 2.35   | 2.351  | 2.352  | 2.061  | 100.0%  | 10
| nova.create_100_rules          | 8.873  | 10.349 | 10.555 | 10.65  | 10.745 | 10.067 | 100.0%  | 10
| nova.list_security_groups      | 0.129  | 0.183  | 0.281  | 0.318  | 0.354  | 0.201  | 100.0%  | 10
| total                          | 11.189 | 12.51  | 12.822 | 12.823 | 12.823 | 12.329 | 100.0%  | 10
+--------------------------------+--------+--------+--------+--------+--------+--------+---------+---
Load duration: 36.4927339554
Full duration: 63.6400220394

test scenario NovaSecGroup.create_and_delete_secgroups
+-----------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+--------+--------+---------+----
| action                         | min   | median | 90%ile | 95%ile | max    | avg    | success | cou
+--------------------------------+-------+--------+--------+--------+--------+--------+---------+----
| nova.create_10_security_groups | 1.326 | 1.779  | 1.959  | 1.983  | 2.006  | 1.748  | 100.0%  | 10
| nova.create_100_rules          | 9.29  | 10.389 | 10.656 | 10.731 | 10.805 | 10.241 | 100.0%  | 10
| nova.delete_10_security_groups | 0.833 | 0.896  | 1.02   | 1.03   | 1.04   | 0.918  | 100.0%  | 10
| total                          | 11.55 | 13.143 | 13.488 | 13.549 | 13.611 | 12.907 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+--------+--------+---------+----
Load duration: 38.0758161545
Full duration: 52.9351670742

test scenario NovaServers.boot_and_bounce_server
+-----------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+-------------------------+--------+--------+---------+---------+---------+--------+---------+------
| action                  | min    | median | 90%ile  | 95%ile  | max     | avg    | success | count
+-------------------------+--------+--------+---------+---------+---------+--------+---------+------
| nova.boot_server        | 8.49   | 12.054 | 12.335  | 12.336  | 12.338  | 11.077 | 100.0%  | 10
| nova.reboot_server      | 4.412  | 4.746  | 6.676   | 6.794   | 6.912   | 5.252  | 100.0%  | 10
| nova.soft_reboot_server | 6.592  | 7.729  | 125.626 | 125.9   | 126.174 | 31.142 | 100.0%  | 10
| nova.stop_server        | 4.709  | 4.817  | 4.999   | 5.006   | 5.013   | 4.835  | 100.0%  | 10
| nova.start_server       | 2.636  | 3.348  | 4.108   | 4.153   | 4.198   | 3.361  | 100.0%  | 10
| nova.rescue_server      | 6.613  | 6.787  | 17.596  | 17.726  | 17.855  | 11.037 | 100.0%  | 10
| nova.unrescue_server    | 2.324  | 4.485  | 6.647   | 6.653   | 6.659   | 4.948  | 100.0%  | 10
| nova.delete_server      | 2.375  | 2.416  | 4.666   | 4.731   | 4.797   | 3.1    | 100.0%  | 10
| total                   | 39.617 | 54.891 | 166.239 | 170.845 | 175.451 | 74.764 | 100.0%  | 10
+-------------------------+--------+--------+---------+---------+---------+--------+---------+------
Load duration: 241.107405901
Full duration: 264.433083773

test scenario NovaServers.boot_server
+-----------------------------------------------------------------------------------+
|                                Response Times (sec)                               |
+-----------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action          | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+-----------------+-------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server | 9.537 | 9.723  | 12.302 | 12.597 | 12.891 | 10.539 | 100.0%  | 10    |
| total           | 9.537 | 9.723  | 12.302 | 12.597 | 12.891 | 10.539 | 100.0%  | 10    |
+-----------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 31.5377810001
Full duration: 56.3936619759

test scenario NovaSecGroup.boot_and_delete_server_with_secgroups
+-----------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+--------+----------
| action                         | min   | median | 90%ile | 95%ile | max   | avg    | success
```

```
+-----------------------------------+--------+--------+--------+--------+--------+--------+---------
| nova.create_10_security_groups    | 1.677  | 1.957  | 2.26   | 2.317  | 2.373  | 1.975  | 100.0%
| nova.create_100_rules             | 9.032  | 10.031 | 10.512 | 10.585 | 10.658 | 9.992  | 100.0%
| nova.boot_server                  | 8.152  | 11.436 | 11.645 | 11.66  | 11.675 | 10.446 | 100.0%
| nova.get_attached_security_groups | 0.145  | 0.154  | 0.17   | 0.185  | 0.2    | 0.158  | 100.0%
| nova.delete_server                | 2.412  | 4.581  | 4.637  | 4.667  | 4.696  | 3.741  | 100.0%
| nova.delete_10_security_groups    | 0.791  | 0.902  | 0.983  | 0.993  | 1.003  | 0.901  | 100.0%
| total                             | 22.687 | 29.402 | 29.574 | 29.639 | 29.704 | 27.213 | 100.0%
+-----------------------------------+--------+--------+--------+--------+--------+--------+---------
Load duration: 81.6792809963
Full duration: 106.045881033

test scenario NovaServers.pause_and_unpause_server
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server   | 9.557  | 11.959 | 12.616 | 12.617 | 12.618 | 11.399 | 100.0%  | 10    |
| nova.pause_server  | 2.3    | 2.488  | 2.647  | 2.73   | 2.813  | 2.485  | 100.0%  | 10    |
| nova.unpause_server| 2.313  | 2.338  | 2.459  | 2.519  | 2.579  | 2.376  | 100.0%  | 10    |
| nova.delete_server | 2.379  | 4.554  | 4.593  | 4.6    | 4.608  | 3.72   | 100.0%  | 10    |
| total              | 16.731 | 21.47  | 21.938 | 22.069 | 22.201 | 19.98  | 100.0%  | 10    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 60.1143479347
Full duration: 84.1553788185

test scenario NovaServers.boot_server_from_volume
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume| 3.296 | 3.584  | 6.23   | 6.254  | 6.278  | 4.296  | 100.0%  | 10    |
| nova.boot_server   | 13.316 | 14.103 | 15.99  | 16.029 | 16.068 | 14.371 | 100.0%  | 10    |
| total              | 16.8   | 18.338 | 20.779 | 21.536 | 22.293 | 18.667 | 100.0%  | 10    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 55.7340800762
Full duration: 89.9920220375

test scenario NovaServers.boot_and_list_server
+-----------------------------------------------------------------------------------+
|                                Response Times (sec)                               |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server  | 8.714 | 10.615 | 12.468 | 12.501 | 12.535 | 10.613 | 100.0%  | 10    |
| nova.list_servers | 0.14  | 0.241  | 0.434  | 0.454  | 0.474  | 0.274  | 100.0%  | 10    |
| total             | 8.854 | 10.943 | 12.715 | 12.756 | 12.798 | 10.887 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 30.5609071255
Full duration: 64.9602191448

run_rally - INFO - Test scenario: "nova" OK.

run_rally - INFO - Starting test scenario "quotas" ...
run_rally - INFO -
 Preparing input task
```

```
 Task  98d9ffba-dd50-429a-ab90-4549e00b19cf: started
Task 98d9ffba-dd50-429a-ab90-4549e00b19cf: finished

test scenario Quotas.cinder_update
+----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                  |
+----------------------+------+--------+--------+--------+-------+-------+---------+-------+
| action               | min  | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.58 | 0.646  | 0.661  | 0.671  | 0.682 | 0.636 | 100.0%  | 10    |
| total                | 0.58 | 0.646  | 0.661  | 0.671  | 0.682 | 0.636 | 100.0%  | 10    |
+----------------------+------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.98423290253
Full duration: 7.3744559288

test scenario Quotas.neutron_update
+----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                  |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.232 | 0.251  | 0.276  | 0.281  | 0.286 | 0.254 | 100.0%  | 10    |
| total                | 0.295 | 0.324  | 0.348  | 0.352  | 0.355 | 0.325 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.987355947495
Full duration: 6.55621004105

test scenario Quotas.cinder_update_and_delete
+----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                  |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.609 | 0.648  | 0.736  | 0.755  | 0.775 | 0.663 | 100.0%  | 10    |
| quotas.delete_quotas | 0.267 | 0.474  | 0.498  | 0.518  | 0.539 | 0.454 | 100.0%  | 10    |
| total                | 0.95  | 1.099  | 1.254  | 1.262  | 1.271 | 1.117 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.2654209137
Full duration: 8.84793901443

test scenario Quotas.nova_update_and_delete
+----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                  |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.319 | 0.353  | 0.393  | 0.4    | 0.408 | 0.358 | 100.0%  | 8     |
| quotas.delete_quotas | 0.015 | 0.025  | 0.031  | 0.032  | 0.033 | 0.025 | 75.0%   | 8     |
| total                | 0.351 | 0.366  | 0.405  | 0.416  | 0.428 | 0.374 | 75.0%   | 8     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.80732011795
Full duration: 6.24122095108

test scenario Quotas.nova_update
+----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                  |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
```

```
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.346 | 0.366  | 0.413  | 0.414  | 0.416 | 0.373 | 100.0%  | 10    |
| total                | 0.346 | 0.366  | 0.413  | 0.414  | 0.416 | 0.373 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.10930514336
Full duration: 6.21793103218

run_rally - INFO - Test scenario: "quotas" Failed.
run_rally - INFO - Starting test scenario "requests" ...
run_rally - INFO -
 Preparing input task
 Task  712d1722-52e2-4e3a-93dc-515e3fea5977: started
Task 712d1722-52e2-4e3a-93dc-515e3fea5977: finished

test scenario HttpRequests.check_random_request
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+-----------------------+-------+--------+--------+--------+-------+------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg  | success | count |
+-----------------------+-------+--------+--------+--------+-------+------+---------+-------+
| requests.check_request | 5.462 | 5.488  | 5.976  | 5.991  | 6.006 | 5.59 | 100.0%  | 10    |
| total                 | 5.462 | 5.488  | 5.976  | 5.991  | 6.006 | 5.59 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+------+---------+-------+
Load duration: 16.976375103
Full duration: 19.3119690418

test scenario HttpRequests.check_request
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| requests.check_request | 5.466 | 5.48   | 5.487  | 5.491  | 5.496 | 5.479 | 100.0%  | 10    |
| total                 | 5.466 | 5.48   | 5.487  | 5.491  | 5.496 | 5.479 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 16.4575350285
Full duration: 18.7219369411

run_rally - INFO - Test scenario: "requests" OK.
run_rally - INFO -

                     Rally Summary Report
+===================+============+===============+===========+
| Module            | Duration   | nb. Test Run  | Success   |
+===================+============+===============+===========+
| authenticate      | 00:17      | 10            | 100.00%   |
+-------------------+------------+---------------+-----------+
| glance            | 01:45      | 7             | 100.00%   |
+-------------------+------------+---------------+-----------+
| cinder            | 17:38      | 50            | 100.00%   |
+-------------------+------------+---------------+-----------+
| heat              | 06:53      | 32            | 92.31%    |
+-------------------+------------+---------------+-----------+
| keystone          | 01:07      | 29            | 100.00%   |
+-------------------+------------+---------------+-----------+
| neutron           | 04:41      | 31            | 100.00%   |
+-------------------+------------+---------------+-----------+
| nova              | 30:14      | 61            | 100.00%   |
```

```
+------------------+------------+---------------+-----------+
| quotas           | 00:35      | 7             | 95.00%    |
+------------------+------------+---------------+-----------+
| requests         | 00:38      | 2             | 100.00%   |
+------------------+------------+---------------+-----------+
+==================+============+===============+===========+
| TOTAL:           | 01:03:52   | 229           | 98.59%    |
+==================+============+===============+===========+
```

3.3 Feature tests

3.3.1 vIMS

```
FUNCTEST.info: Running vIMS test...
vIMS - INFO - Prepare OpenStack plateform (create tenant and user)
vIMS - INFO - Update OpenStack creds informations
vIMS - INFO - Upload some OS images if it doesn't exist
vIMS - INFO - centos_7 image doesn't exist on glance repository.
                          Try downloading this image and upload on glance !
vIMS - INFO - ubuntu_14.04 image doesn't exist on glance repository.
                          Try downloading this image and upload on glance !
vIMS - INFO - Update security group quota for this tenant
vIMS - INFO - Update cinder quota for this tenant
vIMS - INFO - Collect flavor id for cloudify manager server
vIMS - INFO - Prepare virtualenv for cloudify-cli
vIMS - INFO - Downloading the cloudify manager server blueprint
vIMS - INFO - Cloudify deployment Start Time:'2016-02-23 04:47:07'
vIMS - INFO - Writing the inputs file
vIMS - INFO - Launching the cloudify-manager deployment
vIMS - INFO - Cloudify-manager server is UP !
vIMS - INFO - Cloudify deployment duration:'432.5'
vIMS - INFO - Collect flavor id for all clearwater vm
vIMS - INFO - vIMS VNF deployment Start Time:'2016-02-23 04:54:20'
vIMS - INFO - Downloading the openstack-blueprint.yaml blueprint
vIMS - INFO - Writing the inputs file
vIMS - INFO - Launching the clearwater deployment
vIMS - INFO - The deployment of clearwater-opnfv is ended
vIMS - INFO - vIMS VNF deployment duration:'616.2'
vIMS - INFO - vIMS functional test Start Time:'2016-02-23 05:07:44'
vIMS - INFO - vIMS functional test duration:'3.5'
vIMS - INFO - Launching the clearwater-opnfv undeployment
vIMS - ERROR - Error when executing command /bin/bash -c 'source /home/opnfv/functest/data/vIMS/venv_
vIMS - INFO - Launching the cloudify-manager undeployment
vIMS - INFO - Cloudify-manager server has been successfully removed!
vIMS - INFO - Removing vIMS tenant ..
vIMS - INFO - Removing vIMS user ..
```

3.4 Detailed test results for apex-os-odl_l2-nofeature-ha

3.5 VIM

3.5.1 vping_ssh

```
FUNCTEST.info: Running vPing-SSH test...
vPing_ssh- INFO - Creating image 'functest-vping' from '/home/opnfv/functest/data/cirros-0.3.4-x86_64
vPing_ssh- INFO - Creating neutron network vping-net...
vPing_ssh- INFO - Creating security group  'vPing-sg'...
vPing_ssh- INFO - Using existing Flavor 'm1.small'...
vPing_ssh- INFO - vPing Start Time:'2016-02-22 22:26:26'
vPing_ssh- INFO - Creating instance 'opnfv-vping-1'...
 name=opnfv-vping-1
 flavor=<Flavor: m1.small>
 image=8588bf92-664e-46f0-ad4f-40347349b4db
 network=1e07302c-1060-4862-ac96-81db4c46b173

vPing_ssh- INFO - Instance 'opnfv-vping-1' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-1' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating instance 'opnfv-vping-2'...
 name=opnfv-vping-2
 flavor=<Flavor: m1.small>
 image=8588bf92-664e-46f0-ad4f-40347349b4db
 network=1e07302c-1060-4862-ac96-81db4c46b173

vPing_ssh- INFO - Instance 'opnfv-vping-2' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-2' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating floating IP for VM 'opnfv-vping-2'...
vPing_ssh- INFO - Floating IP created: '192.168.10.101'
vPing_ssh- INFO - Associating floating ip: '192.168.10.101' to VM 'opnfv-vping-2'
vPing_ssh- INFO - Trying to establish SSH connection to 192.168.10.101...
vPing_ssh- INFO - Waiting for ping...
vPing_ssh- INFO - vPing detected!
vPing_ssh- INFO - vPing duration:'26.0' s.
vPing_ssh- INFO - Cleaning up...
vPing_ssh- INFO - vPing OK
```

3.5.2 vping_userdata

```
FUNCTEST.info: Running vPing-userdata test...
vPing_userdata- INFO - Creating image 'functest-vping' from '/home/opnfv/functest/data/cirros-0.3.4-x
vPing_userdata- INFO - Creating neutron network vping-net...
vPing_userdata- INFO - Creating security group  'vPing-sg'...
vPing_userdata- INFO - Flavor found 'm1.small'
vPing_userdata- INFO - vPing Start Time:'2016-02-22 22:27:09'
vPing_userdata- INFO - Creating instance 'opnfv-vping-1'...
 name=opnfv-vping-1
 flavor=<Flavor: m1.small>
 image=4e085313-471b-4846-96f8-d89c5fcdb453
 network=f1c6e324-f469-4d43-a53e-3716a2075556

vPing_userdata- INFO - Instance 'opnfv-vping-1' is ACTIVE.
vPing_userdata- INFO - Creating instance 'opnfv-vping-2'...
```

```
 name=opnfv-vping-2
 flavor=<Flavor: m1.small>
 image=4e085313-471b-4846-96f8-d89c5fcdb453
 network=f1c6e324-f469-4d43-a53e-3716a2075556
 userdata=
#!/bin/sh

while true; do
 ping -c 1 192.168.130.3 2>&1 >/dev/null
 RES=$?
 if [ "Z$RES" = "Z0" ] ; then
  echo 'vPing OK'
 break
 else
  echo 'vPing KO'
 fi
 sleep 1
done

vPing_userdata- INFO - Instance 'opnfv-vping-2' is ACTIVE.
vPing_userdata- INFO - Waiting for ping...
vPing_userdata- INFO - vPing detected!
vPing_userdata- INFO - vPing duration:'13.7'
vPing_userdata- INFO - vPing OK
vPing_userdata- INFO - Cleaning up...
vPing_userdata- INFO - Deleting network 'vping-net'...
```

3.5.3 Tempest

```
FUNCTEST.info: Running Tempest tests...
run_tempest - INFO - Creating tenant and user for Tempest suite
INFO rally.verification.tempest.tempest [-] Starting: Creating configuration file for Tempest.
INFO rally.verification.tempest.tempest [-] Completed: Creating configuration file for Tempest.
run_tempest - INFO - Starting Tempest test suite: '--tests-file /home/opnfv/repos/functest/testcases/
Total results of verification:

+--------------------------------------+--------------------------------------+----------+-------+---
| UUID                                 | Deployment UUID                      | Set name | Tests | Fa
+--------------------------------------+--------------------------------------+----------+-------+---
| 3275e5cd-a0cd-4961-95c8-11c5eceaa6a6 | 94d6d0c4-f111-4f1a-a9ee-dee149fe7ce1 |          | 210   | 1
+--------------------------------------+--------------------------------------+----------+-------+---

Tests:

+-------------------------------------------------------------------------------------------------------
| name
+-------------------------------------------------------------------------------------------------------
| tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_get_flavor
| tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_list_flavors
| tempest.api.compute.images.test_images.ImagesTestJSON.test_delete_saving_image
| tempest.api.compute.images.test_images_oneserver.ImagesOneServerTestJSON.test_create_delete_image
| tempest.api.compute.images.test_images_oneserver.ImagesOneServerTestJSON.test_create_image_specify_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
```

| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_limit_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_get_image
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_list_images
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_list_images_with_detail
| tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_secur
| tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_secur
| tempest.api.compute.security_groups.test_security_groups.SecurityGroupsTestJSON.test_security_group
| tempest.api.compute.servers.test_attach_interfaces.AttachInterfacesTestJSON.test_add_remove_fixed_
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_host_name_is_same_as_server_nar
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_created_server_vcpus
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_server_details
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_host_name_is_same_as_serv
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_created_server_vcp
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_server_details
| tempest.api.compute.servers.test_instance_actions.InstanceActionsTestJSON.test_get_instance_action
| tempest.api.compute.servers.test_instance_actions.InstanceActionsTestJSON.test_list_instance_actior
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_change_server_password
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_get_console_output
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_lock_unlock_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_hard
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_soft

```
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_rebuild_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_resize_server_confirm
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_resize_server_revert
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_stop_start_server
| tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresse
| tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresse
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_delete_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_get_server_metadata_it
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_list_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_set_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_set_server_metadata_it
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_update_server_metadata
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_server_with_admin_password
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_specify_keypair
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_with_existing_server_name
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_access_server_address
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_server_name
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_numeric_serve
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_server_metada
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_server_name_l
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_a_server_of_a
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_server_pass_i
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_server_pass_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_get_non_existent_ser
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_invalid_ip_v6_addres
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_reboot_non_existent_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_rebuild_non_existent
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_resize_server_with_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_resize_server_with_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_server_name_blank
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_stop_non_existent_se
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_name_of_non_e
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_name_l
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_of_and
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_set_em
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_keypair_in_analt_user_tena
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_server_fails_when_tenant_i
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_server_with_unauthorized_i
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_get_keypair_of_alt_account_fails
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_get_metadata_of_alt_account_serve
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_set_metadata_of_alt_account_serve
| tempest.api.compute.test_quotas.QuotasTestJSON.test_get_default_quotas
| tempest.api.compute.test_quotas.QuotasTestJSON.test_get_quotas
| tempest.api.compute.volumes.test_attach_volume.AttachVolumeTestJSON.test_attach_detach_volume
| tempest.api.compute.volumes.test_volumes_list.VolumesTestJSON.test_volume_list
| tempest.api.compute.volumes.test_volumes_list.VolumesTestJSON.test_volume_list_with_details
| tempest.api.compute.volumes.test_volumes_negative.VolumesNegativeTest.test_get_invalid_volume_id
| tempest.api.compute.volumes.test_volumes_negative.VolumesNegativeTest.test_get_volume_without_passi
| tempest.api.identity.admin.v2.test_services.ServicesTestJSON.test_list_services
| tempest.api.identity.admin.v2.test_users.UsersTestJSON.test_create_user
| tempest.api.identity.admin.v3.test_credentials.CredentialsTestJSON.test_credentials_create_get_upda
| tempest.api.identity.admin.v3.test_domains.DefaultDomainTestJSON.test_default_domain_exists
| tempest.api.identity.admin.v3.test_domains.DomainsTestJSON.test_create_update_delete_domain
| tempest.api.identity.admin.v3.test_endpoints.EndPointsTestJSON.test_update_endpoint
| tempest.api.identity.admin.v3.test_groups.GroupsV3TestJSON.test_group_users_add_list_delete
```

| tempest.api.identity.admin.v3.test_policies.PoliciesTestJSON.test_create_update_delete_policy
| tempest.api.identity.admin.v3.test_regions.RegionsTestJSON.test_create_region_with_specific_id
| tempest.api.identity.admin.v3.test_roles.RolesV3TestJSON.test_role_create_update_get_list
| tempest.api.identity.admin.v3.test_services.ServicesTestJSON.test_create_update_get_service
| tempest.api.identity.admin.v3.test_trusts.TrustsV3TestJSON.test_get_trusts_all
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.image.v1.test_images.ListImagesTest.test_index_no_params
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_delete_image
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_register_upload_get_image_file
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_update_image
| tempest.api.network.test_extensions.ExtensionsTestJSON.test_list_show_extensions
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_floating_ip_specifying_a_fixe
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_list_show_update_delete_floati
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_port
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_port
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_subnets
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_subnet
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_list_subnets
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_show_subnet
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_port_in_allowed_allocation_pools
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_port_with_no_securitygroups
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_update_delete_port
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_list_ports
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_show_port
| tempest.api.network.test_ports.PortsTestJSON.test_create_port_in_allowed_allocation_pools
| tempest.api.network.test_ports.PortsTestJSON.test_create_port_with_no_securitygroups
| tempest.api.network.test_ports.PortsTestJSON.test_create_update_delete_port
| tempest.api.network.test_ports.PortsTestJSON.test_list_ports
| tempest.api.network.test_ports.PortsTestJSON.test_show_port
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_multiple_router_interfaces
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_remove_router_interface_with_port_id
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_remove_router_interface_with_subnet_id
| tempest.api.network.test_routers.RoutersIpV6Test.test_create_show_list_update_delete_router
| tempest.api.network.test_routers.RoutersTest.test_add_multiple_router_interfaces
| tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_port_id
| tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_subnet_id
| tempest.api.network.test_routers.RoutersTest.test_create_show_list_update_delete_router
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_list_update_show_delete_secu
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_show_delete_security_group_r
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_list_security_groups
| tempest.api.network.test_security_groups.SecGroupTest.test_create_list_update_show_delete_security_

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| tempest.api.network.test_security_groups.SecGroupTest.test_create_show_delete_security_group_rule
| tempest.api.network.test_security_groups.SecGroupTest.test_list_security_groups
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_list
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_show
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_template
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_list
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_metadata
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_software_config
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_create_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_crud_no_resources
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_list_responds
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_
| tempest.api.volume.test_volumes_actions.VolumesV1ActionsTest.test_attach_detach_volume_to_instance
| tempest.api.volume.test_volumes_actions.VolumesV2ActionsTest.test_attach_detach_volume_to_instance
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_list.VolumesV1ListTestJSON.test_volume_list
| tempest.api.volume.test_volumes_list.VolumesV2ListTestJSON.test_volume_list
| tempest.scenario.test_network_basic_ops.TestNetworkBasicOps.test_network_basic_ops
| tempest.scenario.test_server_basic_ops.TestServerBasicOps.test_server_basicops
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPattern.test_volume_boot_pattern
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPatternV2.test_volume_boot_pattern
+-------------------------------------------------------------------------------------------------------
run_tempest - INFO - Results: {'timestart': '2016-02-2222:27:42.722872', 'duration': 171, 'tests': 21
run_tempest - INFO - Pushing results to DB: 'http://testresults.opnfv.org/testapi/results'.
run_tempest - INFO - Deleting tenant and user for Tempest suite)
```

3.5.4 Rally

```
FUNCTEST.info: Running Rally benchmark suite...
run_rally - INFO - Starting test scenario "authenticate" ...
run_rally - INFO -
 Preparing input task
 Task  8ccbcb5f-32ba-4621-be0d-09b54fb1c9ea: started
Task 8ccbcb5f-32ba-4621-be0d-09b54fb1c9ea: finished

test scenario Authenticate.validate_glance
+-------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                          | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_glance    | 0.112 | 0.132  | 0.201  | 0.201  | 0.201 | 0.143 | 100.0%  | 10
| authenticate.validate_glance (2)| 0.039 | 0.046  | 0.107  | 0.111  | 0.115 | 0.063 | 100.0%  | 10
| total                           | 0.226 | 0.257  | 0.386  | 0.389  | 0.391 | 0.286 | 100.0%  | 10
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 0.860725164413
Full duration: 3.2147500515

test scenario Authenticate.keystone
+-------------------------------------------------------------------------+
```

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
total	0.065	0.07	0.085	0.106	0.127	0.076	100.0%	10

Load duration: 0.236154079437
Full duration: 2.56328606606

test scenario Authenticate.validate_heat

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
authenticate.validate_heat	0.106	0.121	0.259	0.268	0.277	0.148	100.0%	10
authenticate.validate_heat (2)	0.022	0.028	0.122	0.18	0.237	0.065	100.0%	10
total	0.212	0.25	0.426	0.429	0.431	0.294	100.0%	10

Load duration: 0.876858949661
Full duration: 3.099599123

test scenario Authenticate.validate_nova

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
authenticate.validate_nova	0.108	0.125	0.144	0.144	0.144	0.126	100.0%	10
authenticate.validate_nova (2)	0.025	0.034	0.039	0.04	0.04	0.034	100.0%	10
total	0.214	0.242	0.258	0.263	0.268	0.239	100.0%	10

Load duration: 0.719485044479
Full duration: 2.89414715767

test scenario Authenticate.validate_cinder

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	cou
authenticate.validate_cinder	0.102	0.111	0.167	0.177	0.188	0.124	100.0%	10
authenticate.validate_cinder (2)	0.014	0.075	0.098	0.147	0.195	0.07	100.0%	10
total	0.197	0.261	0.37	0.39	0.41	0.281	100.0%	10

Load duration: 0.842756032944
Full duration: 3.36014580727

test scenario Authenticate.validate_neutron

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	co
authenticate.validate_neutron	0.106	0.121	0.133	0.137	0.142	0.122	100.0%	10
authenticate.validate_neutron (2)	0.029	0.088	0.109	0.11	0.111	0.087	100.0%	10
total	0.218	0.286	0.32	0.324	0.328	0.281	100.0%	10

```
Load duration: 0.860924005508
Full duration: 3.14792895317

run_rally - INFO - Test scenario: "authenticate" OK.
run_rally - INFO - Starting test scenario "glance" ...
run_rally - INFO -
 Preparing input task
 Task  e020cf98-caa0-4014-a28d-42748bf9dca3: started
Task e020cf98-caa0-4014-a28d-42748bf9dca3: finished

test scenario GlanceImages.list_images
+--------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                      |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.list_images | 0.193 | 0.22   | 0.23   | 0.234  | 0.238 | 0.217 | 100.0%  | 10    |
| total              | 0.193 | 0.22   | 0.23   | 0.234  | 0.238 | 0.217 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.657658100128
Full duration: 3.69541883469

test scenario GlanceImages.create_image_and_boot_instances
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| glance.create_image | 2.85  | 3.139  | 3.39   | 3.41   | 3.43   | 3.133 | 100.0%  | 10    |
| nova.boot_servers   | 5.898 | 6.853  | 7.241  | 7.329  | 7.417  | 6.806 | 100.0%  | 10    |
| total               | 8.797 | 10.039 | 10.461 | 10.534 | 10.607 | 9.94  | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 29.545609951
Full duration: 55.3799848557

test scenario GlanceImages.create_and_list_image
+--------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                      |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.create_image | 2.821 | 3.548  | 3.89   | 3.905  | 3.92  | 3.507 | 100.0%  | 10    |
| glance.list_images  | 0.04  | 0.045  | 0.053  | 0.054  | 0.056 | 0.046 | 100.0%  | 10    |
| total               | 2.873 | 3.599  | 3.934  | 3.948  | 3.962 | 3.553 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 10.4028940201
Full duration: 15.1872868538

test scenario GlanceImages.create_and_delete_image
+--------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                      |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.create_image | 2.876 | 3.678  | 3.734  | 3.742  | 3.75  | 3.507 | 100.0%  | 10    |
| glance.delete_image | 0.141 | 0.148  | 0.209  | 0.217  | 0.226 | 0.162 | 100.0%  | 10    |
| total               | 3.036 | 3.822  | 3.893  | 3.934  | 3.976 | 3.669 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

```
Load duration: 10.7681660652
Full duration: 13.7783231735

run_rally - INFO - Test scenario: "glance" OK.
run_rally - INFO - Starting test scenario "cinder" ...
run_rally - INFO -
 Preparing input task
 Task  d1dd9119-e59d-4e80-ad09-072f6300762b: started
Task d1dd9119-e59d-4e80-ad09-072f6300762b: finished

test scenario CinderVolumes.create_and_attach_volume
+----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                      |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server     | 3.086  | 4.323  | 5.484  | 5.514  | 5.544  | 4.505  | 100.0%  | 10    |
| cinder.create_volume | 2.703  | 2.882  | 2.961  | 2.969  | 2.978  | 2.865  | 100.0%  | 10    |
| nova.attach_volume   | 7.55   | 7.801  | 10.194 | 10.345 | 10.495 | 8.292  | 100.0%  | 10    |
| nova.detach_volume   | 2.967  | 5.217  | 5.602  | 5.694  | 5.786  | 4.468  | 100.0%  | 10    |
| cinder.delete_volume | 2.393  | 2.51   | 2.562  | 2.572  | 2.582  | 2.497  | 100.0%  | 10    |
| nova.delete_server   | 2.375  | 2.429  | 2.554  | 2.595  | 2.637  | 2.46   | 100.0%  | 10    |
| total                | 21.586 | 25.034 | 28.962 | 29.376 | 29.79  | 25.088 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 74.0110630989
Full duration: 87.3835339546

test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 5.186 | 5.298  | 5.406  | 5.44   | 5.474 | 5.311 | 100.0%  | 10    |
| cinder.list_volumes  | 0.11  | 0.134  | 0.147  | 0.148  | 0.15  | 0.133 | 100.0%  | 10    |
| total                | 5.336 | 5.425  | 5.529  | 5.575  | 5.62  | 5.444 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 16.3077280521
Full duration: 27.7325429916

test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 2.841 | 2.921  | 3.157  | 3.158  | 3.158 | 2.951 | 100.0%  | 10    |
| cinder.list_volumes  | 0.067 | 0.12   | 0.18   | 0.18   | 0.18  | 0.127 | 100.0%  | 10    |
| total                | 2.954 | 3.036  | 3.281  | 3.282  | 3.283 | 3.078 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 9.12118315697
Full duration: 19.8639061451

test scenario CinderVolumes.create_and_list_snapshots
+-----------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
```

```
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_snapshot | 2.433 | 2.508  | 2.551  | 2.552  | 2.554 | 2.5   | 100.0%  | 10    |
| cinder.list_snapshots  | 0.018 | 0.082  | 0.103  | 0.111  | 0.119 | 0.069 | 100.0%  | 10    |
| total                  | 2.523 | 2.561  | 2.612  | 2.627  | 2.641 | 2.57  | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 7.76097297668
Full duration: 31.5859258175

test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 2.795 | 2.848  | 2.943  | 2.955  | 2.968 | 2.867 | 100.0%  | 10    |
| cinder.delete_volume | 2.446 | 2.499  | 2.595  | 2.669  | 2.744 | 2.524 | 100.0%  | 10    |
| total                | 5.295 | 5.374  | 5.521  | 5.53   | 5.539 | 5.391 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 16.1756019592
Full duration: 23.199131012

test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 5.287 | 5.38   | 5.424  | 5.439  | 5.454 | 5.365 | 100.0%  | 10    |
| cinder.delete_volume | 2.394 | 2.549  | 2.687  | 2.699  | 2.711 | 2.555 | 100.0%  | 10    |
| total                | 7.728 | 7.896  | 8.06   | 8.081  | 8.103 | 7.92  | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 23.6543819904
Full duration: 30.6390721798

test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 2.885 | 2.937  | 3.053  | 3.059  | 3.066 | 2.962 | 100.0%  | 10    |
| cinder.delete_volume | 2.405 | 2.586  | 2.691  | 2.732  | 2.773 | 2.577 | 100.0%  | 10    |
| total                | 5.421 | 5.531  | 5.59   | 5.691  | 5.793 | 5.539 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 16.603798151
Full duration: 23.3788831234

test scenario CinderVolumes.create_and_upload_volume_to_image
+-------------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+------------------------------+--------+--------+--------+--------+--------+--------+---------+----
| action                       | min    | median | 90%ile | 95%ile | max    | avg    | success | cou
+------------------------------+--------+--------+--------+--------+--------+--------+---------+----
| cinder.create_volume         | 2.792  | 2.951  | 3.369  | 3.545  | 3.721  | 3.036  | 100.0%  | 10
| cinder.upload_volume_to_image | 26.207 | 65.967 | 78.731 | 83.94  | 89.149 | 62.382 | 100.0%  | 10
| cinder.delete_volume         | 2.469  | 2.587  | 2.777  | 2.908  | 3.038  | 2.617  | 100.0%  | 10
| nova.delete_image            | 0.306  | 0.602  | 1.075  | 1.085  | 1.095  | 0.679  | 100.0%  | 10
| total                        | 32.909 | 73.046 | 84.953 | 90.036 | 95.118 | 68.714 | 100.0%  | 10
```

```
+------------------------------+--------+--------+--------+--------+--------+--------+---------+-------+----
Load duration: 183.403058052
Full duration: 190.890599012

test scenario CinderVolumes.create_and_delete_snapshot
+-------------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                          |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_snapshot | 2.494 | 2.541  | 2.623  | 2.662  | 2.701 | 2.563 | 100.0%  | 10    |
| cinder.delete_snapshot | 2.29  | 2.379  | 2.557  | 2.611  | 2.665 | 2.424 | 100.0%  | 10    |
| total                 | 4.784 | 4.953  | 5.15   | 5.215  | 5.279 | 4.988 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 14.7655448914
Full duration: 33.6425430775

test scenario CinderVolumes.create_volume
+-----------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                    |
+----------------------+-------+--------+--------+--------+-----+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max | avg   | success | count |
+----------------------+-------+--------+--------+--------+-----+-------+---------+-------+
| cinder.create_volume | 2.789 | 2.912  | 3.076  | 3.088  | 3.1 | 2.933 | 100.0%  | 10    |
| total                | 2.789 | 2.913  | 3.076  | 3.088  | 3.1 | 2.933 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-----+-------+---------+-------+
Load duration: 8.82123494148
Full duration: 18.1940879822

test scenario CinderVolumes.create_volume
+-------------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                      |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 2.807 | 2.927  | 3.035  | 3.036  | 3.036 | 2.926 | 100.0%  | 10    |
| total                | 2.808 | 2.927  | 3.036  | 3.036  | 3.036 | 2.927 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 8.90417385101
Full duration: 20.1418190002

test scenario CinderVolumes.list_volumes
+-----------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.list_volumes | 0.226 | 0.251  | 0.27   | 0.282  | 0.293 | 0.253 | 100.0%  | 10    |
| total                | 0.226 | 0.251  | 0.27   | 0.282  | 0.293 | 0.253 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.773681879044
Full duration: 47.6445128918

test scenario CinderVolumes.create_nested_snapshots_and_attach_volume
+-------------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                          |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
```

cinder.create_volume	2.752	2.933	3.066	3.089	3.112	2.943	100.0%	10
cinder.create_snapshot	2.319	2.388	2.432	2.437	2.441	2.387	100.0%	10
nova.attach_volume	7.626	9.641	12.934	14.634	16.334	10.372	100.0%	10
nova.detach_volume	3.067	5.326	5.451	5.507	5.563	4.908	100.0%	10
cinder.delete_snapshot	2.261	2.317	2.419	2.448	2.476	2.333	100.0%	10
cinder.delete_volume	2.339	2.491	2.583	2.615	2.647	2.486	100.0%	10
total	21.617	24.353	28.724	30.338	31.953	25.746	100.0%	10

Load duration: 72.4364318848
Full duration: 113.83590889

test scenario CinderVolumes.create_from_volume_and_delete_volume

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	9.733	14.37	14.917	16.883	18.848	13.936	100.0%	10
cinder.delete_volume	2.357	2.482	2.618	2.619	2.619	2.497	100.0%	10
total	12.277	16.823	17.514	19.491	21.468	16.433	100.0%	10

Load duration: 46.032130003
Full duration: 65.3552489281

test scenario CinderVolumes.create_and_extend_volume

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	2.81	2.879	3.049	3.065	3.082	2.923	100.0%	10
cinder.extend_volume	2.584	2.789	2.943	2.951	2.958	2.782	100.0%	10
cinder.delete_volume	2.402	2.564	2.615	2.633	2.65	2.54	100.0%	10
total	8.046	8.216	8.376	8.506	8.636	8.246	100.0%	10

Load duration: 24.652312994
Full duration: 31.6354629993

test scenario CinderVolumes.create_snapshot_and_attach_volume

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	2.872	2.939	2.986	3.045	3.103	2.944	100.0%	10
cinder.create_snapshot	2.312	2.389	2.452	2.499	2.546	2.395	100.0%	10
nova.attach_volume	7.624	7.814	13.095	16.211	19.328	9.374	100.0%	10
nova.detach_volume	2.991	4.159	5.336	5.399	5.461	4.171	100.0%	10
cinder.delete_snapshot	2.186	2.277	2.41	2.418	2.426	2.296	100.0%	10
cinder.delete_volume	2.431	2.498	2.589	2.595	2.601	2.51	100.0%	10
total	21.28	23.314	26.739	29.882	33.025	24.004	100.0%	10

Load duration: 68.312828064
Full duration: 112.127801895

test scenario CinderVolumes.create_snapshot_and_attach_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	2.617	2.833	2.941	2.982	3.022	2.823	100.0%	10
cinder.create_snapshot	2.282	2.375	2.445	2.47	2.494	2.384	100.0%	10
nova.attach_volume	7.58	7.741	13.508	16.698	19.888	9.501	100.0%	10
nova.detach_volume	3.07	5.287	5.408	5.463	5.518	4.882	100.0%	10
cinder.delete_snapshot	2.254	2.326	2.432	2.435	2.438	2.343	100.0%	10
cinder.delete_volume	2.339	2.475	2.593	2.625	2.656	2.483	100.0%	10
total	21.236	23.663	29.169	32.362	35.555	24.955	100.0%	10

Load duration: 71.8869941235
Full duration: 117.904321909

run_rally - INFO - Test scenario: "cinder" OK.
run_rally - INFO - Starting test scenario "heat" ...
run_rally - INFO -
 Preparing input task
 Task e23e2615-b959-461f-9e63-973b9de00f98: started
Task e23e2615-b959-461f-9e63-973b9de00f98: finished

test scenario HeatStacks.create_suspend_resume_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	2.856	3.146	3.227	3.244	3.262	3.087	100.0%	10
heat.suspend_stack	0.525	1.615	1.756	1.822	1.888	1.284	100.0%	10
heat.resume_stack	0.549	1.6	1.663	1.673	1.682	1.296	100.0%	10
heat.delete_stack	1.312	1.491	1.655	1.659	1.662	1.501	100.0%	10
total	5.641	7.374	8.053	8.167	8.281	7.168	100.0%	10

Load duration: 22.0507199764
Full duration: 25.5707690716

test scenario HeatStacks.create_and_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	2.923	3.085	3.286	3.309	3.331	3.115	100.0%	10
heat.delete_stack	0.243	0.963	1.56	1.624	1.688	0.962	100.0%	10
total	3.166	4.127	4.666	4.735	4.803	4.076	100.0%	10

Load duration: 13.0132920742
Full duration: 16.5792620182

test scenario HeatStacks.create_and_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	9.979	11.338	13.752	13.849	13.946	11.536	100.0%	10
heat.delete_stack	7.092	8.228	8.71	8.871	9.033	8.149	100.0%	10

```
| total             | 18.547 | 19.228 | 21.86  | 22.086 | 22.312 | 19.685 | 100.0%  | 10    |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 58.1043260098
Full duration: 61.6377520561

test scenario HeatStacks.create_and_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action            | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 11.918 | 13.906 | 16.154 | 16.286 | 16.418 | 13.895 | 100.0%  | 10    |
| heat.delete_stack | 8.414  | 9.204  | 10.491 | 10.538 | 10.585 | 9.295  | 100.0%  | 10    |
| total             | 21.347 | 22.82  | 25.491 | 26.247 | 27.003 | 23.19  | 100.0%  | 10    |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 68.1649589539
Full duration: 71.9318380356

test scenario HeatStacks.list_stacks_and_resources
+-------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| heat.list_stacks               | 0.233 | 0.257  | 0.318  | 0.436  | 0.555 | 0.286 | 100.0%  | 10
| heat.list_resources_of_0_stacks | 0.0   | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 100.0%  | 10
| total                          | 0.233 | 0.257  | 0.318  | 0.436  | 0.555 | 0.286 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 0.829450845718
Full duration: 3.74743390083

test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 2.703 | 2.996  | 3.064  | 3.184  | 3.304 | 2.981 | 100.0%  | 10    |
| heat.update_stack | 2.487 | 3.644  | 3.84   | 3.918  | 3.996 | 3.387 | 100.0%  | 10    |
| heat.delete_stack | 0.52  | 1.473  | 1.686  | 1.691  | 1.697 | 1.413 | 100.0%  | 10    |
| total             | 6.639 | 8.102  | 8.301  | 8.486  | 8.671 | 7.781 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 23.5321931839
Full duration: 26.9891970158

test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 2.69  | 3.032  | 3.266  | 3.279  | 3.293 | 3.041 | 100.0%  | 10    |
| heat.update_stack | 2.458 | 2.642  | 3.727  | 3.766  | 3.805 | 3.037 | 100.0%  | 10    |
| heat.delete_stack | 0.556 | 1.511  | 1.586  | 1.632  | 1.678 | 1.419 | 100.0%  | 10    |
| total             | 6.957 | 7.396  | 8.15   | 8.18   | 8.21  | 7.497 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 22.4653220177
Full duration: 25.9613161087
```

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	2.936	3.18	3.4	3.735	4.069	3.237	100.0%	10
heat.update_stack	4.79	5.132	6.045	6.06	6.076	5.308	100.0%	10
heat.delete_stack	1.518	2.424	2.589	2.618	2.647	2.182	100.0%	10
total	9.624	10.703	11.721	11.781	11.842	10.727	100.0%	10

Load duration: 31.7993149757
Full duration: 35.7221229076

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
total	n/a	n/a	n/a	n/a	n/a	n/a	0.0%	7

Load duration: 6.70760798454
Full duration: 15.0584180355

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	2.893	3.127	3.179	3.194	3.209	3.079	100.0%	10
heat.update_stack	4.695	5.02	5.189	5.193	5.197	5.007	100.0%	10
heat.delete_stack	1.51	2.454	2.786	2.821	2.855	2.302	100.0%	10
total	9.334	10.621	10.981	10.985	10.99	10.388	100.0%	10

Load duration: 31.2812139988
Full duration: 35.1641018391

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	2.885	3.01	3.24	3.311	3.381	3.05	100.0%	10
heat.update_stack	2.83	3.881	3.936	3.968	4.0	3.777	100.0%	10
heat.delete_stack	1.307	1.567	1.645	1.79	1.935	1.543	100.0%	10
total	7.316	8.436	8.859	8.868	8.876	8.37	100.0%	10

Load duration: 24.9058198929
Full duration: 28.9196100235

test scenario HeatStacks.create_and_list_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count

```
+------------------+-------+--------+--------+--------+-------+------+---------+-------+
| heat.create_stack | 2.882 | 3.04   | 3.213  | 3.318  | 3.423 | 3.07 | 100.0%  | 10    |
| heat.list_stacks  | 0.037 | 0.16   | 0.174  | 0.178  | 0.182 | 0.14 | 100.0%  | 10    |
| total             | 3.046 | 3.142  | 3.382  | 3.478  | 3.575 | 3.21 | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+-------+------+---------+-------+
Load duration: 9.64803004265
Full duration: 17.1896460056

test scenario HeatStacks.create_check_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action           | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 2.808 | 3.191  | 3.252  | 3.281  | 3.311 | 3.148 | 100.0%  | 10    |
| heat.check_stack  | 0.407 | 0.668  | 1.405  | 1.545  | 1.685 | 0.776 | 100.0%  | 10    |
| heat.delete_stack | 0.678 | 1.561  | 1.687  | 1.707  | 1.726 | 1.474 | 100.0%  | 10    |
| total             | 4.931 | 5.317  | 5.757  | 5.974  | 6.192 | 5.398 | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 16.0285110474
Full duration: 19.9199111462

run_rally - INFO - Test scenario: "heat" Failed.
run_rally - INFO - Starting test scenario "keystone" ...
run_rally - INFO -
 Preparing input task
 Task  08dbf827-7838-43b0-9cd2-3d48c9632781: started
Task 08dbf827-7838-43b0-9cd2-3d48c9632781: finished

test scenario KeystoneBasic.create_tenant_with_users
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.113 | 0.12   | 0.158  | 0.176  | 0.195 | 0.13  | 100.0%  | 10    |
| keystone.create_users  | 0.651 | 0.684  | 0.707  | 0.733  | 0.759 | 0.685 | 100.0%  | 10    |
| total                 | 0.772 | 0.8    | 0.865  | 0.91   | 0.954 | 0.815 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.42733502388
Full duration: 12.6668281555

test scenario KeystoneBasic.create_add_and_list_user_roles
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_role | 0.115 | 0.123  | 0.132  | 0.145  | 0.159 | 0.125 | 100.0%  | 10    |
| keystone.add_role    | 0.09  | 0.101  | 0.122  | 0.137  | 0.151 | 0.106 | 100.0%  | 10    |
| keystone.list_roles  | 0.049 | 0.057  | 0.062  | 0.065  | 0.067 | 0.057 | 100.0%  | 10    |
| total                | 0.26  | 0.282  | 0.328  | 0.329  | 0.33  | 0.288 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.850867986679
Full duration: 6.24242782593

test scenario KeystoneBasic.add_and_remove_user_role
+-------------------------------------------------------------------------------------------+
```

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_role	0.118	0.172	0.235	0.244	0.254	0.177	100.0%	10
keystone.add_role	0.095	0.115	0.16	0.162	0.165	0.122	100.0%	10
keystone.remove_role	0.059	0.068	0.163	0.164	0.166	0.085	100.0%	10
total	0.281	0.407	0.444	0.447	0.451	0.385	100.0%	10

Load duration: 1.1720468998
Full duration: 6.63848996162

test scenario KeystoneBasic.create_update_and_delete_tenant

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.125	0.19	0.247	0.268	0.289	0.191	100.0%	10
keystone.update_tenant	0.052	0.063	0.11	0.111	0.113	0.07	100.0%	10
keystone.delete_tenant	0.12	0.141	0.192	0.227	0.261	0.153	100.0%	10
total	0.331	0.418	0.486	0.502	0.517	0.415	100.0%	10

Load duration: 1.27042984962
Full duration: 5.3805770874

test scenario KeystoneBasic.create_and_delete_service

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_service	0.111	0.117	0.13	0.139	0.147	0.121	100.0%	10
keystone.delete_service	0.055	0.067	0.096	0.097	0.097	0.071	100.0%	10
total	0.176	0.189	0.212	0.215	0.218	0.192	100.0%	10

Load duration: 0.61040687561
Full duration: 4.58190393448

test scenario KeystoneBasic.create_tenant

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.114	0.128	0.136	0.16	0.183	0.131	100.0%	10
total	0.114	0.128	0.137	0.16	0.183	0.131	100.0%	10

Load duration: 0.400830030441
Full duration: 4.4062628746

test scenario KeystoneBasic.create_user

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_user	0.124	0.137	0.146	0.163	0.179	0.138	100.0%	10

```
| total                | 0.125 | 0.137  | 0.146  | 0.163  | 0.179 | 0.138 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.42484498024
Full duration: 4.1389541626

test scenario KeystoneBasic.create_and_list_tenants
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.117 | 0.126  | 0.134  | 0.152  | 0.17  | 0.129 | 100.0%  | 10    |
| keystone.list_tenants  | 0.046 | 0.059  | 0.104  | 0.104  | 0.105 | 0.069 | 100.0%  | 10    |
| total                  | 0.166 | 0.19   | 0.231  | 0.233  | 0.235 | 0.198 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.600751876831
Full duration: 6.1798210144

test scenario KeystoneBasic.create_and_delete_role
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_role | 0.118 | 0.227  | 0.298  | 0.3    | 0.302 | 0.204 | 100.0%  | 10    |
| keystone.delete_role | 0.105 | 0.13   | 0.271  | 0.29   | 0.309 | 0.157 | 100.0%  | 10    |
| total                | 0.238 | 0.346  | 0.573  | 0.59   | 0.607 | 0.362 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.21080708504
Full duration: 5.530189991

test scenario KeystoneBasic.get_entities
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.121 | 0.125  | 0.148  | 0.149  | 0.151 | 0.13  | 100.0%  | 10    |
| keystone.create_user   | 0.062 | 0.078  | 0.103  | 0.121  | 0.139 | 0.084 | 100.0%  | 10    |
| keystone.create_role   | 0.046 | 0.051  | 0.067  | 0.069  | 0.072 | 0.055 | 100.0%  | 10    |
| keystone.get_tenant    | 0.04  | 0.05   | 0.054  | 0.057  | 0.06  | 0.049 | 100.0%  | 10    |
| keystone.get_user      | 0.048 | 0.058  | 0.072  | 0.082  | 0.093 | 0.062 | 100.0%  | 10    |
| keystone.get_role      | 0.042 | 0.047  | 0.053  | 0.058  | 0.064 | 0.048 | 100.0%  | 10    |
| keystone.service_list  | 0.046 | 0.055  | 0.069  | 0.079  | 0.09  | 0.058 | 100.0%  | 10    |
| keystone.get_service   | 0.041 | 0.048  | 0.057  | 0.072  | 0.088 | 0.051 | 100.0%  | 10    |
| total                  | 0.483 | 0.541  | 0.568  | 0.584  | 0.599 | 0.538 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.66359400749
Full duration: 10.0017409325

test scenario KeystoneBasic.create_and_list_users
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_user | 0.131 | 0.14   | 0.157  | 0.205  | 0.254 | 0.151 | 100.0%  | 10    |
| keystone.list_users  | 0.051 | 0.057  | 0.065  | 0.078  | 0.091 | 0.06  | 100.0%  | 10    |
```

```
| total                | 0.182 | 0.199  | 0.239  | 0.274  | 0.309 | 0.211 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.62369799614
Full duration: 4.64324808121

run_rally - INFO - Test scenario: "keystone" OK.
run_rally - INFO - Starting test scenario "neutron" ...
run_rally - INFO -
 Preparing input task
 Task  7a8d4b82-85d3-485c-996e-08dbd3787094: started
Task 7a8d4b82-85d3-485c-996e-08dbd3787094: finished

test scenario NeutronNetworks.create_and_delete_ports
+-------------------------------------------------------------------------------------------+
|                                Response Times (sec)                                       |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_port | 0.424 | 0.519  | 0.555  | 0.559  | 0.563 | 0.503 | 100.0%  | 10    |
| neutron.delete_port | 0.148 | 0.283  | 0.32   | 0.339  | 0.358 | 0.259 | 100.0%  | 10    |
| total              | 0.584 | 0.797  | 0.849  | 0.859  | 0.87  | 0.762 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.3002948761
Full duration: 25.5696978569

test scenario NeutronNetworks.create_and_list_routers
+-------------------------------------------------------------------------------------------+
|                                Response Times (sec)                                       |
+------------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                       | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet        | 0.421 | 0.453  | 0.541  | 0.55   | 0.56  | 0.472 | 100.0%  | 10    |
| neutron.create_router        | 0.039 | 0.045  | 0.24   | 0.247  | 0.254 | 0.11  | 100.0%  | 10    |
| neutron.add_interface_router | 0.28  | 0.297  | 0.417  | 0.427  | 0.438 | 0.32  | 100.0%  | 10    |
| neutron.list_routers         | 0.043 | 0.163  | 0.181  | 0.185  | 0.189 | 0.122 | 100.0%  | 10    |
| total                        | 0.795 | 1.045  | 1.115  | 1.243  | 1.372 | 1.024 | 100.0%  | 10    |
+------------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.85029602051
Full duration: 27.2547390461

test scenario NeutronNetworks.create_and_delete_routers
+-------------------------------------------------------------------------------------------+
|                                Response Times (sec)                                       |
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet          | 0.399 | 0.476  | 0.542  | 0.561  | 0.579 | 0.479 | 100.0%  | 10    |
| neutron.create_router          | 0.038 | 0.041  | 0.181  | 0.186  | 0.19  | 0.096 | 100.0%  | 10    |
| neutron.add_interface_router   | 0.272 | 0.306  | 0.421  | 0.426  | 0.43  | 0.34  | 100.0%  | 10    |
| neutron.remove_interface_router | 0.228 | 0.311  | 0.514  | 0.518  | 0.521 | 0.338 | 100.0%  | 10    |
| neutron.delete_router          | 0.151 | 0.159  | 0.295  | 0.297  | 0.298 | 0.205 | 100.0%  | 10    |
| total                          | 1.218 | 1.388  | 1.829  | 1.868  | 1.908 | 1.458 | 100.0%  | 10    |
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.20906496048
Full duration: 28.1987309456

test scenario NeutronNetworks.create_and_list_ports
+-------------------------------------------------------------------------------------------+
```

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_port	0.429	0.5	0.612	0.626	0.639	0.521	100.0%	10
neutron.list_ports	0.108	0.282	0.352	0.372	0.392	0.262	100.0%	10
total	0.594	0.761	0.957	0.957	0.957	0.783	100.0%	10

Load duration: 2.34113693237
Full duration: 26.7457489967

test scenario NeutronNetworks.create_and_delete_subnets

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.402	0.436	0.542	0.566	0.59	0.463	100.0%	10
neutron.delete_subnet	0.142	0.29	0.334	0.367	0.4	0.25	100.0%	10
total	0.564	0.709	0.86	0.875	0.89	0.713	100.0%	10

Load duration: 2.14902901649
Full duration: 25.5031478405

test scenario NeutronNetworks.create_and_delete_networks

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_network	0.301	0.346	0.477	0.499	0.521	0.363	100.0%	10
neutron.delete_network	0.105	0.112	0.289	0.29	0.291	0.161	100.0%	10
total	0.411	0.457	0.766	0.789	0.812	0.524	100.0%	10

Load duration: 1.52401685715
Full duration: 14.2058041096

test scenario NeutronNetworks.create_and_list_networks

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_network	0.307	0.336	0.388	0.405	0.423	0.348	100.0%	10
neutron.list_networks	0.043	0.172	0.242	0.279	0.316	0.147	100.0%	10
total	0.36	0.503	0.621	0.622	0.623	0.495	100.0%	10

Load duration: 1.58333802223
Full duration: 15.9647290707

test scenario NeutronNetworks.create_and_update_routers

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.434	0.497	0.576	0.576	0.577	0.499	100.0%	10
neutron.create_router	0.037	0.173	0.305	0.36	0.415	0.158	100.0%	10

```
| neutron.add_interface_router | 0.294 | 0.439  | 0.504  | 0.513  | 0.522 | 0.404 | 100.0%  | 10
| neutron.update_router        | 0.131 | 0.272  | 0.316  | 0.359  | 0.402 | 0.263 | 100.0%  | 10
| total                        | 0.93  | 1.355  | 1.47   | 1.584  | 1.698 | 1.324 | 100.0%  | 10
+------------------------------+-------+--------+--------+--------+-------+-------+---------+-------
Load duration: 3.98894906044
Full duration: 29.5306479931

test scenario NeutronNetworks.create_and_update_networks
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_network | 0.317 | 0.356  | 0.487  | 0.489  | 0.491 | 0.377 | 100.0%  | 10    |
| neutron.update_network | 0.103 | 0.277  | 0.309  | 0.316  | 0.322 | 0.22  | 100.0%  | 10    |
| total                 | 0.421 | 0.626  | 0.787  | 0.79   | 0.793 | 0.598 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.78881001472
Full duration: 16.6285750866

test scenario NeutronNetworks.create_and_update_ports
+-------------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                      |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_port | 0.435 | 0.471  | 0.575  | 0.578  | 0.58  | 0.49  | 100.0%  | 10    |
| neutron.update_port | 0.124 | 0.245  | 0.349  | 0.375  | 0.402 | 0.237 | 100.0%  | 10    |
| total               | 0.565 | 0.725  | 0.912  | 0.917  | 0.922 | 0.728 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.24334001541
Full duration: 26.9849171638

test scenario NeutronNetworks.create_and_list_subnets
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet | 0.428 | 0.456  | 0.539  | 0.544  | 0.549 | 0.476 | 100.0%  | 10    |
| neutron.list_subnets  | 0.061 | 0.192  | 0.234  | 0.25   | 0.265 | 0.157 | 100.0%  | 10    |
| total                 | 0.498 | 0.642  | 0.77   | 0.786  | 0.803 | 0.633 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.8174021244
Full duration: 26.2954719067

test scenario NeutronNetworks.create_and_update_subnets
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet | 0.396 | 0.432  | 0.523  | 0.543  | 0.562 | 0.444 | 100.0%  | 10    |
| neutron.update_subnet | 0.157 | 0.226  | 0.355  | 0.395  | 0.434 | 0.256 | 100.0%  | 10    |
| total                 | 0.554 | 0.688  | 0.876  | 0.892  | 0.909 | 0.7   | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.9577729702
Full duration: 25.9509670734
```

```
run_rally - INFO - Test scenario: "neutron" OK.
run_rally - INFO - Starting test scenario "nova" ...
run_rally - INFO -
 Preparing input task
 Task  c520ad11-229c-433c-9fbb-2ddc8152c608: started
Task c520ad11-229c-433c-9fbb-2ddc8152c608: finished

test scenario NovaKeypair.create_and_delete_keypair
+-----------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                  |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.create_keypair | 0.423 | 0.517  | 0.708  | 1.052  | 1.396 | 0.61  | 100.0%  | 10    |
| nova.delete_keypair | 0.013 | 0.018  | 0.02   | 0.023  | 0.025 | 0.018 | 100.0%  | 10    |
| total               | 0.442 | 0.534  | 0.722  | 1.068  | 1.415 | 0.627 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.91971611977
Full duration: 16.1851501465

test scenario NovaServers.snapshot_server
+-------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+-----------------------+--------+---------+---------+---------+---------+--------+---------+-------
| action                | min    | median  | 90%ile  | 95%ile  | max     | avg    | success | count
+-----------------------+--------+---------+---------+---------+---------+--------+---------+-------
| nova.boot_server      | 3.327  | 5.71    | 6.47    | 7.233   | 7.996   | 5.669  | 100.0%  | 10
| nova.create_image     | 35.707 | 57.482  | 68.949  | 70.89   | 72.832  | 55.735 | 100.0%  | 10
| nova.delete_server    | 2.417  | 2.639   | 3.37    | 4.016   | 4.662   | 2.931  | 100.0%  | 10
| nova.boot_server (2)  | 14.245 | 30.97   | 41.617  | 41.703  | 41.788  | 28.214 | 100.0%  | 10
| nova.delete_server (2) | 2.702  | 4.558   | 6.714   | 6.78    | 6.847   | 4.351  | 100.0%  | 10
| nova.delete_image     | 0.222  | 0.481   | 0.801   | 0.912   | 1.024   | 0.514  | 100.0%  | 10
| total                 | 61.815 | 104.063 | 118.678 | 119.932 | 121.185 | 97.414 | 100.0%  | 10
+-----------------------+--------+---------+---------+---------+---------+--------+---------+-------
Load duration: 270.805267096
Full duration: 295.748194933

test scenario NovaKeypair.boot_and_delete_server_with_keypair
+-----------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                  |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| nova.create_keypair | 0.371 | 0.431  | 0.516  | 0.517  | 0.517  | 0.439 | 100.0%  | 10    |
| nova.boot_server    | 3.04  | 4.457  | 5.757  | 5.786  | 5.815  | 4.552 | 100.0%  | 10    |
| nova.delete_server  | 2.381 | 2.534  | 2.842  | 3.654  | 4.465  | 2.696 | 100.0%  | 10    |
| nova.delete_keypair | 0.012 | 0.018  | 0.02   | 0.021  | 0.022  | 0.017 | 100.0%  | 10    |
| total               | 5.958 | 7.497  | 9.018  | 9.735  | 10.452 | 7.704 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 22.5302600861
Full duration: 46.1866869926

test scenario NovaKeypair.create_and_list_keypairs
+-----------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                  |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

nova.create_keypair	0.414	0.575	0.631	0.71	0.789	0.556	100.0%	10
nova.list_keypairs	0.013	0.018	0.02	0.021	0.021	0.018	100.0%	10
total	0.433	0.596	0.649	0.728	0.808	0.574	100.0%	10

Load duration: 1.60233187675
Full duration: 16.7130730152

test scenario NovaServers.list_servers

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.list_servers	0.587	0.606	0.69	0.722	0.755	0.631	100.0%	10
total	0.587	0.606	0.69	0.722	0.755	0.631	100.0%	10

Load duration: 1.8859231472
Full duration: 50.8739178181

test scenario NovaServers.resize_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	3.363	3.918	6.304	6.779	7.255	4.596	100.0%	10
nova.resize	21.13	26.439	42.015	42.22	42.424	29.139	100.0%	10
nova.resize_confirm	2.398	2.551	2.703	2.704	2.706	2.563	100.0%	10
nova.delete_server	2.37	2.395	2.798	3.721	4.644	2.648	100.0%	10
total	29.822	34.933	54.227	54.69	55.153	38.945	100.0%	10

Load duration: 114.259507179
Full duration: 128.127579927

test scenario NovaServers.boot_server_from_volume_and_delete

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.235	5.567	6.045	6.052	6.06	4.919	100.0%	10
nova.boot_server	8.307	9.5	12.422	13.056	13.69	9.862	100.0%	10
nova.delete_server	4.461	4.62	4.671	4.692	4.714	4.589	100.0%	10
total	16.186	19.059	22.977	23.551	24.126	19.371	100.0%	10

Load duration: 56.1163849831
Full duration: 87.4642381668

test scenario NovaServers.boot_and_migrate_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	3.453	4.707	6.199	6.246	6.293	4.887	100.0%	10
nova.stop_server	4.627	5.136	15.964	16.161	16.358	9.106	100.0%	10
nova.migrate	14.455	16.394	25.486	26.426	27.366	18.474	100.0%	10
nova.resize_confirm	2.376	2.404	2.575	2.612	2.649	2.458	100.0%	10

```
| nova.delete_server  | 2.351  | 2.377  | 2.42   | 2.479  | 2.538  | 2.394  | 100.0%  | 10    |
| total               | 29.051 | 37.529 | 44.149 | 47.114 | 50.08  | 37.32  | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 101.067945957
Full duration: 115.384446144

test scenario NovaServers.boot_and_delete_server
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server   | 3.655 | 6.711  | 7.36   | 7.385  | 7.41   | 6.243  | 100.0%  | 10    |
| nova.delete_server | 2.362 | 4.587  | 4.739  | 4.809  | 4.879  | 4.013  | 100.0%  | 10    |
| total              | 6.017 | 10.937 | 11.962 | 12.02  | 12.078 | 10.256 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 29.3568899632
Full duration: 52.9771959782

test scenario NovaServers.boot_and_rebuild_server
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server   | 3.859  | 4.72   | 6.26   | 6.315  | 6.369  | 5.06   | 100.0%  | 10    |
| nova.rebuild_server | 6.283 | 7.559  | 9.599  | 12.803 | 16.006 | 8.2    | 100.0%  | 10    |
| nova.delete_server | 2.37   | 2.551  | 4.527  | 4.582  | 4.638  | 3.088  | 100.0%  | 10    |
| total              | 13.383 | 16.01  | 18.944 | 20.596 | 22.249 | 16.348 | 100.0%  | 10    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 55.2873470783
Full duration: 79.1774559021

test scenario NovaSecGroup.create_and_list_secgroups
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------------------+--------+--------+--------+--------+--------+--------+---
| action                         | min    | median | 90%ile | 95%ile | max    | avg    | success | co
+--------------------------------+--------+--------+--------+--------+--------+--------+---
| nova.create_10_security_groups | 1.595  | 1.928  | 2.017  | 2.036  | 2.055  | 1.891  | 100.0%  | 10
| nova.create_100_rules          | 9.581  | 10.462 | 10.693 | 10.803 | 10.913 | 10.36  | 100.0%  | 10
| nova.list_security_groups      | 0.136  | 0.189  | 0.245  | 0.272  | 0.299  | 0.198  | 100.0%  | 10
| total                          | 11.447 | 12.553 | 12.839 | 12.881 | 12.923 | 12.449 | 100.0%  | 10
+--------------------------------+--------+--------+--------+--------+--------+--------+---
Load duration: 36.6872730255
Full duration: 63.5205390453

test scenario NovaSecGroup.create_and_delete_secgroups
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------------------+--------+--------+--------+--------+--------+--------+---
| action                         | min    | median | 90%ile | 95%ile | max    | avg    | success | co
+--------------------------------+--------+--------+--------+--------+--------+--------+---
| nova.create_10_security_groups | 1.492  | 1.946  | 2.157  | 2.214  | 2.271  | 1.932  | 100.0%  | 10
| nova.create_100_rules          | 9.298  | 10.497 | 10.608 | 10.624 | 10.64  | 10.256 | 100.0%  | 10
| nova.delete_10_security_groups | 0.783  | 1.061  | 1.126  | 1.132  | 1.138  | 1.005  | 100.0%  | 10
| total                          | 11.788 | 13.418 | 13.784 | 13.788 | 13.793 | 13.194 | 100.0%  | 10
+--------------------------------+--------+--------+--------+--------+--------+--------+---
```

Load duration: 38.9264039993
Full duration: 53.6155569553

test scenario NovaServers.boot_and_bounce_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	3.546	5.034	5.948	6.012	6.077	4.964	100.0%	10
nova.reboot_server	2.449	4.78	6.939	6.961	6.984	5.332	100.0%	10
nova.soft_reboot_server	6.583	6.718	18.85	72.219	125.589	18.596	100.0%	10
nova.stop_server	4.622	4.796	15.736	15.861	15.986	6.96	100.0%	10
nova.start_server	2.662	2.828	3.001	3.04	3.078	2.849	100.0%	10
nova.rescue_server	6.77	15.566	17.493	17.544	17.595	12.874	100.0%	10
nova.unrescue_server	2.291	4.444	4.571	4.583	4.596	3.643	100.0%	10
nova.delete_server	2.372	2.397	2.507	2.528	2.55	2.424	100.0%	10
total	35.205	49.523	70.623	110.831	151.04	57.653	100.0%	10

Load duration: 193.802706003
Full duration: 217.975458145

test scenario NovaServers.boot_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	3.41	4.816	6.024	6.056	6.089	4.692	100.0%	10
total	3.41	4.816	6.024	6.057	6.089	4.692	100.0%	10

Load duration: 13.1493849754
Full duration: 37.5227308273

test scenario NovaSecGroup.boot_and_delete_server_with_secgroups

Response Times (sec)							
action	min	median	90%ile	95%ile	max	avg	success
nova.create_10_security_groups	1.487	1.851	2.252	2.299	2.345	1.876	100.0%
nova.create_100_rules	9.079	10.618	10.831	10.864	10.897	10.241	100.0%
nova.boot_server	4.315	4.525	5.609	5.629	5.649	4.901	100.0%
nova.get_attached_security_groups	0.137	0.156	0.289	0.312	0.334	0.183	100.0%
nova.delete_server	2.381	2.417	2.572	2.663	2.754	2.47	100.0%
nova.delete_10_security_groups	0.844	1.033	1.131	1.171	1.212	1.021	100.0%
total	18.91	21.054	21.677	21.936	22.195	20.692	100.0%

Load duration: 61.2168090343
Full duration: 85.7305738926

test scenario NovaServers.pause_and_unpause_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	3.337	5.865	6.135	6.166	6.198	5.184	100.0%	10

```
| nova.pause_server   | 2.311  | 2.468  | 2.511  | 2.528  | 2.545  | 2.422  | 100.0%  | 10    |
| nova.unpause_server | 2.306  | 2.47   | 2.538  | 2.548  | 2.558  | 2.441  | 100.0%  | 10    |
| nova.delete_server  | 2.37   | 2.623  | 4.832  | 4.882  | 4.932  | 3.392  | 100.0%  | 10    |
| total               | 10.861 | 13.388 | 15.614 | 15.649 | 15.684 | 13.439 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 39.8893749714
Full duration: 65.2461550236

test scenario NovaServers.boot_server_from_volume
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume | 3.172  | 3.51   | 6.009  | 6.055  | 6.102  | 4.387  | 100.0%  | 10    |
| nova.boot_server     | 7.575  | 8.761  | 11.062 | 12.16  | 13.258 | 9.396  | 100.0%  | 10    |
| total                | 10.812 | 12.565 | 17.043 | 18.063 | 19.083 | 13.783 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 40.4101068974
Full duration: 76.4117758274

test scenario NovaServers.boot_and_list_server
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.boot_server  | 3.891 | 4.847  | 6.169  | 6.267  | 6.365 | 5.093 | 100.0%  | 10    |
| nova.list_servers | 0.163 | 0.201  | 0.418  | 0.475  | 0.533 | 0.268 | 100.0%  | 10    |
| total             | 4.296 | 5.066  | 6.393  | 6.646  | 6.899 | 5.361 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 15.2852530479
Full duration: 50.1823370457

run_rally - INFO - Test scenario: "nova" OK.
run_rally - INFO - Starting test scenario "quotas" ...
run_rally - INFO -
 Preparing input task
 Task  4d0fc176-8b72-4789-8249-7ca3ed815669: started
Task 4d0fc176-8b72-4789-8249-7ca3ed815669: finished

test scenario Quotas.cinder_update
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.591 | 0.621  | 0.669  | 0.672  | 0.674 | 0.626 | 100.0%  | 10    |
| total                | 0.591 | 0.621  | 0.669  | 0.672  | 0.674 | 0.626 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.86674189568
Full duration: 7.90543198586

test scenario Quotas.neutron_update
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
```

```
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.243 | 0.257  | 0.271  | 0.271  | 0.271 | 0.258 | 100.0%  | 10    |
| total                | 0.308 | 0.328  | 0.36   | 0.367  | 0.374 | 0.331 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.996067047119
Full duration: 6.61853408813

test scenario Quotas.cinder_update_and_delete
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.568 | 0.604  | 0.623  | 0.677  | 0.732 | 0.611 | 100.0%  | 10    |
| quotas.delete_quotas | 0.415 | 0.442  | 0.477  | 0.501  | 0.526 | 0.449 | 100.0%  | 10    |
| total                | 0.992 | 1.049  | 1.142  | 1.165  | 1.188 | 1.06  | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.19247508049
Full duration: 9.27472686768

test scenario Quotas.nova_update_and_delete
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.323 | 0.35   | 0.371  | 0.38   | 0.39  | 0.349 | 100.0%  | 7     |
| quotas.delete_quotas | 0.02  | 0.021  | 0.023  | 0.024  | 0.025 | 0.022 | 71.4%   | 7     |
| total                | 0.344 | 0.369  | 0.378  | 0.378  | 0.379 | 0.363 | 71.4%   | 7     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.752856969833
Full duration: 6.31551885605

test scenario Quotas.nova_update
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.307 | 0.354  | 0.396  | 0.43   | 0.463 | 0.361 | 100.0%  | 10    |
| total                | 0.307 | 0.354  | 0.396  | 0.43   | 0.463 | 0.361 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.06656098366
Full duration: 6.7101290226

run_rally - INFO - Test scenario: "quotas" Failed.
run_rally - INFO - Starting test scenario "requests" ...
run_rally - INFO -
 Preparing input task
 Task  16778409-ff5d-4254-aa3b-b80de677272e: started
Task 16778409-ff5d-4254-aa3b-b80de677272e: finished

test scenario HttpRequests.check_random_request
+-------------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                          |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

```
| requests.check_request | 5.446 | 5.5    | 5.982  | 5.983  | 5.984 | 5.611 | 100.0%  | 10    |
| total                  | 5.446 | 5.5    | 5.982  | 5.983  | 5.984 | 5.611 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 16.9417049885
Full duration: 19.4220340252

test scenario HttpRequests.check_request
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| requests.check_request | 5.459 | 5.479  | 5.494  | 5.501  | 5.508 | 5.478 | 100.0%  | 10    |
| total                  | 5.459 | 5.479  | 5.494  | 5.501  | 5.508 | 5.478 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 16.4412920475
Full duration: 18.8327140808

run_rally - INFO - Test scenario: "requests" OK.
run_rally - INFO -

                     Rally Summary Report
+===================+============+===============+===========+
| Module            | Duration   | nb. Test Run  | Success   |
+===================+============+===============+===========+
| authenticate      | 00:18      | 10            | 100.00%   |
+-------------------+------------+---------------+-----------+
| glance            | 01:28      | 7             | 100.00%   |
+-------------------+------------+---------------+-----------+
| cinder            | 16:35      | 50            | 100.00%   |
+-------------------+------------+---------------+-----------+
| heat              | 06:24      | 32            | 92.31%    |
+-------------------+------------+---------------+-----------+
| keystone          | 01:10      | 29            | 100.00%   |
+-------------------+------------+---------------+-----------+
| neutron           | 04:48      | 31            | 100.00%   |
+-------------------+------------+---------------+-----------+
| nova              | 25:39      | 61            | 100.00%   |
+-------------------+------------+---------------+-----------+
| quotas            | 00:36      | 7             | 94.28%    |
+-------------------+------------+---------------+-----------+
| requests          | 00:38      | 2             | 100.00%   |
+-------------------+------------+---------------+-----------+
+===================+============+===============+===========+
| TOTAL:            | 00:57:39   | 229           | 98.51%    |
+===================+============+===============+===========+
```

3.6 SDN Controller

3.6.1 ODL

```
==============================================================================
Basic
==============================================================================
Basic.010 Restconf OK :: Test suite to verify Restconf is OK
```

```
==============================================================================
Get Controller Modules :: Get the controller modules via Restconf     | PASS |
------------------------------------------------------------------------------
Basic.010 Restconf OK :: Test suite to verify Restconf is OK          | PASS |
1 critical test, 1 passed, 0 failed
1 test total, 1 passed, 0 failed
==============================================================================
Basic                                                                 | PASS |
1 critical test, 1 passed, 0 failed
1 test total, 1 passed, 0 failed
==============================================================================
Output:  /home/opnfv/output.xml
Log:     /home/opnfv/log.html
Report:  /home/opnfv/report.html
==============================================================================
Neutron :: Test suite for Neutron Plugin
==============================================================================
Neutron.Networks :: Checking Network created in OpenStack are pushed to Ope...
==============================================================================
Check OpenStack Networks :: Checking OpenStack Neutron for known n... | PASS |
------------------------------------------------------------------------------
Check OpenDaylight Networks :: Checking OpenDaylight Neutron API f... | PASS |
------------------------------------------------------------------------------
Create Network :: Create new network in OpenStack                     | PASS |
------------------------------------------------------------------------------
Check Network :: Check Network created in OpenDaylight                | PASS |
------------------------------------------------------------------------------
Neutron.Networks :: Checking Network created in OpenStack are push... | PASS |
4 critical tests, 4 passed, 0 failed
4 tests total, 4 passed, 0 failed
==============================================================================
Neutron.Subnets :: Checking Subnets created in OpenStack are pushed to Open...
==============================================================================
Check OpenStack Subnets :: Checking OpenStack Neutron for known Su... | PASS |
------------------------------------------------------------------------------
Check OpenDaylight subnets :: Checking OpenDaylight Neutron API fo... | PASS |
------------------------------------------------------------------------------
Create New subnet :: Create new subnet in OpenStack                   | PASS |
------------------------------------------------------------------------------
Check New subnet :: Check new subnet created in OpenDaylight          | PASS |
------------------------------------------------------------------------------
Neutron.Subnets :: Checking Subnets created in OpenStack are pushe... | PASS |
4 critical tests, 4 passed, 0 failed
4 tests total, 4 passed, 0 failed
==============================================================================
Neutron.Ports :: Checking Port created in OpenStack are pushed to OpenDaylight
==============================================================================
Check OpenStack ports :: Checking OpenStack Neutron for known ports   | PASS |
------------------------------------------------------------------------------
Check OpenDaylight ports :: Checking OpenDaylight Neutron API for ... | PASS |
------------------------------------------------------------------------------
Create New Port :: Create new port in OpenStack                       | PASS |
------------------------------------------------------------------------------
Check New Port :: Check new subnet created in OpenDaylight            | PASS |
------------------------------------------------------------------------------
Neutron.Ports :: Checking Port created in OpenStack are pushed to ... | PASS |
4 critical tests, 4 passed, 0 failed
4 tests total, 4 passed, 0 failed
```

```
==============================================================================
Neutron.Delete Ports :: Checking Port deleted in OpenStack are deleted also...
==============================================================================
Delete New Port :: Delete previously created port in OpenStack        | PASS |
------------------------------------------------------------------------------
Check Port Deleted :: Check port deleted in OpenDaylight              | PASS |
------------------------------------------------------------------------------
Neutron.Delete Ports :: Checking Port deleted in OpenStack are del... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
==============================================================================
Neutron.Delete Subnets :: Checking Subnets deleted in OpenStack are deleted...
==============================================================================
Delete New subnet :: Delete previously created subnet in OpenStack    | PASS |
------------------------------------------------------------------------------
Check New subnet deleted :: Check subnet deleted in OpenDaylight      | PASS |
------------------------------------------------------------------------------
Neutron.Delete Subnets :: Checking Subnets deleted in OpenStack ar... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
==============================================================================
Neutron.Delete Networks :: Checking Network deleted in OpenStack are delete...
==============================================================================
Delete Network :: Delete network in OpenStack                         | PASS |
------------------------------------------------------------------------------
Check Network deleted :: Check Network deleted in OpenDaylight        | PASS |
------------------------------------------------------------------------------
Neutron.Delete Networks :: Checking Network deleted in OpenStack a... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
==============================================================================
Neutron :: Test suite for Neutron Plugin                              | PASS |
18 critical tests, 18 passed, 0 failed
18 tests total, 18 passed, 0 failed
```

3.7 Feature tests

3.7.1 vIMS

```
FUNCTEST.info: Running vIMS test...
vIMS - INFO - Prepare OpenStack plateform (create tenant and user)
vIMS - INFO - Update OpenStack creds informations
vIMS - INFO - Upload some OS images if it doesn't exist
vIMS - INFO - centos_7 image doesn't exist on glance repository.
                          Try downloading this image and upload on glance !
vIMS - INFO - ubuntu_14.04 image doesn't exist on glance repository.
                          Try downloading this image and upload on glance !
vIMS - INFO - Update security group quota for this tenant
vIMS - INFO - Update cinder quota for this tenant
vIMS - INFO - Collect flavor id for cloudify manager server
vIMS - INFO - Prepare virtualenv for cloudify-cli
vIMS - INFO - Downloading the cloudify manager server blueprint
vIMS - INFO - Cloudify deployment Start Time:'2016-02-22 22:37:41'
vIMS - INFO - Writing the inputs file
vIMS - INFO - Launching the cloudify-manager deployment
```

```
vIMS - INFO - Cloudify-manager server is UP !
vIMS - INFO - Cloudify deployment duration:'745.0'
vIMS - INFO - Collect flavor id for all clearwater vm
vIMS - INFO - vIMS VNF deployment Start Time:'2016-02-22 22:50:07'
vIMS - INFO - Downloading the openstack-blueprint.yaml blueprint
vIMS - INFO - Writing the inputs file
vIMS - INFO - Launching the clearwater deployment
vIMS - INFO - The deployment of clearwater-opnfv is ended
vIMS - INFO - vIMS VNF deployment duration:'633.6'
vIMS - INFO - vIMS functional test Start Time:'2016-02-22 23:03:48'
vIMS - INFO - vIMS functional test duration:'4.1'
vIMS - INFO - Launching the clearwater-opnfv undeployment
vIMS - ERROR - Error when executing command /bin/bash -c 'source /home/opnfv/functest/data/vIMS/venv_
vIMS - INFO - Launching the cloudify-manager undeployment
vIMS - INFO - Cloudify-manager server has been successfully removed!
vIMS - INFO - Removing vIMS tenant ..
vIMS - INFO - Removing vIMS user ..
```

3.8 Detailed test results for compass-os-onos-nofeature-ha

3.9 VIM

3.9.1 vping_ssh

```
FUNCTEST.info: Running vPing-SSH test...
vPing_ssh- INFO - Creating image 'functest-vping' from '/home/opnfv/functest/data/cirros-0.3.4-x86_64
vPing_ssh- INFO - Creating neutron network vping-net...
vPing_ssh- INFO - Creating security group  'vPing-sg'...
vPing_ssh- INFO - Using existing Flavor 'm1.small'...
vPing_ssh- INFO - vPing Start Time:'2016-02-22 16:24:22'
vPing_ssh- INFO - Creating instance 'opnfv-vping-1'...
 name=opnfv-vping-1
 flavor=<Flavor: m1.small>
 image=defb6423-f831-4d2e-8a46-21171b471811
 network=47a5262f-1252-4ceb-b054-4d81216c1510

vPing_ssh- INFO - Instance 'opnfv-vping-1' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-1' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating instance 'opnfv-vping-2'...
 name=opnfv-vping-2
 flavor=<Flavor: m1.small>
 image=defb6423-f831-4d2e-8a46-21171b471811
 network=47a5262f-1252-4ceb-b054-4d81216c1510

vPing_ssh- INFO - Instance 'opnfv-vping-2' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-2' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating floating IP for VM 'opnfv-vping-2'...
vPing_ssh- INFO - Floating IP created: '192.168.10.102'
vPing_ssh- INFO - Associating floating ip: '192.168.10.102' to VM 'opnfv-vping-2'
vPing_ssh- INFO - Trying to establish SSH connection to 192.168.10.102...
vPing_ssh- INFO - Waiting for ping...
vPing_ssh- INFO - vPing detected!
vPing_ssh- INFO - vPing duration:'262.5' s.
```

```
vPing_ssh- INFO - Cleaning up...
vPing_ssh- INFO - vPing OK
```

3.9.2 Tempest

```
FUNCTEST.info: Running Tempest tests...
run_tempest - INFO - Creating tenant and user for Tempest suite
2016-02-22 16:28:55.743 23855 INFO rally.verification.tempest.tempest [-] Starting: Creating configur
2016-02-22 16:29:00.285 23855 INFO rally.verification.tempest.tempest [-] Completed: Creating configu

run_tempest - INFO - Starting Tempest test suite: '--tests-file /home/opnfv/repos/functest/testcases/
Total results of verification:

+--------------------------------------+--------------------------------------+----------+-------+---
| UUID                                 | Deployment UUID                      | Set name | Tests | Fa
+--------------------------------------+--------------------------------------+----------+-------+---
| ac98ac8a-e502-4828-ad00-5b6b9428c346 | 55a7fc58-ad0f-475c-88c7-369043ae2719 |          | 210   | 1
+--------------------------------------+--------------------------------------+----------+-------+---

Tests:

+-------------------------------------------------------------------------------------------------------
| name
+-------------------------------------------------------------------------------------------------------
| tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_get_flavor
| tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_list_flavors
| tempest.api.compute.images.test_images.ImagesTestJSON.test_delete_saving_image
| tempest.api.compute.images.test_images_oneserver.ImagesOneServerTestJSON.test_create_delete_image
| tempest.api.compute.images.test_images_oneserver.ImagesOneServerTestJSON.test_create_image_specify_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_limit_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_o
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_o
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_o
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_o
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_o
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_o
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_get_image
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_list_images
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_list_images_with_detail
| tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_secur
| tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_secur
| tempest.api.compute.security_groups.test_security_groups.SecurityGroupsTestJSON.test_security_group
| tempest.api.compute.servers.test_attach_interfaces.AttachInterfacesTestJSON.test_add_remove_fixed_i
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_host_name_is_same_as_server_nam
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_created_server_vcpus
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_server_details
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_host_name_is_same_as_serv
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers
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| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_created_server_vcp
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_server_details
| tempest.api.compute.servers.test_instance_actions.InstanceActionsTestJSON.test_get_instance_action
| tempest.api.compute.servers.test_instance_actions.InstanceActionsTestJSON.test_list_instance_actior
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_change_server_password
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_get_console_output
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_lock_unlock_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_hard
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_soft
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_rebuild_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_resize_server_confirm
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_resize_server_revert
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_stop_start_server
| tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresse
| tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresse
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_delete_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_get_server_metadata_it
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_list_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_set_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_set_server_metadata_it
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_update_server_metadata
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_server_with_admin_password
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_specify_keypair
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_with_existing_server_name
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_access_server_address
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_server_name
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_numeric_serve
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_server_metada
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_server_name_l
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
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| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_a_server_of_a
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_server_pass_i
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_server_pass_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_get_non_existent_ser
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_invalid_ip_v6_addres
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_reboot_non_existent_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_rebuild_non_existent
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_resize_server_with_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_resize_server_with_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_server_name_blank
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_stop_non_existent_se
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_name_of_non_e
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_name_i
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_of_and
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_set_er
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_keypair_in_analt_user_tena
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_server_fails_when_tenant_i
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_server_with_unauthorized_i
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_get_keypair_of_alt_account_fails
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_get_metadata_of_alt_account_serve
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_set_metadata_of_alt_account_serve
| tempest.api.compute.test_quotas.QuotasTestJSON.test_get_default_quotas
| tempest.api.compute.test_quotas.QuotasTestJSON.test_get_quotas
| tempest.api.compute.volumes.test_attach_volume.AttachVolumeTestJSON.test_attach_detach_volume
| tempest.api.compute.volumes.test_volumes_list.VolumesTestJSON.test_volume_list
| tempest.api.compute.volumes.test_volumes_list.VolumesTestJSON.test_volume_list_with_details
| tempest.api.compute.volumes.test_volumes_negative.VolumesNegativeTest.test_get_invalid_volume_id
| tempest.api.compute.volumes.test_volumes_negative.VolumesNegativeTest.test_get_volume_without_passi
| tempest.api.identity.admin.v2.test_services.ServicesTestJSON.test_list_services
| tempest.api.identity.admin.v2.test_users.UsersTestJSON.test_create_user
| tempest.api.identity.admin.v3.test_credentials.CredentialsTestJSON.test_credentials_create_get_upda
| tempest.api.identity.admin.v3.test_domains.DefaultDomainTestJSON.test_default_domain_exists
| tempest.api.identity.admin.v3.test_domains.DomainsTestJSON.test_create_update_delete_domain
| tempest.api.identity.admin.v3.test_endpoints.EndPointsTestJSON.test_update_endpoint
| tempest.api.identity.admin.v3.test_groups.GroupsV3TestJSON.test_group_users_add_list_delete
| tempest.api.identity.admin.v3.test_policies.PoliciesTestJSON.test_create_update_delete_policy
| tempest.api.identity.admin.v3.test_regions.RegionsTestJSON.test_create_region_with_specific_id
| tempest.api.identity.admin.v3.test_roles.RolesV3TestJSON.test_role_create_update_get_list
| tempest.api.identity.admin.v3.test_services.ServicesTestJSON.test_create_update_get_service
| tempest.api.identity.admin.v3.test_trusts.TrustsV3TestJSON.test_get_trusts_all
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.image.v1.test_images.ListImagesTest.test_index_no_params
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_delete_image
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_register_upload_get_image_file
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_update_image
| tempest.api.network.test_extensions.ExtensionsTestJSON.test_list_show_extensions
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_floating_ip_specifying_a_fixed
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_list_show_update_delete_floati
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_port
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_port
```

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| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_subnets
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_subnet
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_list_subnets
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_show_subnet
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_port_in_allowed_allocation_pools
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_port_with_no_securitygroups
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_update_delete_port
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_list_ports
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_show_port
| tempest.api.network.test_ports.PortsTestJSON.test_create_port_in_allowed_allocation_pools
| tempest.api.network.test_ports.PortsTestJSON.test_create_port_with_no_securitygroups
| tempest.api.network.test_ports.PortsTestJSON.test_create_update_delete_port
| tempest.api.network.test_ports.PortsTestJSON.test_list_ports
| tempest.api.network.test_ports.PortsTestJSON.test_show_port
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_multiple_router_interfaces
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_remove_router_interface_with_port_id
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_remove_router_interface_with_subnet_id
| tempest.api.network.test_routers.RoutersIpV6Test.test_create_show_list_update_delete_router
| tempest.api.network.test_routers.RoutersTest.test_add_multiple_router_interfaces
| tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_port_id
| tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_subnet_id
| tempest.api.network.test_routers.RoutersTest.test_create_show_list_update_delete_router
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_list_update_show_delete_secur
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_show_delete_security_group_ru
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_list_security_groups
| tempest.api.network.test_security_groups.SecGroupTest.test_create_list_update_show_delete_security_
| tempest.api.network.test_security_groups.SecGroupTest.test_create_show_delete_security_group_rule
| tempest.api.network.test_security_groups.SecGroupTest.test_list_security_groups
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_list
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_show
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_template
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_list
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_metadata
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_software_config
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_create_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_crud_no_resources
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_list_responds
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_
| tempest.api.volume.test_volumes_actions.VolumesV1ActionsTest.test_attach_detach_volume_to_instance
| tempest.api.volume.test_volumes_actions.VolumesV2ActionsTest.test_attach_detach_volume_to_instance
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_list.VolumesV1ListTestJSON.test_volume_list
| tempest.api.volume.test_volumes_list.VolumesV2ListTestJSON.test_volume_list
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| tempest.scenario.test_network_basic_ops.TestNetworkBasicOps.test_network_basic_ops
| tempest.scenario.test_server_basic_ops.TestServerBasicOps.test_server_basicops
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPattern.test_volume_boot_pattern
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPatternV2.test_volume_boot_pattern
+-------------------------------------------------------------------------------------------------------------
run_tempest - INFO - Results: {'timestart': '2016-02-2216:29:01.778060', 'duration': 1082, 'tests': 2
run_tempest - INFO - Pushing results to DB: 'http://testresults.opnfv.org/testapi/results'.
run_tempest - INFO - Deleting tenant and user for Tempest suite)
```

3.9.3 Rally

```
FUNCTEST.info: Running Rally benchmark suite...
run_rally - INFO - Starting test scenario "authenticate" ...
run_rally - INFO -
 Preparing input task
 Task  2944fcc5-089f-4ed8-851f-446508c45024: started
Task 2944fcc5-089f-4ed8-851f-446508c45024: finished

test scenario Authenticate.validate_glance
+-------------------------------------------------------------------------------------------------------------
|                                          Response Times (sec)
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                          | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_glance    | 0.122 | 0.162  | 0.216  | 0.225  | 0.234 | 0.169 | 100.0%  | 10
| authenticate.validate_glance (2)| 0.039 | 0.042  | 0.052  | 0.072  | 0.092 | 0.047 | 100.0%  | 10
| total                           | 0.258 | 0.3    | 0.34   | 0.34   | 0.341 | 0.299 | 100.0%  | 10
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 0.893048048019
Full duration: 3.09276199341

test scenario Authenticate.keystone
+-------------------------------------------------------------------------------+
|                            Response Times (sec)                               |
+--------+-------+--------+--------+--------+-------+---------+-------+
| action | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
| total  | 0.066 | 0.072  | 0.074  | 0.074  | 0.074 | 0.071 | 100.0%  | 10    |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.233579874039
Full duration: 2.32735109329

test scenario Authenticate.validate_heat
+-------------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+-------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| action                        | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+-------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| authenticate.validate_heat    | 0.113 | 0.133  | 0.255  | 0.267  | 0.28  | 0.161 | 100.0%  | 10
| authenticate.validate_heat (2)| 0.021 | 0.09   | 0.147  | 0.163  | 0.179 | 0.085 | 100.0%  | 10
| total                         | 0.254 | 0.338  | 0.389  | 0.402  | 0.415 | 0.327 | 100.0%  | 10
+-------------------------------+-------+--------+--------+--------+-------+-------+---------+------
Load duration: 0.968546152115
Full duration: 3.10294985771

test scenario Authenticate.validate_nova
```

```
+-----------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| authenticate.validate_nova     | 0.111 | 0.119  | 0.17   | 0.179  | 0.187 | 0.133 | 100.0%  | 10
| authenticate.validate_nova (2) | 0.023 | 0.035  | 0.042  | 0.048  | 0.054 | 0.036 | 100.0%  | 10
| total                          | 0.214 | 0.225  | 0.291  | 0.291  | 0.292 | 0.243 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
Load duration: 0.725472211838
Full duration: 2.86061501503

test scenario Authenticate.validate_cinder
+-----------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                          | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_cinder    | 0.098 | 0.112  | 0.138  | 0.14   | 0.143 | 0.118 | 100.0%  | 10
| authenticate.validate_cinder (2) | 0.058 | 0.071  | 0.077  | 0.078  | 0.078 | 0.07  | 100.0%  | 10
| total                           | 0.221 | 0.256  | 0.312  | 0.313  | 0.313 | 0.267 | 100.0%  | 10
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 0.797883033752
Full duration: 2.91927695274

test scenario Authenticate.validate_neutron
+-----------------------------------------------------------------------------------------------------------
|                                         Response Times (sec)
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+---
| action                           | min   | median | 90%ile | 95%ile | max   | avg   | success | co
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+---
| authenticate.validate_neutron    | 0.108 | 0.124  | 0.192  | 0.195  | 0.198 | 0.138 | 100.0%  | 10
| authenticate.validate_neutron (2) | 0.028 | 0.08   | 0.102  | 0.102  | 0.102 | 0.074 | 100.0%  | 10
| total                            | 0.207 | 0.273  | 0.346  | 0.353  | 0.359 | 0.281 | 100.0%  | 10
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+---
Load duration: 0.847912073135
Full duration: 3.07389783859

run_rally - INFO - Test scenario: "authenticate" OK.

run_rally - INFO - Starting test scenario "glance" ...
run_rally - INFO -
 Preparing input task
 Task  2fff3869-9689-44d4-b372-dd41fa2a38ec: started
Task 2fff3869-9689-44d4-b372-dd41fa2a38ec: finished

test scenario GlanceImages.list_images
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+-------------------+-------+--------+--------+--------+-----+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max | avg   | success | count |
+-------------------+-------+--------+--------+--------+-----+-------+---------+-------+
| glance.list_images | 0.177 | 0.232  | 0.296  | 0.298  | 0.3 | 0.241 | 100.0%  | 10    |
| total             | 0.177 | 0.232  | 0.296  | 0.298  | 0.3 | 0.241 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-----+-------+---------+-------+
Load duration: 0.697636127472
Full duration: 3.5939040184
```

```
test scenario GlanceImages.create_image_and_boot_instances
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| glance.create_image | 2.763 | 2.903  | 3.45   | 3.45   | 3.45   | 3.052 | 100.0%  | 10    |
| nova.boot_servers   | 4.51  | 6.909  | 7.772  | 7.907  | 8.042  | 6.735 | 100.0%  | 10    |
| total               | 7.273 | 10.244 | 10.662 | 10.752 | 10.842 | 9.787 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 28.153493166
Full duration: 53.9921939373

test scenario GlanceImages.create_and_list_image
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.create_image | 3.066 | 3.262  | 3.685  | 3.718  | 3.751 | 3.328 | 100.0%  | 10    |
| glance.list_images  | 0.04  | 0.047  | 0.059  | 0.063  | 0.066 | 0.049 | 100.0%  | 10    |
| total               | 3.107 | 3.324  | 3.734  | 3.767  | 3.8   | 3.376 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 9.83786201477
Full duration: 14.2525467873

test scenario GlanceImages.create_and_delete_image
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.create_image | 2.758 | 3.01   | 3.624  | 3.641  | 3.658 | 3.096 | 100.0%  | 10    |
| glance.delete_image | 0.119 | 0.159  | 0.282  | 0.338  | 0.394 | 0.189 | 100.0%  | 10    |
| total               | 2.887 | 3.164  | 3.878  | 3.884  | 3.89  | 3.285 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 9.57883381844
Full duration: 12.357642889

run_rally - INFO - Test scenario: "glance" OK.

run_rally - INFO - Starting test scenario "cinder" ...
run_rally - INFO -
 Preparing input task
 Task  76a5a912-68db-4001-b4a1-9beac5ae37ea: started
Task 76a5a912-68db-4001-b4a1-9beac5ae37ea: finished

test scenario CinderVolumes.create_and_attach_volume
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+--------+--------+--------+--------+--------+-------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg   | success | count |
+----------------------+--------+--------+--------+--------+--------+-------+---------+-------+
| nova.boot_server     | 3.805  | 4.389  | 5.707  | 6.126  | 6.546  | 4.733 | 100.0%  | 10    |
| cinder.create_volume | 2.687  | 2.841  | 2.929  | 2.954  | 2.978  | 2.833 | 100.0%  | 10    |
| nova.attach_volume   | 7.618  | 7.963  | 8.416  | 9.348  | 10.28  | 8.167 | 100.0%  | 10    |
| nova.detach_volume   | 2.997  | 3.285  | 5.265  | 5.314  | 5.362  | 3.992 | 100.0%  | 10    |
| cinder.delete_volume | 2.425  | 2.506  | 2.557  | 2.658  | 2.759  | 2.516 | 100.0%  | 10    |
```

```
| nova.delete_server   | 2.379  | 2.447  | 2.618  | 2.639  | 2.659  | 2.478 | 100.0%  | 10    |
| total                | 23.106 | 25.014 | 25.886 | 26.355 | 26.825 | 24.72 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 75.3569400311
Full duration: 87.994022131

test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 5.261 | 5.355  | 5.486  | 5.512  | 5.539 | 5.367 | 100.0%  | 10    |
| cinder.list_volumes  | 0.069 | 0.121  | 0.135  | 0.151  | 0.168 | 0.12  | 100.0%  | 10    |
| total                | 5.351 | 5.501  | 5.595  | 5.626  | 5.658 | 5.487 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 16.505685091
Full duration: 27.6703879833

test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 2.758 | 2.928  | 3.178  | 3.185  | 3.192 | 2.955 | 100.0%  | 10    |
| cinder.list_volumes  | 0.11  | 0.124  | 0.158  | 0.159  | 0.161 | 0.128 | 100.0%  | 10    |
| total                | 2.878 | 3.071  | 3.319  | 3.327  | 3.334 | 3.084 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 9.14664101601
Full duration: 20.325412035

test scenario CinderVolumes.create_and_list_snapshots
+-------------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                          |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_snapshot | 2.401 | 2.521  | 2.599  | 2.615  | 2.632 | 2.517 | 100.0%  | 10    |
| cinder.list_snapshots  | 0.022 | 0.083  | 0.12   | 0.15   | 0.18  | 0.089 | 100.0%  | 10    |
| total                  | 2.474 | 2.588  | 2.729  | 2.753  | 2.776 | 2.606 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 7.73569321632
Full duration: 31.2840220928

test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 2.796 | 2.999  | 3.144  | 3.15   | 3.156 | 2.996 | 100.0%  | 10    |
| cinder.delete_volume | 2.455 | 2.614  | 2.708  | 2.725  | 2.742 | 2.616 | 100.0%  | 10    |
| total                | 5.328 | 5.602  | 5.851  | 5.868  | 5.885 | 5.612 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 16.477782011
Full duration: 22.7058889866
```

```
test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 2.919 | 5.48   | 5.628  | 5.639  | 5.649 | 5.227 | 100.0%  | 10    |
| cinder.delete_volume | 2.526 | 2.693  | 2.72   | 2.755  | 2.79  | 2.663 | 100.0%  | 10    |
| total                | 5.62  | 8.087  | 8.341  | 8.375  | 8.409 | 7.89  | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 24.1292200089
Full duration: 30.4960770607

test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 2.85  | 2.948  | 3.049  | 3.07   | 3.09  | 2.953 | 100.0%  | 10    |
| cinder.delete_volume | 2.464 | 2.529  | 2.614  | 2.615  | 2.615 | 2.54  | 100.0%  | 10    |
| total                | 5.325 | 5.506  | 5.652  | 5.656  | 5.661 | 5.493 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 16.3896708488
Full duration: 22.6766388416

test scenario CinderVolumes.create_and_upload_volume_to_image
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+------------------------------+--------+--------+--------+--------+--------+--------+---------+---
| action                       | min    | median | 90%ile | 95%ile | max    | avg    | success | cou
+------------------------------+--------+--------+--------+--------+--------+--------+---------+---
| cinder.create_volume         | 2.872  | 3.051  | 3.667  | 3.678  | 3.688  | 3.15   | 100.0%  | 10
| cinder.upload_volume_to_image| 28.915 | 62.489 | 77.495 | 77.616 | 77.736 | 60.612 | 100.0%  | 10
| cinder.delete_volume         | 2.362  | 2.491  | 2.538  | 2.611  | 2.684  | 2.494  | 100.0%  | 10
| nova.delete_image            | 0.209  | 0.455  | 0.893  | 0.906  | 0.919  | 0.514  | 100.0%  | 10
| total                        | 35.229 | 68.483 | 83.109 | 83.228 | 83.346 | 66.77  | 100.0%  | 10
+------------------------------+--------+--------+--------+--------+--------+--------+---------+---
Load duration: 193.43104291
Full duration: 200.303003073

test scenario CinderVolumes.create_and_delete_snapshot
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_snapshot| 2.422 | 2.503  | 2.568  | 2.571  | 2.575 | 2.507 | 100.0%  | 10    |
| cinder.delete_snapshot| 2.313 | 2.444  | 2.482  | 2.492  | 2.501 | 2.427 | 100.0%  | 10    |
| total                 | 4.793 | 4.964  | 5.013  | 5.018  | 5.024 | 4.935 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 14.7233128548
Full duration: 33.1759068966

test scenario CinderVolumes.create_volume
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	2.844	2.948	3.269	3.319	3.369	3.015	100.0%	10
total	2.844	2.948	3.269	3.319	3.369	3.015	100.0%	10

Load duration: 8.9167098999
Full duration: 18.3895540237

test scenario CinderVolumes.create_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	2.854	2.953	3.096	3.121	3.146	2.98	100.0%	10
total	2.854	2.953	3.096	3.121	3.146	2.98	100.0%	10

Load duration: 8.90475797653
Full duration: 20.1169910431

test scenario CinderVolumes.list_volumes

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.list_volumes	0.228	0.266	0.286	0.317	0.348	0.268	100.0%	10
total	0.228	0.266	0.287	0.317	0.348	0.268	100.0%	10

Load duration: 0.792151927948
Full duration: 47.0951080322

test scenario CinderVolumes.create_nested_snapshots_and_attach_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	2.829	2.905	2.967	2.969	2.971	2.899	100.0%	10
cinder.create_snapshot	2.302	2.402	2.432	2.455	2.478	2.392	100.0%	10
nova.attach_volume	7.72	7.953	11.462	12.036	12.61	8.943	100.0%	10
nova.detach_volume	2.903	4.153	5.343	5.534	5.724	4.179	100.0%	10
cinder.delete_snapshot	2.258	2.311	2.403	2.446	2.49	2.331	100.0%	10
cinder.delete_volume	2.387	2.497	2.6	2.623	2.647	2.496	100.0%	10
total	21.145	23.329	26.38	26.678	26.977	23.543	100.0%	10

Load duration: 68.2392091751
Full duration: 106.915300131

test scenario CinderVolumes.create_from_volume_and_delete_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	7.712	12.285	17.231	18.187	19.144	12.995	100.0%	10
cinder.delete_volume	2.494	2.633	4.76	4.808	4.856	3.025	100.0%	10
total	10.216	16.032	19.868	20.756	21.645	16.019	100.0%	10

```
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 44.5057139397
Full duration: 63.1546430588

test scenario CinderVolumes.create_and_extend_volume
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 2.887 | 2.994  | 3.283  | 3.324  | 3.364 | 3.038 | 100.0%  | 10    |
| cinder.extend_volume | 2.593 | 2.748  | 2.812  | 2.924  | 3.037 | 2.754 | 100.0%  | 10    |
| cinder.delete_volume | 2.417 | 2.569  | 2.707  | 2.724  | 2.74  | 2.562 | 100.0%  | 10    |
| total                | 8.03  | 8.369  | 8.538  | 8.631  | 8.723 | 8.353 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 24.8781170845
Full duration: 31.6701009274

test scenario CinderVolumes.create_snapshot_and_attach_volume
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                 | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume   | 2.736  | 2.972  | 3.155  | 3.173  | 3.19   | 2.98   | 100.0%  | 10    |
| cinder.create_snapshot | 2.321  | 2.38   | 2.392  | 2.399  | 2.406  | 2.369  | 100.0%  | 10    |
| nova.attach_volume     | 7.503  | 7.861  | 12.563 | 13.795 | 15.028 | 9.196  | 100.0%  | 10    |
| nova.detach_volume     | 3.269  | 5.314  | 5.356  | 5.366  | 5.375  | 4.908  | 100.0%  | 10    |
| cinder.delete_snapshot | 2.21   | 2.305  | 2.435  | 2.442  | 2.45   | 2.323  | 100.0%  | 10    |
| cinder.delete_volume   | 2.413  | 2.499  | 2.584  | 2.597  | 2.611  | 2.505  | 100.0%  | 10    |
| total                  | 21.356 | 23.78  | 28.296 | 29.607 | 30.917 | 24.594 | 100.0%  | 10    |
+------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 70.9472367764
Full duration: 114.492169142

test scenario CinderVolumes.create_snapshot_and_attach_volume
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                 | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume   | 2.736  | 2.845  | 3.037  | 3.081  | 3.125  | 2.876  | 100.0%  | 10    |
| cinder.create_snapshot | 2.343  | 2.399  | 2.462  | 2.479  | 2.495  | 2.405  | 100.0%  | 10    |
| nova.attach_volume     | 7.59   | 7.737  | 13.073 | 16.133 | 19.193 | 9.585  | 100.0%  | 10    |
| nova.detach_volume     | 2.916  | 5.205  | 5.382  | 5.39   | 5.397  | 4.608  | 100.0%  | 10    |
| cinder.delete_snapshot | 2.203  | 2.364  | 2.427  | 2.455  | 2.483  | 2.347  | 100.0%  | 10    |
| cinder.delete_volume   | 2.421  | 2.547  | 2.613  | 2.662  | 2.71   | 2.55   | 100.0%  | 10    |
| total                  | 21.034 | 23.722 | 27.391 | 31.314 | 35.237 | 24.898 | 100.0%  | 10    |
+------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 73.5739891529
Full duration: 116.225493908

run_rally - INFO - Test scenario: "cinder" OK.

run_rally - INFO - Starting test scenario "heat" ...
run_rally - INFO -
 Preparing input task
 Task  c9827201-74f8-41fc-8510-938cca773ec1: started
```

```
Task c9827201-74f8-41fc-8510-938cca773ec1: finished

test scenario HeatStacks.create_suspend_resume_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack  | 2.872 | 3.106  | 3.406  | 3.484  | 3.562 | 3.155 | 100.0%  | 10    |
| heat.suspend_stack | 0.442 | 0.625  | 1.717  | 1.738  | 1.759 | 0.931 | 100.0%  | 10    |
| heat.resume_stack  | 0.537 | 1.658  | 1.746  | 1.816  | 1.886 | 1.424 | 100.0%  | 10    |
| heat.delete_stack  | 0.502 | 1.432  | 1.591  | 1.6    | 1.609 | 1.362 | 100.0%  | 10    |
| total              | 5.462 | 6.793  | 8.103  | 8.346  | 8.589 | 6.872 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 19.5646238327
Full duration: 22.7670919895

test scenario HeatStacks.create_and_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 2.903 | 3.075  | 3.47   | 3.485  | 3.501 | 3.168 | 100.0%  | 10    |
| heat.delete_stack | 0.399 | 1.444  | 1.664  | 1.668  | 1.672 | 1.316 | 100.0%  | 10    |
| total             | 3.367 | 4.479  | 4.942  | 5.031  | 5.12  | 4.484 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 13.5260851383
Full duration: 16.6767499447

test scenario HeatStacks.create_and_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action            | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 10.422 | 12.344 | 12.812 | 13.47  | 14.128 | 12.097 | 100.0%  | 10    |
| heat.delete_stack | 6.869  | 8.251  | 9.518  | 9.918  | 10.317 | 8.407  | 100.0%  | 10    |
| total             | 18.742 | 20.619 | 22.144 | 22.228 | 22.313 | 20.504 | 100.0%  | 10    |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 60.1647601128
Full duration: 63.2413249016

test scenario HeatStacks.create_and_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action            | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 12.861 | 14.13  | 16.111 | 16.328 | 16.545 | 14.294 | 100.0%  | 10    |
| heat.delete_stack | 8.256  | 8.951  | 9.675  | 9.958  | 10.241 | 8.968  | 100.0%  | 10    |
| total             | 21.289 | 22.778 | 24.964 | 25.875 | 26.786 | 23.262 | 100.0%  | 10    |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 70.9971709251
Full duration: 74.4355139732

test scenario HeatStacks.list_stacks_and_resources
+-------------------------------------------------------------------------------------------
```

```
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+------+---------+------
| action                         | min   | median | 90%ile | 95%ile | max   | avg  | success | count
+--------------------------------+-------+--------+--------+--------+-------+------+---------+------
| heat.list_stacks               | 0.221 | 0.269  | 0.393  | 0.397  | 0.401 | 0.29 | 100.0%  | 10
| heat.list_resources_of_0_stacks | 0.0   | 0.0    | 0.0    | 0.0    | 0.0   | 0.0  | 100.0%  | 10
| total                          | 0.221 | 0.269  | 0.393  | 0.397  | 0.401 | 0.29 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+------+---------+------
Load duration: 0.845721006393
Full duration: 3.40288186073

test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action           | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 2.871 | 3.088  | 3.407  | 3.415  | 3.422 | 3.124 | 100.0%  | 10    |
| heat.update_stack | 2.568 | 3.106  | 3.925  | 3.953  | 3.981 | 3.187 | 100.0%  | 10    |
| heat.delete_stack | 1.369 | 1.555  | 1.647  | 1.686  | 1.724 | 1.55  | 100.0%  | 10    |
| total            | 7.072 | 7.871  | 8.535  | 8.749  | 8.963 | 7.861 | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 24.2382650375
Full duration: 27.7685508728

test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action           | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 2.836 | 3.105  | 3.233  | 3.257  | 3.281 | 3.098 | 100.0%  | 10    |
| heat.update_stack | 2.501 | 2.628  | 3.613  | 3.804  | 3.995 | 2.859 | 100.0%  | 10    |
| heat.delete_stack | 0.298 | 0.994  | 1.511  | 1.565  | 1.62  | 1.001 | 100.0%  | 10    |
| total            | 5.886 | 6.758  | 8.232  | 8.564  | 8.895 | 6.957 | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 20.5952920914
Full duration: 23.9688129425

test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action           | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 2.896 | 3.156  | 3.462  | 3.752  | 4.042 | 3.241 | 100.0%  | 10    |
| heat.update_stack | 4.942 | 5.218  | 5.956  | 6.09   | 6.224 | 5.42  | 100.0%  | 10    |
| heat.delete_stack | 1.551 | 1.665  | 2.721  | 2.788  | 2.856 | 2.038 | 100.0%  | 10    |
| total            | 9.408 | 10.658 | 11.602 | 11.761 | 11.92 | 10.7  | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 31.6187429428
Full duration: 35.1271891594

test scenario HeatStacks.create_update_delete_stack
+-----------------------------------------------------------------------+
|                        Response Times (sec)                           |
+--------+-----+--------+--------+--------+-----+-----+---------+-------+
| action | min | median | 90%ile | 95%ile | max | avg | success | count |
```

total	n/a	n/a	n/a	n/a	n/a	n/a	0.0%	5

Load duration: 6.39157295227
Full duration: 14.0238859653

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	2.944	3.08	3.202	3.309	3.415	3.09	100.0%	10
heat.update_stack	4.794	5.017	5.255	5.579	5.904	5.077	100.0%	10
heat.delete_stack	1.435	1.866	2.632	2.657	2.682	1.998	100.0%	10
total	9.394	10.052	10.876	10.903	10.93	10.165	100.0%	10

Load duration: 30.0142600536
Full duration: 33.6354219913

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	2.874	3.099	3.257	3.296	3.334	3.084	100.0%	10
heat.update_stack	3.576	3.724	4.103	4.118	4.132	3.804	100.0%	10
heat.delete_stack	0.597	1.497	1.641	1.685	1.73	1.368	100.0%	10
total	7.498	8.373	8.618	8.72	8.823	8.256	100.0%	10

Load duration: 24.9089329243
Full duration: 28.905012846

test scenario HeatStacks.create_and_list_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	2.986	3.186	3.26	3.309	3.358	3.166	100.0%	10
heat.list_stacks	0.035	0.163	0.192	0.205	0.218	0.128	100.0%	10
total	3.039	3.305	3.472	3.495	3.518	3.294	100.0%	10

Load duration: 9.91034293175
Full duration: 16.8483679295

test scenario HeatStacks.create_check_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	2.822	3.0	3.403	3.446	3.489	3.098	100.0%	10
heat.check_stack	0.309	0.676	0.899	0.908	0.917	0.632	100.0%	10
heat.delete_stack	0.504	1.466	1.619	1.685	1.751	1.235	100.0%	10
total	3.978	5.166	5.376	5.433	5.49	4.964	100.0%	10

```
Load duration: 15.3095350266
Full duration: 19.0696201324

run_rally - INFO - Test scenario: "heat" Failed.

run_rally - INFO - Starting test scenario "keystone" ...
run_rally - INFO -
 Preparing input task
 Task  b0246610-2dd7-4817-be66-9315ab169066: started
Task b0246610-2dd7-4817-be66-9315ab169066: finished

test scenario KeystoneBasic.create_tenant_with_users
+------------------------------------------------------------------------------------------+-------+
|                                   Response Times (sec)                                   |       |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.11  | 0.13   | 0.144  | 0.153  | 0.161 | 0.131 | 100.0%  | 10    |
| keystone.create_users  | 0.628 | 0.692  | 0.803  | 0.847  | 0.89  | 0.717 | 100.0%  | 10    |
| total                  | 0.755 | 0.826  | 0.934  | 0.979  | 1.025 | 0.849 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.49157500267
Full duration: 12.6573908329

test scenario KeystoneBasic.create_add_and_list_user_roles
+-----------------------------------------------------------------------------------------+--------+
|                                   Response Times (sec)                                  |        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count  |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| keystone.create_role | 0.11  | 0.114  | 0.125  | 0.127  | 0.129 | 0.117 | 100.0%  | 10     |
| keystone.add_role    | 0.087 | 0.099  | 0.117  | 0.134  | 0.152 | 0.105 | 100.0%  | 10     |
| keystone.list_roles  | 0.049 | 0.053  | 0.068  | 0.084  | 0.101 | 0.059 | 100.0%  | 10     |
| total                | 0.261 | 0.277  | 0.302  | 0.307  | 0.313 | 0.281 | 100.0%  | 10     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
Load duration: 0.859135150909
Full duration: 5.88745498657

test scenario KeystoneBasic.add_and_remove_user_role
+-----------------------------------------------------------------------------------------+--------+
|                                   Response Times (sec)                                  |        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count  |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| keystone.create_role | 0.109 | 0.188  | 0.253  | 0.27   | 0.287 | 0.184 | 100.0%  | 10     |
| keystone.add_role    | 0.087 | 0.1    | 0.119  | 0.125  | 0.13  | 0.103 | 100.0%  | 10     |
| keystone.remove_role | 0.06  | 0.069  | 0.173  | 0.196  | 0.218 | 0.102 | 100.0%  | 10     |
| total                | 0.263 | 0.393  | 0.518  | 0.556  | 0.594 | 0.39  | 100.0%  | 10     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
Load duration: 1.32334089279
Full duration: 6.50031495094

test scenario KeystoneBasic.create_update_and_delete_tenant
+------------------------------------------------------------------------------------------+-------+
|                                   Response Times (sec)                                   |       |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

keystone.create_tenant	0.108	0.217	0.267	0.272	0.277	0.192	100.0%	10
keystone.update_tenant	0.05	0.057	0.062	0.068	0.074	0.058	100.0%	10
keystone.delete_tenant	0.119	0.132	0.141	0.142	0.142	0.132	100.0%	10
total	0.289	0.392	0.46	0.462	0.465	0.381	100.0%	10

Load duration: 1.16795897484
Full duration: 5.16257286072

test scenario KeystoneBasic.create_and_delete_service

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_service	0.105	0.121	0.153	0.169	0.185	0.13	100.0%	10
keystone.delete_service	0.053	0.06	0.065	0.072	0.079	0.061	100.0%	10
total	0.169	0.182	0.23	0.234	0.239	0.191	100.0%	10

Load duration: 0.56450510025
Full duration: 4.22321987152

test scenario KeystoneBasic.create_tenant

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.112	0.138	0.161	0.165	0.168	0.14	100.0%	10
total	0.112	0.138	0.161	0.165	0.168	0.14	100.0%	10

Load duration: 0.417885065079
Full duration: 4.0450899601

test scenario KeystoneBasic.create_user

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_user	0.126	0.177	0.186	0.189	0.191	0.164	100.0%	10
total	0.126	0.177	0.186	0.189	0.191	0.164	100.0%	10

Load duration: 0.485447883606
Full duration: 4.35393500328

test scenario KeystoneBasic.create_and_list_tenants

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.117	0.13	0.139	0.139	0.14	0.129	100.0%	10
keystone.list_tenants	0.047	0.053	0.094	0.107	0.121	0.063	100.0%	10
total	0.167	0.186	0.212	0.233	0.253	0.192	100.0%	10

Load duration: 0.566509962082
Full duration: 5.80973696709

```
test scenario KeystoneBasic.create_and_delete_role
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_role | 0.109 | 0.227  | 0.291  | 0.3    | 0.308 | 0.205 | 100.0%  | 10    |
| keystone.delete_role | 0.106 | 0.114  | 0.238  | 0.25   | 0.263 | 0.14  | 100.0%  | 10    |
| total                | 0.222 | 0.34   | 0.544  | 0.548  | 0.552 | 0.345 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.969199895859
Full duration: 5.0005710125

test scenario KeystoneBasic.get_entities
+-------------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                           |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.115 | 0.13   | 0.153  | 0.154  | 0.154 | 0.131 | 100.0%  | 10    |
| keystone.create_user   | 0.059 | 0.063  | 0.068  | 0.075  | 0.083 | 0.065 | 100.0%  | 10    |
| keystone.create_role   | 0.046 | 0.06   | 0.085  | 0.085  | 0.086 | 0.061 | 100.0%  | 10    |
| keystone.get_tenant    | 0.044 | 0.051  | 0.058  | 0.06   | 0.062 | 0.051 | 100.0%  | 10    |
| keystone.get_user      | 0.052 | 0.067  | 0.103  | 0.106  | 0.109 | 0.07  | 100.0%  | 10    |
| keystone.get_role      | 0.042 | 0.049  | 0.066  | 0.067  | 0.068 | 0.052 | 100.0%  | 10    |
| keystone.service_list  | 0.044 | 0.05   | 0.067  | 0.083  | 0.099 | 0.055 | 100.0%  | 10    |
| keystone.get_service   | 0.041 | 0.044  | 0.051  | 0.052  | 0.054 | 0.046 | 100.0%  | 10    |
| total                  | 0.489 | 0.533  | 0.57   | 0.572  | 0.574 | 0.532 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.58059597015
Full duration: 9.58514809608

test scenario KeystoneBasic.create_and_list_users
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_user | 0.129 | 0.139  | 0.153  | 0.167  | 0.181 | 0.143 | 100.0%  | 10    |
| keystone.list_users  | 0.046 | 0.054  | 0.073  | 0.079  | 0.084 | 0.06  | 100.0%  | 10    |
| total                | 0.185 | 0.198  | 0.222  | 0.227  | 0.232 | 0.203 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.615728855133
Full duration: 4.46038007736

run_rally - INFO - Test scenario: "keystone" OK.

run_rally - INFO - Starting test scenario "neutron" ...
run_rally - INFO -
 Preparing input task
 Task  60b0f938-d4b3-4eae-9392-3ac4c8a6a4b7: started
Task 60b0f938-d4b3-4eae-9392-3ac4c8a6a4b7: finished

test scenario NeutronNetworks.create_and_delete_ports
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
```

neutron.create_port	0.448	0.508	0.67	0.679	0.687	0.525	100.0%	10
neutron.delete_port	0.152	0.299	0.373	0.376	0.378	0.301	100.0%	10
total	0.6	0.817	0.958	0.977	0.995	0.826	100.0%	10

Load duration: 2.44042801857
Full duration: 24.5799560547

test scenario NeutronNetworks.create_and_list_routers

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.392	0.512	0.61	0.629	0.649	0.519	100.0%	10
neutron.create_router	0.032	0.176	0.253	0.254	0.256	0.156	100.0%	10
neutron.add_interface_router	0.227	0.375	0.444	0.468	0.492	0.366	100.0%	10
neutron.list_routers	0.03	0.151	0.184	0.196	0.207	0.115	100.0%	10
total	0.942	1.153	1.326	1.377	1.429	1.157	100.0%	10

Load duration: 3.41682577133
Full duration: 27.1603848934

test scenario NeutronNetworks.create_and_delete_routers

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	cou
neutron.create_subnet	0.406	0.478	0.571	0.602	0.634	0.488	100.0%	10
neutron.create_router	0.032	0.189	0.275	0.28	0.284	0.183	100.0%	10
neutron.add_interface_router	0.232	0.326	0.474	0.479	0.484	0.337	100.0%	10
neutron.remove_interface_router	0.163	0.25	0.492	0.5	0.508	0.288	100.0%	10
neutron.delete_router	0.126	0.229	0.301	0.356	0.41	0.224	100.0%	10
total	1.294	1.49	1.698	1.753	1.807	1.52	100.0%	10

Load duration: 4.38407206535
Full duration: 28.0664179325

test scenario NeutronNetworks.create_and_list_ports

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_port	0.433	0.663	0.718	0.718	0.719	0.601	100.0%	10
neutron.list_ports	0.089	0.231	0.345	0.385	0.425	0.243	100.0%	10
total	0.524	0.843	1.028	1.072	1.117	0.844	100.0%	10

Load duration: 2.59062600136
Full duration: 25.9457578659

test scenario NeutronNetworks.create_and_delete_subnets

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count

```
| neutron.create_subnet | 0.387 | 0.429  | 0.52   | 0.533  | 0.545 | 0.452 | 100.0%  | 10    |
| neutron.delete_subnet | 0.144 | 0.296  | 0.356  | 0.367  | 0.378 | 0.275 | 100.0%  | 10    |
| total                 | 0.573 | 0.733  | 0.811  | 0.829  | 0.846 | 0.727 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.22101807594
Full duration: 24.9812419415

test scenario NeutronNetworks.create_and_delete_networks
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_network | 0.293 | 0.395  | 0.476  | 0.482  | 0.488 | 0.397 | 100.0%  | 10    |
| neutron.delete_network | 0.103 | 0.24   | 0.332  | 0.344  | 0.357 | 0.228 | 100.0%  | 10    |
| total                 | 0.471 | 0.585  | 0.766  | 0.798  | 0.829 | 0.625 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.84316086769
Full duration: 14.2107710838

test scenario NeutronNetworks.create_and_list_networks
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_network | 0.31  | 0.347  | 0.452  | 0.454  | 0.455 | 0.362 | 100.0%  | 10    |
| neutron.list_networks  | 0.042 | 0.111  | 0.199  | 0.24   | 0.281 | 0.124 | 100.0%  | 10    |
| total                 | 0.358 | 0.493  | 0.603  | 0.624  | 0.644 | 0.486 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.45903801918
Full duration: 15.4646441936

test scenario NeutronNetworks.create_and_update_routers
+-------------------------------------------------------------------------------------------------
|                                     Response Times (sec)
+-----------------------------+-------+--------+--------+--------+-------+-------+---------+--------
| action                      | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+-----------------------------+-------+--------+--------+--------+-------+-------+---------+--------
| neutron.create_subnet       | 0.382 | 0.419  | 0.612  | 0.613  | 0.614 | 0.478 | 100.0%  | 10
| neutron.create_router       | 0.033 | 0.176  | 0.22   | 0.239  | 0.258 | 0.149 | 100.0%  | 10
| neutron.add_interface_router | 0.229 | 0.272  | 0.394  | 0.458  | 0.522 | 0.307 | 100.0%  | 10
| neutron.update_router       | 0.091 | 0.252  | 0.307  | 0.324  | 0.342 | 0.221 | 100.0%  | 10
| total                       | 0.938 | 1.105  | 1.328  | 1.406  | 1.484 | 1.156 | 100.0%  | 10
+-----------------------------+-------+--------+--------+--------+-------+-------+---------+--------
Load duration: 3.27084898949
Full duration: 27.761991024

test scenario NeutronNetworks.create_and_update_networks
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_network | 0.306 | 0.356  | 0.425  | 0.429  | 0.433 | 0.366 | 100.0%  | 10    |
| neutron.update_network | 0.113 | 0.27   | 0.33   | 0.337  | 0.343 | 0.24  | 100.0%  | 10    |
| total                 | 0.423 | 0.611  | 0.763  | 0.763  | 0.764 | 0.606 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

```
Load duration: 1.81449484825
Full duration: 15.7938911915

test scenario NeutronNetworks.create_and_update_ports
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_port | 0.431 | 0.488  | 0.702  | 0.707  | 0.711 | 0.521 | 100.0%  | 10    |
| neutron.update_port | 0.11  | 0.256  | 0.37   | 0.39   | 0.409 | 0.23  | 100.0%  | 10    |
| total               | 0.541 | 0.758  | 0.865  | 0.987  | 1.11  | 0.752 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.09433794022
Full duration: 26.3668129444

test scenario NeutronNetworks.create_and_list_subnets
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet | 0.391 | 0.421  | 0.542  | 0.558  | 0.574 | 0.449 | 100.0%  | 10    |
| neutron.list_subnets  | 0.059 | 0.135  | 0.295  | 0.332  | 0.37  | 0.163 | 100.0%  | 10    |
| total                | 0.45  | 0.631  | 0.736  | 0.752  | 0.769 | 0.612 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.75437092781
Full duration: 25.2292289734

test scenario NeutronNetworks.create_and_update_subnets
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet | 0.4   | 0.45   | 0.535  | 0.536  | 0.537 | 0.462 | 100.0%  | 10    |
| neutron.update_subnet | 0.158 | 0.306  | 0.397  | 0.412  | 0.427 | 0.3   | 100.0%  | 10    |
| total                | 0.564 | 0.773  | 0.88   | 0.904  | 0.929 | 0.763 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.266477108
Full duration: 25.2276790142

run_rally - INFO - Test scenario: "neutron" OK.

run_rally - INFO - Starting test scenario "nova" ...
run_rally - INFO -
 Preparing input task
 Task  51b9485f-50cd-43c0-89c7-901e4b55ffa4: started
Task 51b9485f-50cd-43c0-89c7-901e4b55ffa4: finished

test scenario NovaKeypair.create_and_delete_keypair
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.create_keypair | 0.378 | 0.469  | 0.572  | 0.585  | 0.599 | 0.487 | 100.0%  | 10    |
| nova.delete_keypair | 0.018 | 0.021  | 0.031  | 0.032  | 0.032 | 0.023 | 100.0%  | 10    |
```

```
| total               | 0.41  | 0.487  | 0.592  | 0.607  | 0.621 | 0.51  | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.44199299812
Full duration: 14.8640050888

test scenario NovaServers.snapshot_server
+-----------------------------------------------------------------------------------------------
|                                      Response Times (sec)
+------------------------+--------+--------+---------+---------+---------+--------+---------+-------
| action                 | min    | median | 90%ile  | 95%ile  | max     | avg    | success | count
+------------------------+--------+--------+---------+---------+---------+--------+---------+-------
| nova.boot_server       | 3.252  | 5.309  | 6.304   | 6.39    | 6.476   | 5.049  | 100.0%  | 10
| nova.create_image      | 27.858 | 48.811 | 65.726  | 65.73   | 65.734  | 47.725 | 100.0%  | 10
| nova.delete_server     | 2.519  | 2.96   | 5.038   | 5.043   | 5.047   | 3.302  | 100.0%  | 10
| nova.boot_server (2)   | 14.132 | 28.496 | 38.684  | 44.307  | 49.929  | 28.943 | 100.0%  | 10
| nova.delete_server (2) | 2.39   | 4.627  | 7.042   | 7.135   | 7.229   | 4.368  | 100.0%  | 10
| nova.delete_image      | 0.317  | 0.482  | 1.285   | 1.976   | 2.667   | 0.749  | 100.0%  | 10
| total                  | 61.01  | 97.217 | 121.154 | 121.205 | 121.255 | 90.137 | 100.0%  | 10
+------------------------+--------+--------+---------+---------+---------+--------+---------+-------
Load duration: 248.724915028
Full duration: 271.744755983

test scenario NovaKeypair.boot_and_delete_server_with_keypair
+-------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                    |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| nova.create_keypair | 0.436 | 0.508  | 0.611  | 0.618  | 0.624  | 0.52  | 100.0%  | 10    |
| nova.boot_server    | 3.084 | 4.238  | 6.002  | 6.114  | 6.226  | 4.436 | 100.0%  | 10    |
| nova.delete_server  | 2.385 | 2.558  | 3.021  | 3.844  | 4.667  | 2.752 | 100.0%  | 10    |
| nova.delete_keypair | 0.015 | 0.02   | 0.024  | 0.024  | 0.025  | 0.02  | 100.0%  | 10    |
| total               | 5.997 | 7.197  | 9.438  | 10.178 | 10.917 | 7.728 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 22.9343290329
Full duration: 44.7740108967

test scenario NovaKeypair.create_and_list_keypairs
+-------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.create_keypair | 0.367 | 0.477  | 0.546  | 0.584  | 0.622 | 0.473 | 100.0%  | 10    |
| nova.list_keypairs  | 0.014 | 0.019  | 0.025  | 0.028  | 0.03  | 0.021 | 100.0%  | 10    |
| total               | 0.384 | 0.501  | 0.565  | 0.601  | 0.636 | 0.494 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.53178596497
Full duration: 16.4732458591

test scenario NovaServers.list_servers
+-------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.list_servers | 0.588 | 0.656  | 0.754  | 0.774  | 0.795 | 0.663 | 100.0%  | 10    |
| total             | 0.589 | 0.656  | 0.754  | 0.775  | 0.795 | 0.663 | 100.0%  | 10    |
```

```
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.98694491386
Full duration: 47.495290041

test scenario NovaServers.resize_server
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server   | 3.412  | 4.572  | 6.064  | 6.069  | 6.073  | 4.644  | 100.0%  | 10    |
| nova.resize        | 21.205 | 34.251 | 42.136 | 42.238 | 42.34  | 31.684 | 100.0%  | 10    |
| nova.resize_confirm | 2.364  | 2.437  | 2.588  | 2.638  | 2.688  | 2.479  | 100.0%  | 10    |
| nova.delete_server | 2.38   | 2.427  | 2.64   | 2.727  | 2.814  | 2.475  | 100.0%  | 10    |
| total              | 29.399 | 43.496 | 53.296 | 53.299 | 53.302 | 41.282 | 100.0%  | 10    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 112.265089989
Full duration: 126.299309015

test scenario NovaServers.boot_server_from_volume_and_delete
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume | 3.376  | 4.574  | 6.275  | 6.295  | 6.315  | 4.705  | 100.0%  | 10    |
| nova.boot_server     | 8.443  | 9.25   | 11.22  | 11.494 | 11.768 | 9.658  | 100.0%  | 10    |
| nova.delete_server   | 4.478  | 4.614  | 4.912  | 5.81   | 6.708  | 4.799  | 100.0%  | 10    |
| total                | 16.358 | 19.136 | 21.665 | 22.113 | 22.56  | 19.163 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 56.0801298618
Full duration: 85.6200530529

test scenario NovaServers.boot_and_migrate_server
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server   | 3.498  | 4.001  | 5.998  | 6.132  | 6.267  | 4.49   | 100.0%  | 10    |
| nova.stop_server   | 4.649  | 13.73  | 15.606 | 15.699 | 15.791 | 11.515 | 100.0%  | 10    |
| nova.migrate       | 15.233 | 21.214 | 29.778 | 29.939 | 30.099 | 22.004 | 100.0%  | 10    |
| nova.resize_confirm | 2.366  | 2.398  | 2.559  | 2.699  | 2.838  | 2.451  | 100.0%  | 10    |
| nova.delete_server | 2.384  | 2.428  | 2.527  | 2.567  | 2.606  | 2.444  | 100.0%  | 10    |
| total              | 35.813 | 43.101 | 49.38  | 49.998 | 50.616 | 42.904 | 100.0%  | 10    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 121.644474983
Full duration: 135.548355818

test scenario NovaServers.boot_and_delete_server
+-----------------------------------------------------------------------------------+
|                                  Response Times (sec)                             |
+--------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+--------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| nova.boot_server   | 3.484 | 6.119  | 7.588  | 7.617  | 7.647  | 5.778 | 100.0%  | 10    |
| nova.delete_server | 2.393 | 2.758  | 4.763  | 4.817  | 4.872  | 3.438 | 100.0%  | 10    |
| total              | 5.885 | 8.701  | 12.336 | 12.358 | 12.379 | 9.216 | 100.0%  | 10    |
```

```
+--------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 26.0077610016
Full duration: 48.9747579098

test scenario NovaServers.boot_and_rebuild_server
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server    | 3.5    | 4.786  | 6.225  | 6.257  | 6.289  | 4.859  | 100.0%  | 10    |
| nova.rebuild_server | 6.349  | 11.303 | 17.156 | 17.218 | 17.279 | 11.611 | 100.0%  | 10    |
| nova.delete_server  | 2.381  | 2.441  | 2.549  | 2.55   | 2.552  | 2.464  | 100.0%  | 10    |
| total               | 13.553 | 18.971 | 23.648 | 24.245 | 24.842 | 18.934 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 52.6579520702
Full duration: 75.2351601124

test scenario NovaSecGroup.create_and_list_secgroups
+-------------------------------------------------------------------------------------------------
|                                      Response Times (sec)
+--------------------------------+--------+--------+--------+--------+--------+--------+---------+---
| action                         | min    | median | 90%ile | 95%ile | max    | avg    | success | co
+--------------------------------+--------+--------+--------+--------+--------+--------+---------+---
| nova.create_10_security_groups | 1.386  | 2.017  | 2.077  | 2.091  | 2.106  | 1.84   | 100.0%  | 10
| nova.create_100_rules          | 8.891  | 10.215 | 10.514 | 10.722 | 10.929 | 10.096 | 100.0%  | 10
| nova.list_security_groups      | 0.107  | 0.152  | 0.269  | 0.288  | 0.307  | 0.171  | 100.0%  | 10
| total                          | 10.858 | 12.348 | 12.575 | 12.61  | 12.645 | 12.108 | 100.0%  | 10
+--------------------------------+--------+--------+--------+--------+--------+--------+---------+---
Load duration: 35.6299619675
Full duration: 63.5884320736

test scenario NovaSecGroup.create_and_delete_secgroups
+-------------------------------------------------------------------------------------------------
|                                      Response Times (sec)
+--------------------------------+-------+--------+--------+--------+--------+--------+---------+---
| action                         | min   | median | 90%ile | 95%ile | max    | avg    | success | cou
+--------------------------------+-------+--------+--------+--------+--------+--------+---------+---
| nova.create_10_security_groups | 1.387 | 1.712  | 2.11   | 2.114  | 2.118  | 1.782  | 100.0%  | 10
| nova.create_100_rules          | 8.912 | 9.991  | 10.333 | 10.39  | 10.447 | 9.849  | 100.0%  | 10
| nova.delete_10_security_groups | 0.735 | 0.953  | 1.042  | 1.101  | 1.161  | 0.955  | 100.0%  | 10
| total                          | 11.2  | 12.869 | 13.019 | 13.049 | 13.079 | 12.586 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+--------+--------+---------+---
Load duration: 37.0498371124
Full duration: 51.703150034

test scenario NovaServers.boot_and_bounce_server
+-------------------------------------------------------------------------------------------------
|                                      Response Times (sec)
+-------------------------+--------+--------+--------+---------+---------+--------+---------+--------
| action                  | min    | median | 90%ile | 95%ile  | max     | avg    | success | count
+-------------------------+--------+--------+--------+---------+---------+--------+---------+--------
| nova.boot_server        | 3.232  | 4.745  | 6.322  | 6.339   | 6.356   | 4.884  | 100.0%  | 10
| nova.reboot_server      | 4.43   | 4.579  | 4.667  | 4.687   | 4.707   | 4.59   | 100.0%  | 10
| nova.soft_reboot_server | 4.722  | 6.782  | 18.815 | 72.233  | 125.65  | 18.46  | 100.0%  | 10
| nova.stop_server        | 4.631  | 4.711  | 6.14   | 10.834  | 15.527  | 5.852  | 100.0%  | 10
| nova.start_server       | 2.625  | 2.712  | 3.141  | 3.595   | 4.048   | 2.891  | 100.0%  | 10
| nova.rescue_server      | 6.624  | 11.131 | 17.578 | 17.69   | 17.803  | 11.544 | 100.0%  | 10
```

```
| nova.unrescue_server    | 2.293  | 4.467  | 4.631  | 4.634   | 4.636   | 3.681  | 100.0%  | 10
| nova.delete_server      | 2.346  | 2.407  | 2.563  | 2.572   | 2.581   | 2.442  | 100.0%  | 10
| total                   | 35.909 | 44.054 | 60.343 | 108.964 | 157.584 | 54.354 | 100.0%  | 10
+-------------------------+--------+--------+--------+---------+---------+--------+---------+-------
Load duration: 157.603001118
Full duration: 179.857326031

test scenario NovaServers.boot_server
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action           | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.boot_server | 3.435 | 4.325  | 6.075  | 6.183  | 6.292 | 4.629 | 100.0%  | 10    |
| total            | 3.435 | 4.325  | 6.075  | 6.183  | 6.292 | 4.629 | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 13.5383079052
Full duration: 36.4747169018

test scenario NovaSecGroup.boot_and_delete_server_with_secgroups
+-----------------------------------------------------------------------------------------------------------
|                                          Response Times (sec)
+---------------------------------+--------+--------+--------+--------+--------+--------+----------
| action                          | min    | median | 90%ile | 95%ile | max    | avg    | success
+---------------------------------+--------+--------+--------+--------+--------+--------+----------
| nova.create_10_security_groups  | 1.622  | 1.87   | 1.968  | 2.066  | 2.163  | 1.846  | 100.0%
| nova.create_100_rules           | 8.778  | 9.885  | 10.429 | 10.484 | 10.538 | 9.786  | 100.0%
| nova.boot_server                | 4.372  | 5.705  | 6.744  | 6.784  | 6.825  | 5.534  | 100.0%
| nova.get_attached_security_groups | 0.145  | 0.15   | 0.163  | 0.171  | 0.179  | 0.154  | 100.0%
| nova.delete_server              | 2.392  | 2.532  | 4.639  | 4.677  | 4.715  | 3.324  | 100.0%
| nova.delete_10_security_groups  | 0.762  | 0.811  | 1.001  | 1.056  | 1.112  | 0.864  | 100.0%
| total                           | 18.434 | 20.813 | 24.815 | 24.847 | 24.879 | 21.508 | 100.0%
+---------------------------------+--------+--------+--------+--------+--------+--------+----------
Load duration: 64.179831028
Full duration: 87.2896039486

test scenario NovaServers.pause_and_unpause_server
+-----------------------------------------------------------------------------------------+-------+
|                                  Response Times (sec)                                   |       |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server    | 3.419  | 4.899  | 6.417  | 6.437  | 6.457  | 4.897  | 100.0%  | 10    |
| nova.pause_server   | 2.319  | 2.452  | 2.541  | 2.574  | 2.607  | 2.443  | 100.0%  | 10    |
| nova.unpause_server | 2.291  | 2.397  | 2.512  | 2.565  | 2.619  | 2.409  | 100.0%  | 10    |
| nova.delete_server  | 2.36   | 2.542  | 3.024  | 3.769  | 4.514  | 2.719  | 100.0%  | 10    |
| total               | 10.572 | 12.299 | 14.07  | 14.773 | 15.475 | 12.469 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 36.6686770916
Full duration: 59.3664259911

test scenario NovaServers.boot_server_from_volume
+-----------------------------------------------------------------------------------------+-------+
|                                  Response Times (sec)                                   |       |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume | 3.258  | 3.501  | 5.924  | 5.949  | 5.974  | 4.155  | 100.0%  | 10    |
```

```
| nova.boot_server     | 7.572  | 8.821  | 12.368 | 12.983 | 13.598 | 9.51   | 100.0%  | 10    |
| total                | 11.135 | 12.15  | 18.14  | 18.856 | 19.572 | 13.665 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 38.717217207
Full duration: 73.4654810429

test scenario NovaServers.boot_and_list_server
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.boot_server  | 3.569 | 4.788  | 6.354  | 6.43   | 6.506 | 4.924 | 100.0%  | 10    |
| nova.list_servers | 0.189 | 0.37   | 0.447  | 0.453  | 0.46  | 0.346 | 100.0%  | 10    |
| total             | 3.757 | 5.231  | 6.727  | 6.745  | 6.763 | 5.27  | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 14.4698469639
Full duration: 47.3727209568

run_rally - INFO - Test scenario: "nova" OK.

run_rally - INFO - Starting test scenario "quotas" ...
run_rally - INFO -
 Preparing input task
 Task  9226e59f-9bfb-44aa-8641-99f492cd92a9: started
Task 9226e59f-9bfb-44aa-8641-99f492cd92a9: finished

test scenario Quotas.cinder_update
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+----------------------+-----+--------+--------+--------+-------+-------+---------+-------+
| action               | min | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-----+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.6 | 0.64   | 0.688  | 0.721  | 0.754 | 0.649 | 100.0%  | 10    |
| total                | 0.6 | 0.64   | 0.688  | 0.721  | 0.754 | 0.649 | 100.0%  | 10    |
+----------------------+-----+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.92687010765
Full duration: 7.31987595558

test scenario Quotas.neutron_update
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.217 | 0.255  | 0.377  | 0.401  | 0.424 | 0.28  | 100.0%  | 10    |
| total                | 0.28  | 0.325  | 0.445  | 0.469  | 0.492 | 0.346 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.03654098511
Full duration: 6.59040594101

test scenario Quotas.cinder_update_and_delete
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.588 | 0.651  | 0.699  | 0.702  | 0.705 | 0.652 | 100.0%  | 10    |
```

```
| quotas.delete_quotas | 0.389 | 0.434  | 0.5    | 0.527  | 0.554 | 0.449 | 100.0%  | 10    |
| total                | 1.011 | 1.097  | 1.176  | 1.179  | 1.182 | 1.101 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.32944512367
Full duration: 8.96466994286

test scenario Quotas.nova_update_and_delete
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.322 | 0.358  | 0.54   | 0.633  | 0.726 | 0.407 | 100.0%  | 10    |
| quotas.delete_quotas | 0.016 | 0.022  | 0.028  | 0.029  | 0.03  | 0.022 | 100.0%  | 10    |
| total                | 0.344 | 0.383  | 0.557  | 0.652  | 0.747 | 0.429 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.20111894608
Full duration: 6.32782506943

test scenario Quotas.nova_update
+-----------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                    |
+----------------------+------+--------+--------+--------+-------+------+---------+-------+
| action               | min  | median | 90%ile | 95%ile | max   | avg  | success | count |
+----------------------+------+--------+--------+--------+-------+------+---------+-------+
| quotas.update_quotas | 0.32 | 0.373  | 0.485  | 0.499  | 0.513 | 0.39 | 100.0%  | 10    |
| total                | 0.32 | 0.373  | 0.485  | 0.499  | 0.513 | 0.39 | 100.0%  | 10    |
+----------------------+------+--------+--------+--------+-------+------+---------+-------+
Load duration: 1.11949706078
Full duration: 6.58456206322

run_rally - INFO - Test scenario: "quotas" OK.

run_rally - INFO - Starting test scenario "requests" ...
run_rally - INFO -
 Preparing input task
 Task  2e77e5dd-e2ca-466a-9edb-4f5f741dd55b: started
Task 2e77e5dd-e2ca-466a-9edb-4f5f741dd55b: finished

test scenario HttpRequests.check_random_request
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| requests.check_request | 0.462 | 0.483  | 1.478  | 3.509  | 5.541 | 1.102 | 100.0%  | 10    |
| total                  | 0.462 | 0.483  | 1.478  | 3.509  | 5.541 | 1.102 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 6.3974840641
Full duration: 8.66475987434

test scenario HttpRequests.check_request
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| requests.check_request | 0.453 | 0.458  | 0.477  | 0.494  | 0.511 | 0.465 | 100.0%  | 10    |
```

```
| total                  | 0.453 | 0.458  | 0.477  | 0.494  | 0.512 | 0.465 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.39966082573
Full duration: 3.74285912514

run_rally - INFO - Test scenario: "requests" OK.

run_rally - INFO -

                     Rally Summary Report
+===================+============+===============+===========+
| Module            | Duration   | nb. Test Run  | Success   |
+===================+============+===============+===========+
| authenticate      | 00:17      | 10            | 100.00%   |
+-------------------+------------+---------------+-----------+
| glance            | 01:24      | 7             | 100.00%   |
+-------------------+------------+---------------+-----------+
| cinder            | 16:34      | 50            | 100.00%   |
+-------------------+------------+---------------+-----------+
| heat              | 06:19      | 32            | 92.31%    |
+-------------------+------------+---------------+-----------+
| keystone          | 01:07      | 29            | 100.00%   |
+-------------------+------------+---------------+-----------+
| neutron           | 04:40      | 31            | 100.00%   |
+-------------------+------------+---------------+-----------+
| nova              | 24:26      | 61            | 100.00%   |
+-------------------+------------+---------------+-----------+
| quotas            | 00:35      | 7             | 100.00%   |
+-------------------+------------+---------------+-----------+
| requests          | 00:12      | 2             | 100.00%   |
+-------------------+------------+---------------+-----------+
+===================+============+===============+===========+
| TOTAL:            | 00:55:38   | 229           | 99.15%    |
+===================+============+===============+===========+
```

3.10 SDN Controller

3.10.1 ONOS

```
FUNCTEST.info: Running ONOS test case...
Cloning into '/home/opnfv/repos/functest/testcases/Controllers/ONOS/Teston/CI/OnosSystemTest'...
FUNCvirNetNB - INFO - Creating component Handle: ONOSrest

                                +-----------------+
------------------------------ { Script And Files }  ------------------------------
                                +-----------------+
Script Log File : /home/opnfv/repos/functest/testcases/Controllers/ONOS/Teston/CI/OnosSystemTest/Test
Report Log File : /home/opnfv/repos/functest/testcases/Controllers/ONOS/Teston/CI/OnosSystemTest/Test
ONOSrest Session Log : /home/opnfv/repos/functest/testcases/Controllers/ONOS/Teston/CI/OnosSystemTest
Test Script :/home/opnfv/repos/functest/testcases/Controllers/ONOS/Teston/CI/OnosSystemTest/TestON/Te
Test Params : /home/opnfv/repos/functest/testcases/Controllers/ONOS/Teston/CI/OnosSystemTest/TestON/T
Topology : /home/opnfv/repos/functest/testcases/Controllers/ONOS/Teston/CI/OnosSystemTest/TestON/Test
                               +-------------------+
--------------------------  { Script Exec Params }  --------------------------
                               +-------------------+
```

```
'MININET':
'switch': '7'
'links': '20'

'GIT':
'pull': 'False'
'branch': 'master'

'HTTP':
'path': '/onos/vtn/'
'port': '8181'

'CTRL':
'ip1': 'OC1'
'port1': '6633'

'testcases': '2
3
4
5
6
7
8
9
10'
'SLEEP':
'startup': '15'

'ENV':
'cellApps': 'drivers
openflow
proxyarp
mobility'
'cellName': 'singlenode'

                               +----------------+
----------------------------- { Components Used }  -----------------------------
                               +----------------+
ONOSrest

                              +---------+
---------------------------- { Topology }  ----------------------------
                              +---------+

'ONOSrest':
'connect_order': '4'
'host': 'OC1'
'user': 'root'
'COMPONENTS': ''
'password': 'r00tme'
'type': 'OnosRestDriver'

-------------------------------------------------------------

*****************************
 CASE INIT
*****************************
```

```
['ONOSrest']

*****************************
 Result summary for Testcase2
*****************************

Network Post
 2.1: Generate Post Data
 2.2: Post Data via HTTP
 2.3: Get Data via HTTP
 2.4: Compare Send Id and Get Id

*****************************
 Result: Pass
*****************************

*****************************
 Result summary for Testcase3
*****************************

Network Update
 3.1: Generate Post Data
 3.2: Post Data via HTTP
 3.3: Update Data via HTTP
 3.4: Get Data via HTTP
 3.5: Compare Update data.

*****************************
 Result: Pass
*****************************

*****************************
 Result summary for Testcase4
*****************************

Network Delete
 4.1: Generate Post Data
 4.2: Post Data via HTTP
 4.3: Delete Data via HTTP
 4.4: Get Data is NULL

*****************************
 Result: Pass
*****************************

*****************************
 Result summary for Testcase5
*****************************

Subnet Post
 5.1: Generate Post Data
 5.2: Post Network Data via HTTP(Post Subnet need post network)
 5.3: Post Subnet Data via HTTP
 5.4: Get Subnet Data via HTTP
 5.5: Compare Post Subnet Data via HTTP

*****************************
 Result: Pass
```

```
*****************************

*****************************
 Result summary for Testcase6
*****************************

Subnet Update
 6.1: Generate Post Data
 6.2: Post Network Data via HTTP(Post Subnet need post network)
 6.3: Post Subnet Data via HTTP
 6.4: Update Subnet Data via HTTP
 6.5: Get Subnet Data via HTTP
 6.6: Compare Subnet Data
 6.7: Delete Subnet via HTTP

*****************************
 Result: Pass
*****************************

*****************************
 Result summary for Testcase7
*****************************

Subnet Delete
 7.1: Generate Post Data
 7.2: Post Network Data via HTTP(Post Subnet need post network)
 7.3: Post Subnet Data via HTTP
 7.4: Delete Subnet Data via HTTP
 7.5: Get Subnet Data is NULL

*****************************
 Result: Pass
*****************************

*****************************
 Result summary for Testcase8
*****************************

Port Post
 8.1: Generate Post Data
 8.2: Post Network Data via HTTP(Post port need post network)
 8.3: Post Subnet Data via HTTP(Post port need post subnet)
 8.4: Post Port Data via HTTP
 8.5: Get Port Data via HTTP
 8.6: Compare Post Port Data
 8.7: Clean Data via HTTP

*****************************
 Result: Pass
*****************************

*****************************
 Result summary for Testcase9
*****************************

Port Update
 9.1: Generate Post Data
 9.2: Post Network Data via HTTP(Post port need post network)
```

```
 9.3: Post Subnet Data via HTTP(Post port need post subnet)
 9.4: Post Port Data via HTTP
 9.5: Update Port Data via HTTP
 9.6: Get Port Data via HTTP
 9.7: Compare Update Port Data
 9.8: Clean Data via HTTP

****************************
 Result: Pass
****************************

****************************
 Result summary for Testcase10
****************************

Port Delete
 10.1: Generate Post Data
 10.2: Post Network Data via HTTP(Post port need post network)
 10.3: Post Subnet Data via HTTP(Post port need post subnet)
 10.4: Post Port Data via HTTP
 10.5: Delete Port Data via HTTP
 10.6: Get Port Data is NULL
 10.7: Clean Data via HTTP

****************************
 Result: Pass
****************************

***********************************
Test Execution Summary
***********************************

 Test Start           : 22 Feb 2016 16:47:23
 Test End             : 22 Feb 2016 16:47:39
 Execution Time       : 0:00:15.597834
 Total tests planned  : 9
 Total tests RUN      : 9
 Total Pass           : 9
 Total Fail           : 0
 Total No Result      : 0
 Success Percentage   : 100%
 Execution Result     : 100%
Disconnecting from ONOSrest: <drivers.common.api.controller.onosrestdriver.OnosRestDriver object at (
FUNCvirNetNBL3 - INFO - Creating component Handle: ONOSrest

                               +-----------------+
------------------------------ { Script And Files }  ------------------------------
                               +-----------------+

Script Log File : /home/opnfv/repos/functest/testcases/Controllers/ONOS/Teston/CI/OnosSystemTest/Test
Report Log File : /home/opnfv/repos/functest/testcases/Controllers/ONOS/Teston/CI/OnosSystemTest/Test
ONOSrest Session Log : /home/opnfv/repos/functest/testcases/Controllers/ONOS/Teston/CI/OnosSystemTest
Test Script :/home/opnfv/repos/functest/testcases/Controllers/ONOS/Teston/CI/OnosSystemTest/TestON/Te
Test Params : /home/opnfv/repos/functest/testcases/Controllers/ONOS/Teston/CI/OnosSystemTest/TestON/T
Topology : /home/opnfv/repos/functest/testcases/Controllers/ONOS/Teston/CI/OnosSystemTest/TestON/Test
                              +-------------------+
---------------------------  { Script Exec Params }  ---------------------------
                              +-------------------+
```

```
'MININET':
'switch': '7'
'links': '20'

'GIT':
'pull': 'False'
'branch': 'master'

'HTTP':
'path': '/onos/vtn/'
'port': '8181'

'CTRL':
'ip1': 'OC1'
'port1': '6653'

'testcases': '2
3
4
5
6
7
8
9
10
11
12'
'SLEEP':
'startup': '15'

'ENV':
'cellApps': 'drivers
openflow
proxyarp
mobility'
'cellName': 'singlenode'

                               +---------------+
----------------------------- { Components Used }  -----------------------------
                               +---------------+
ONOSrest

                              +---------+
---------------------------- { Topology }  ----------------------------
                              +---------+

'ONOSrest':
'connect_order': '4'
 'host': 'OC1'
 'user': 'root'
 'COMPONENTS': ''
 'password': 'root'
 'type': 'OnosRestDriver'

-------------------------------------------------------------

*****************************
 CASE INIT
```

```
*****************************

['ONOSrest']

*****************************
 Result summary for Testcase2
*****************************

Router Post
 2.1: Post Network Data via HTTP(Post Router need post network)
 2.2: Post Router Data via HTTP
 2.3: Get Router Data via HTTP
 2.4: Compare Post Router Data via HTTP

*****************************
 Result: Pass
*****************************

*****************************
 Result summary for Testcase3
*****************************

Router Update
 3.1: Post Network Data via HTTP(Post Router need post network)
 3.2: Post Router Data via HTTP
 3.3: Update Router Data via HTTP
 3.4: Get Router Data via HTTP
 3.5: Compare Router Data
 3.6: Delete Router via HTTP

*****************************
 Result: Pass
*****************************

*****************************
 Result summary for Testcase4
*****************************

Router Delete
 4.1: Post Network Data via HTTP(Post Router need post network)
 4.2: Post Router Data via HTTP
 4.3: Delete Router Data via HTTP
 4.4: Get Router Data is NULL
Verify the Router status

*****************************
 Result: Pass
*****************************

*****************************
 Result summary for Testcase5
*****************************

RouterInterface Post
 5.1: Post Network Data via HTTP(Post port need post network)
 5.2: Post Subnet Data via HTTP(Post port need post subnet)
 5.3: Post Port Data via HTTP
 5.4: Post Router Data via HTTP
```

```
 5.5: Put RouterInterface Data via HTTP
 5.6: Get RouterInterface Data via HTTP
 5.7: Compare Post Port Data
 5.8: Del RouterInterface Data via HTTP
 5.9: Clean Data via HTTP

*****************************
 Result: Pass
*****************************

*****************************
 Result summary for Testcase6
*****************************

RouterInterface Delete
 6.1: Post Network Data via HTTP(Post port need post network)
 6.2: Post Subnet Data via HTTP(Post port need post subnet)
 6.3: Post Port Data via HTTP
 6.4: Post Router Data via HTTP
 6.5: Post RouterInterface Data via HTTP
 6.6: Del RouterInterface Data via HTTP
 6.7: Delete Port Data via HTTP
 6.8: Get Port Data is NULL
 6.9: Clean Data via HTTP

*****************************
 Result: Pass
*****************************

*****************************
 Result summary for Testcase7
*****************************

FloatingIp Post
 7.1: Post Network Data via HTTP(Post port need post network)
 7.2: Post Subnet Data via HTTP(Post port need post subnet)
 7.3: Post Port Data via HTTP
 7.4: Post Router Data via HTTP
 7.5: Get Port Data via HTTP
 7.6: Post FloatingIp Data via HTTP
 7.7: Get Port Data via HTTP
 7.8: Get FloatingIp Data via HTTP
 7.9: Get FloatingIp Data via HTTP
 7.10: Compare Post FloatingIp Data
 7.11: Post FloatingIp Clean Data via HTTP
 7.12: Clean Data via HTTP

*****************************
 Result: Pass
*****************************

*****************************
 Result summary for Testcase8
*****************************

FloatingIp Update
 8.1: Post Network Data via HTTP(Post port need post network)
 8.2: Post Subnet Data via HTTP(Post port need post subnet)
```

```
 8.3: Post Port Data via HTTP
 8.4: Post Router Data via HTTP
 8.5: Post FloatingIp Data via HTTP
 8.6: Post Delete Data via HTTP
 8.7: Post NewPort Data via HTTP
 8.8: Post NewFloatingIp Data via HTTP
 8.9: Get NewFloatingIp Data via HTTP
 8.10: Compare Post FloatingIp Data
 8.11: Post FloatingIp Clean Data via HTTP
 8.12: Clean Data via HTTP

*****************************
 Result: Pass
*****************************

*****************************
 Result summary for Testcase9
*****************************

FloatingIp Delete
 9.1: Post Network Data via HTTP(Post port need post network)
 9.2: Post Subnet Data via HTTP(Post port need post subnet)
 9.3: Post Port Data via HTTP
 9.4: Post Router Data via HTTP
 9.5: Post FloatingIp Data via HTTP
 9.6: Post FloatingIp Clean Data via HTTP
 9.7: Get FloatingIp Data is NULL
 9.8: Clean Data via HTTP

*****************************
 Result: Pass
*****************************

*****************************
 Result summary for Testcase10
*****************************

Gateway Post
 10.1: Post Network Data via HTTP(Post port need post network)
 10.2: Post Subnet Data via HTTP(Post port need post subnet)
 10.3: Post Port Data via HTTP
 10.4: Post Router Data via HTTP
 10.5: Get Gateway Data via HTTP
 10.6: Compare Post Gateway Data
 10.7: Clean Data via HTTP

*****************************
 Result: Pass
*****************************

*****************************
 Result summary for Testcase11
*****************************

Gateway Update
 11.1: Post Network Data via HTTP(Post port need post network)
 11.2: Post Subnet Data via HTTP(Post port need post subnet)
 11.3: Post Port Data via HTTP
```

```
 11.4: Post Router Data via HTTP
 11.5: Post New Router Data via HTTP
 11.6: Get Gateway Data via HTTP
 11.7: Compare Post Gateway Data
 11.8: Clean Data via HTTP

*****************************
 Result: Pass
*****************************

*****************************
 Result summary for Testcase12
*****************************

Gateway Delete
 12.1: Post Network Data via HTTP(Post port need post network)
 12.2: Post Subnet Data via HTTP(Post port need post subnet)
 12.3: Post Port Data via HTTP
 12.4: Post Router Data via HTTP
 12.5: Post Del Gateway Data via HTTP
 12.6: Get Gateway Data via HTTP
 12.7: If Gateway Data is NULL
 12.8: Clean Data via HTTP

*****************************
 Result: Pass
*****************************

***********************************
Test Execution Summary
***********************************

 Test Start           : 22 Feb 2016 16:47:39
 Test End             : 22 Feb 2016 16:47:59
 Execution Time       : 0:00:20.564415
 Total tests planned  : 11
 Total tests RUN      : 11
 Total Pass           : 11
 Total Fail           : 0
 Total No Result      : 0
 Success Percentage   : 100%
 Execution Result     : 100%
Disconnecting from ONOSrest: <drivers.common.api.controller.onosrestdriver.OnosRestDriver object at (
```

3.11 Detailed test results for fuel-os-nosdn-nofeature-ha

3.12 VIM

3.12.1 vping_ssh

```
FUNCTEST.info: Running vPing-SSH test...
vPing_ssh- INFO - Creating image 'functest-vping' from '/home/opnfv/functest/data/cirros-0.3.4-x86_64
vPing_ssh- INFO - Creating neutron network vping-net...
vPing_ssh- INFO - Creating security group  'vPing-sg'...
```

```
vPing_ssh- INFO - Using existing Flavor 'm1.small'...
vPing_ssh- INFO - vPing Start Time:'2016-02-18 13:27:35'
vPing_ssh- INFO - Creating instance 'opnfv-vping-1'...
 name=opnfv-vping-1
 flavor=<Flavor: m1.small>
 image=fff41d5d-579a-4c26-844d-4e86700c44f6
 network=a5137d46-dea8-4f85-8872-08c4a5927182

vPing_ssh- INFO - Instance 'opnfv-vping-1' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-1' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating instance 'opnfv-vping-2'...
 name=opnfv-vping-2
 flavor=<Flavor: m1.small>
 image=fff41d5d-579a-4c26-844d-4e86700c44f6
 network=a5137d46-dea8-4f85-8872-08c4a5927182

vPing_ssh- INFO - Instance 'opnfv-vping-2' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-2' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating floating IP for VM 'opnfv-vping-2'...
vPing_ssh- INFO - Floating IP created: '10.118.101.200'
vPing_ssh- INFO - Associating floating ip: '10.118.101.200' to VM 'opnfv-vping-2'
vPing_ssh- INFO - Trying to establish SSH connection to 10.118.101.200...
vPing_ssh- INFO - Waiting for ping...
vPing_ssh- INFO - vPing detected!
vPing_ssh- INFO - vPing duration:'42.1' s.
vPing_ssh- INFO - Cleaning up...
vPing_ssh- INFO - vPing OK
```

3.12.2 vping_userdata

```
FUNCTEST.info: Running vPing-userdata test...
vPing_userdata- INFO - Creating image 'functest-vping' from '/home/opnfv/functest/data/cirros-0.3.4-x
vPing_userdata- INFO - Creating neutron network vping-net...
vPing_userdata- INFO - Creating security group  'vPing-sg'...
vPing_userdata- INFO - Flavor found 'm1.small'
vPing_userdata- INFO - vPing Start Time:'2016-02-18 13:29:00'
vPing_userdata- INFO - Creating instance 'opnfv-vping-1'...
 name=opnfv-vping-1
 flavor=<Flavor: m1.small>
 image=5e34c73d-91d0-4852-a407-5a4b4c1932c6
 network=a1efb318-1338-436f-8f26-3a1bacab0538

vPing_userdata- INFO - Instance 'opnfv-vping-1' is ACTIVE.
vPing_userdata- INFO - Creating instance 'opnfv-vping-2'...
 name=opnfv-vping-2
 flavor=<Flavor: m1.small>
 image=5e34c73d-91d0-4852-a407-5a4b4c1932c6
 network=a1efb318-1338-436f-8f26-3a1bacab0538
 userdata=
#!/bin/sh

while true; do
 ping -c 1 192.168.130.4 2>&1 >/dev/null
 RES=$?
 if [ "Z$RES" = "Z0" ] ; then
  echo 'vPing OK'
```

```
 break
 else
  echo 'vPing KO'
 fi
 sleep 1
done

vPing_userdata- INFO - Instance 'opnfv-vping-2' is ACTIVE.
vPing_userdata- INFO - Waiting for ping...
vPing_userdata- INFO - vPing detected!
vPing_userdata- INFO - vPing duration:'28.6'
vPing_userdata- INFO - vPing OK
vPing_userdata- INFO - Cleaning up...
vPing_userdata- INFO - Deleting network 'vping-net'...
```

3.12.3 Tempest

```
+-------------------------------------------------------------------------------------------------
| name
+-------------------------------------------------------------------------------------------------
| tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_get_flavor
| tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_list_flavors
| tempest.api.compute.images.test_images.ImagesTestJSON.test_delete_saving_image
| tempest.api.compute.images.test_images_oneserver.ImagesOneServerTestJSON.test_create_delete_image
| tempest.api.compute.images.test_images_oneserver.ImagesOneServerTestJSON.test_create_image_specify_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_limit_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_get_image
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_list_images
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_list_images_with_detail
| tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_secur
| tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_secur
| tempest.api.compute.security_groups.test_security_groups.SecurityGroupsTestJSON.test_security_group
| tempest.api.compute.servers.test_attach_interfaces.AttachInterfacesTestJSON.test_add_remove_fixed_i
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_host_name_is_same_as_server_nam
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_created_server_vcpus
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_server_details
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_host_name_is_same_as_serv
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_created_server_vcp
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_server_details
| tempest.api.compute.servers.test_instance_actions.InstanceActionsTestJSON.test_get_instance_action
| tempest.api.compute.servers.test_instance_actions.InstanceActionsTestJSON.test_list_instance_action
```

```
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_change_server_password
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_get_console_output
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_lock_unlock_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_hard
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_soft
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_rebuild_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_resize_server_confirm
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_resize_server_revert
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_stop_start_server
| tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresse
| tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresse
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_delete_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_get_server_metadata_it
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_list_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_set_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_set_server_metadata_it
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_update_server_metadata
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_server_with_admin_password
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_specify_keypair
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_with_existing_server_name
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_access_server_address
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_server_name
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_numeric_serve
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_server_metada
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_server_name_l
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_a_server_of_a
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_server_pass_i
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_server_pass_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_get_non_existent_ser
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_invalid_ip_v6_addres
```

```
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_reboot_non_existent_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_rebuild_non_existent
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_resize_server_with_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_resize_server_with_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_server_name_blank
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_stop_non_existent_se
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_name_of_non_e
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_name_l
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_of_and
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_set_en
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_keypair_in_analt_user_tena
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_server_fails_when_tenant_i
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_server_with_unauthorized_i
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_get_keypair_of_alt_account_fails
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_get_metadata_of_alt_account_serve
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_set_metadata_of_alt_account_serve
| tempest.api.compute.test_quotas.QuotasTestJSON.test_get_default_quotas
| tempest.api.compute.test_quotas.QuotasTestJSON.test_get_quotas
| tempest.api.compute.volumes.test_attach_volume.AttachVolumeTestJSON.test_attach_detach_volume
| tempest.api.compute.volumes.test_volumes_list.VolumesTestJSON.test_volume_list
| tempest.api.compute.volumes.test_volumes_list.VolumesTestJSON.test_volume_list_with_details
| tempest.api.compute.volumes.test_volumes_negative.VolumesNegativeTest.test_get_invalid_volume_id
| tempest.api.compute.volumes.test_volumes_negative.VolumesNegativeTest.test_get_volume_without_passi
| tempest.api.identity.admin.v2.test_services.ServicesTestJSON.test_list_services
| tempest.api.identity.admin.v2.test_users.UsersTestJSON.test_create_user
| tempest.api.identity.admin.v3.test_credentials.CredentialsTestJSON.test_credentials_create_get_upda
| tempest.api.identity.admin.v3.test_domains.DefaultDomainTestJSON.test_default_domain_exists
| tempest.api.identity.admin.v3.test_domains.DomainsTestJSON.test_create_update_delete_domain
| tempest.api.identity.admin.v3.test_endpoints.EndPointsTestJSON.test_update_endpoint
| tempest.api.identity.admin.v3.test_groups.GroupsV3TestJSON.test_group_users_add_list_delete
| tempest.api.identity.admin.v3.test_policies.PoliciesTestJSON.test_create_update_delete_policy
| tempest.api.identity.admin.v3.test_regions.RegionsTestJSON.test_create_region_with_specific_id
| tempest.api.identity.admin.v3.test_roles.RolesV3TestJSON.test_role_create_update_get_list
| tempest.api.identity.admin.v3.test_services.ServicesTestJSON.test_create_update_get_service
| tempest.api.identity.admin.v3.test_trusts.TrustsV3TestJSON.test_get_trusts_all
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.image.v1.test_images.ListImagesTest.test_index_no_params
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_delete_image
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_register_upload_get_image_file
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_update_image
| tempest.api.network.test_extensions.ExtensionsTestJSON.test_list_show_extensions
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_floating_ip_specifying_a_fixed
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_list_show_update_delete_floati
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_port
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_port
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_subnets
```

```
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_subnet
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_list_subnets
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_show_subnet
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_port_in_allowed_allocation_pools
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_port_with_no_securitygroups
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_update_delete_port
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_list_ports
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_show_port
| tempest.api.network.test_ports.PortsTestJSON.test_create_port_in_allowed_allocation_pools
| tempest.api.network.test_ports.PortsTestJSON.test_create_port_with_no_securitygroups
| tempest.api.network.test_ports.PortsTestJSON.test_create_update_delete_port
| tempest.api.network.test_ports.PortsTestJSON.test_list_ports
| tempest.api.network.test_ports.PortsTestJSON.test_show_port
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_multiple_router_interfaces
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_remove_router_interface_with_port_id
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_remove_router_interface_with_subnet_id
| tempest.api.network.test_routers.RoutersIpV6Test.test_create_show_list_update_delete_router
| tempest.api.network.test_routers.RoutersTest.test_add_multiple_router_interfaces
| tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_port_id
| tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_subnet_id
| tempest.api.network.test_routers.RoutersTest.test_create_show_list_update_delete_router
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_list_update_show_delete_secur
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_show_delete_security_group_ru
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_list_security_groups
| tempest.api.network.test_security_groups.SecGroupTest.test_create_list_update_show_delete_security_
| tempest.api.network.test_security_groups.SecGroupTest.test_create_show_delete_security_group_rule
| tempest.api.network.test_security_groups.SecGroupTest.test_list_security_groups
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_list
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_show
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_template
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_list
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_metadata
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_software_config
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_create_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_crud_no_resources
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_list_responds
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_
| tempest.api.volume.test_volumes_actions.VolumesV1ActionsTest.test_attach_detach_volume_to_instance
| tempest.api.volume.test_volumes_actions.VolumesV2ActionsTest.test_attach_detach_volume_to_instance
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_list.VolumesV1ListTestJSON.test_volume_list
| tempest.api.volume.test_volumes_list.VolumesV2ListTestJSON.test_volume_list
| tempest.scenario.test_network_basic_ops.TestNetworkBasicOps.test_network_basic_ops
| tempest.scenario.test_server_basic_ops.TestServerBasicOps.test_server_basicops
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPattern.test_volume_boot_pattern
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPatternV2.test_volume_boot_pattern
+-------------------------------------------------------------------------------------------
```

```
run_tempest - INFO - Results: {'timestart': '2016-02-1813:29:52.500975', 'duration': 416, 'tests': 21
```

3.12.4 Rally

```
FUNCTEST.info: Running Rally benchmark suite...
run_rally - INFO - Starting test scenario "authenticate" ...
run_rally - INFO -
 Preparing input task
 Task  2ff4981a-75d9-4de4-a111-3194115c4a00: started
Task 2ff4981a-75d9-4de4-a111-3194115c4a00: finished

test scenario Authenticate.validate_glance
+-----------------------------------------------------------------------------------------------------------
|                                          Response Times (sec)
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                           | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_glance     | 0.534 | 0.569  | 0.722  | 0.818  | 0.914 | 0.618 | 100.0%  | 10
| authenticate.validate_glance (2) | 0.512 | 0.609  | 0.713  | 0.766  | 0.818 | 0.631 | 100.0%  | 10
| total                            | 1.257 | 1.358  | 1.703  | 1.715  | 1.726 | 1.418 | 100.0%  | 10
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 4.01803302765
Full duration: 11.7534348965



test scenario Authenticate.keystone
+-------------------------------------------------------------------------------+
|                            Response Times (sec)                               |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
| action | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
| total  | 0.132 | 0.154  | 0.172  | 0.172  | 0.173 | 0.155 | 100.0%  | 10    |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.491301059723
Full duration: 8.25924301147



test scenario Authenticate.validate_heat
+-----------------------------------------------------------------------------------------------------------
|                                         Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
| authenticate.validate_heat     | 0.297 | 0.32   | 0.355  | 0.359  | 0.363 | 0.324 | 100.0%  | 10
| authenticate.validate_heat (2) | 0.043 | 0.056  | 0.302  | 0.304  | 0.307 | 0.127 | 100.0%  | 10
| total                          | 0.499 | 0.607  | 0.769  | 0.82   | 0.87  | 0.629 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
Load duration: 1.91573691368
Full duration: 10.0396120548



test scenario Authenticate.validate_nova
+-----------------------------------------------------------------------------------------------------------
```

```
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| authenticate.validate_nova     | 0.306 | 0.35   | 0.534  | 0.554  | 0.574 | 0.407 | 100.0%  | 10
| authenticate.validate_nova (2) | 0.037 | 0.059  | 0.07   | 0.081  | 0.092 | 0.059 | 100.0%  | 10
| total                          | 0.526 | 0.596  | 0.771  | 0.782  | 0.792 | 0.639 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
Load duration: 1.9150788784
Full duration: 9.77701401711



test scenario Authenticate.validate_cinder
+-----------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_cinder     | 0.268 | 0.315  | 0.353  | 0.475  | 0.596 | 0.334 | 100.0%  | 10
| authenticate.validate_cinder (2) | 0.025 | 0.282  | 0.314  | 0.323  | 0.331 | 0.264 | 100.0%  | 10
| total                          | 0.721 | 0.78   | 0.827  | 0.837  | 0.847 | 0.779 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 2.34766292572
Full duration: 10.0672118664



test scenario Authenticate.validate_neutron
+-----------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+---
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | co
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+---
| authenticate.validate_neutron     | 0.266 | 0.305  | 0.386  | 0.399  | 0.411 | 0.319 | 100.0%  | 10
| authenticate.validate_neutron (2) | 0.043 | 0.291  | 0.375  | 0.403  | 0.432 | 0.241 | 100.0%  | 10
| total                          | 0.483 | 0.76   | 0.908  | 0.914  | 0.92  | 0.729 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+---
Load duration: 2.25539779663
Full duration: 9.62706780434



run_rally - INFO - Test scenario: "authenticate" OK.

run_rally - INFO - Starting test scenario "glance" ...
run_rally - INFO -
 Preparing input task
 Task  9fb726cd-f20e-4f95-b32f-5928c72cf58d: started
Task 9fb726cd-f20e-4f95-b32f-5928c72cf58d: finished

test scenario GlanceImages.list_images
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.list_images | 0.72  | 0.85   | 0.942  | 0.947  | 0.951 | 0.833 | 100.0%  | 10    |
```

```
| total              | 0.721 | 0.85   | 0.943  | 0.947  | 0.951 | 0.834 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.45959687233
Full duration: 12.9740490913



test scenario GlanceImages.create_image_and_boot_instances
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| glance.create_image | 7.498  | 7.743  | 17.964 | 19.73  | 21.495 | 10.171 | 100.0%  | 10    |
| nova.boot_servers   | 13.174 | 14.424 | 15.318 | 15.539 | 15.76  | 14.34  | 100.0%  | 10    |
| total               | 20.863 | 22.368 | 32.383 | 33.741 | 35.099 | 24.511 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 68.7006659508
Full duration: 127.436779022



test scenario GlanceImages.create_and_list_image
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.create_image | 7.303 | 7.684  | 7.837  | 7.911  | 7.984 | 7.63  | 100.0%  | 10    |
| glance.list_images  | 0.328 | 0.583  | 0.697  | 0.698  | 0.699 | 0.574 | 100.0%  | 10    |
| total               | 7.862 | 8.283  | 8.38   | 8.472  | 8.564 | 8.205 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 24.5710179806
Full duration: 37.9533209801



test scenario GlanceImages.create_and_delete_image
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.create_image | 7.448 | 7.605  | 7.805  | 7.817  | 7.829 | 7.617 | 100.0%  | 10    |
| glance.delete_image | 2.01  | 2.372  | 2.628  | 2.686  | 2.743 | 2.393 | 100.0%  | 10    |
| total               | 9.506 | 9.976  | 10.387 | 10.466 | 10.545| 10.01 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 30.0124220848
Full duration: 40.2773120403



run_rally - INFO - Test scenario: "glance" OK.

run_rally - INFO - Starting test scenario "cinder" ...
run_rally - INFO -
 Preparing input task
 Task  a724f287-e014-40ef-8e87-173e5eb2b0a2: started
```

```
Task a724f287-e014-40ef-8e87-173e5eb2b0a2: finished

test scenario CinderVolumes.create_and_attach_volume
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server     | 10.889 | 13.965 | 14.695 | 14.724 | 14.752 | 13.234 | 100.0%  | 10    |
| cinder.create_volume | 3.218  | 3.812  | 4.128  | 4.214  | 4.3    | 3.776  | 100.0%  | 10    |
| nova.attach_volume   | 3.737  | 4.69   | 4.963  | 5.092  | 5.222  | 4.612  | 100.0%  | 10    |
| nova.detach_volume   | 3.18   | 3.917  | 4.273  | 4.325  | 4.377  | 3.867  | 100.0%  | 10    |
| cinder.delete_volume | 0.489  | 2.54   | 2.801  | 2.886  | 2.972  | 2.261  | 100.0%  | 10    |
| nova.delete_server   | 2.527  | 2.94   | 3.218  | 3.228  | 3.239  | 2.926  | 100.0%  | 10    |
| total                | 26.351 | 30.9   | 32.731 | 33.273 | 33.815 | 30.677 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 91.1857719421
Full duration: 133.454293013



test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+----------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| cinder.create_volume | 7.415 | 9.652  | 10.383 | 10.548 | 10.713 | 9.48  | 100.0%  | 10    |
| cinder.list_volumes  | 0.072 | 0.328  | 0.4    | 0.407  | 0.415  | 0.295 | 100.0%  | 10    |
| total                | 7.76  | 10.022 | 10.706 | 10.88  | 11.054 | 9.775 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 28.0870580673
Full duration: 51.2606179714



test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.521 | 4.03   | 4.785  | 4.869  | 4.953 | 4.19  | 100.0%  | 10    |
| cinder.list_volumes  | 0.062 | 0.347  | 0.411  | 0.426  | 0.44  | 0.308 | 100.0%  | 10    |
| total                | 3.852 | 4.421  | 5.139  | 5.227  | 5.315 | 4.499 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 13.1967639923
Full duration: 35.2137930393



test scenario CinderVolumes.create_and_list_snapshots
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_snapshot | 2.957 | 3.349  | 5.449  | 5.627  | 5.805 | 3.738 | 100.0%  | 10    |
```

```
| cinder.list_snapshots  | 0.028 | 0.304  | 0.348  | 0.382  | 0.416 | 0.213 | 100.0%  | 10    |
| total                  | 3.259 | 3.42   | 5.776  | 5.945  | 6.113 | 3.952 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 10.5537779331
Full duration: 49.7043690681



test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count  |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| cinder.create_volume | 3.281 | 3.907  | 4.106  | 4.128  | 4.15  | 3.806 | 100.0%  | 10     |
| cinder.delete_volume | 0.788 | 2.667  | 3.082  | 3.16   | 3.239 | 2.256 | 100.0%  | 10     |
| total                | 4.617 | 6.29   | 6.997  | 7.066  | 7.135 | 6.063 | 100.0%  | 10     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
Load duration: 18.3220980167
Full duration: 36.1331720352



test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume | 8.901 | 9.932  | 10.338 | 10.395 | 10.452 | 9.781  | 100.0%  | 10    |
| cinder.delete_volume | 0.579 | 1.672  | 2.856  | 2.952  | 3.049  | 1.773  | 100.0%  | 10    |
| total                | 9.725 | 11.645 | 12.996 | 13.017 | 13.039 | 11.554 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 35.517152071
Full duration: 54.0071978569



test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count  |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| cinder.create_volume | 3.596 | 3.887  | 4.71   | 4.712  | 4.715 | 4.08  | 100.0%  | 10     |
| cinder.delete_volume | 0.512 | 0.923  | 1.297  | 2.319  | 3.341 | 1.114 | 100.0%  | 10     |
| total                | 4.381 | 4.91   | 5.923  | 6.573  | 7.223 | 5.195 | 100.0%  | 10     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
Load duration: 15.0102190971
Full duration: 33.4934709072



test scenario CinderVolumes.create_and_upload_volume_to_image
+-------------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+------------------------------+--------+--------+--------+--------+--------+--------+---------+----
| action                       | min    | median | 90%ile | 95%ile | max    | avg    | success | cou
```

```
+------------------------------+--------+--------+--------+--------+--------+--------+---------+----
| cinder.create_volume         | 3.512  | 3.838  | 4.155  | 4.202  | 4.249  | 3.861  | 100.0%  | 10
| cinder.upload_volume_to_image | 16.283 | 24.737 | 33.632 | 38.034 | 42.436 | 26.102 | 100.0%  | 10
| cinder.delete_volume         | 0.583  | 1.719  | 3.056  | 3.165  | 3.274  | 1.853  | 100.0%  | 10
| nova.delete_image            | 2.514  | 2.856  | 13.194 | 14.749 | 16.305 | 5.182  | 100.0%  | 10
| total                        | 23.887 | 34.293 | 49.972 | 51.48  | 52.988 | 36.998 | 100.0%  | 10
+------------------------------+--------+--------+--------+--------+--------+--------+---------+----
Load duration: 107.503821135
Full duration: 129.166619062



test scenario CinderVolumes.create_and_delete_snapshot
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_snapshot | 3.064 | 3.257  | 3.408  | 3.415  | 3.422 | 3.261 | 100.0%  | 10    |
| cinder.delete_snapshot | 2.586 | 2.915  | 3.148  | 3.165  | 3.181 | 2.938 | 100.0%  | 10    |
| total                  | 5.837 | 6.18   | 6.465  | 6.534  | 6.603 | 6.199 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 18.601981163
Full duration: 53.3941659927



test scenario CinderVolumes.create_volume
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.424 | 3.854  | 4.025  | 4.05   | 4.075 | 3.808 | 100.0%  | 10    |
| total                | 3.424 | 3.854  | 4.025  | 4.05   | 4.075 | 3.808 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 11.3824880123
Full duration: 30.7913680077



test scenario CinderVolumes.create_volume
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.391 | 3.979  | 4.585  | 4.6    | 4.616 | 3.999 | 100.0%  | 10    |
| total                | 3.391 | 3.979  | 4.585  | 4.601  | 4.616 | 3.999 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 12.107943058
Full duration: 36.5596921444



test scenario CinderVolumes.list_volumes
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
```

action	min	median	90%ile	95%ile	max	avg	success	count
cinder.list_volumes	0.478	0.562	0.711	0.746	0.781	0.587	100.0%	10
total	0.479	0.562	0.711	0.746	0.781	0.587	100.0%	10

Load duration: 1.79518508911
Full duration: 65.9313700199

test scenario CinderVolumes.create_nested_snapshots_and_attach_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.557	3.914	4.206	4.213	4.22	3.884	100.0%	10
cinder.create_snapshot	2.701	3.063	3.248	3.251	3.254	3.06	100.0%	10
nova.attach_volume	3.75	4.986	6.112	6.385	6.658	5.059	100.0%	10
nova.detach_volume	3.149	3.81	4.11	4.168	4.225	3.762	100.0%	10
cinder.delete_snapshot	2.241	2.766	3.077	3.102	3.128	2.725	100.0%	10
cinder.delete_volume	0.748	2.428	2.712	2.772	2.831	1.912	100.0%	10
total	19.22	21.354	24.347	24.725	25.102	21.684	100.0%	10

Load duration: 64.028840065
Full duration: 186.598311901

test scenario CinderVolumes.create_from_volume_and_delete_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.539	4.149	4.62	4.622	4.623	4.106	100.0%	10
cinder.delete_volume	2.844	3.223	3.604	3.609	3.614	3.235	100.0%	10
total	6.383	7.559	7.85	7.868	7.886	7.341	100.0%	10

Load duration: 21.6859838963
Full duration: 55.5635709763

test scenario CinderVolumes.create_and_extend_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.434	3.852	3.99	4.004	4.018	3.842	100.0%	10
cinder.extend_volume	0.955	2.236	3.552	3.564	3.576	2.281	100.0%	10
cinder.delete_volume	0.868	3.015	3.332	3.398	3.465	2.861	100.0%	10
total	5.962	9.186	10.497	10.52	10.544	8.984	100.0%	10

Load duration: 28.1479110718
Full duration: 47.0005409718

```
test scenario CinderVolumes.create_snapshot_and_attach_volume
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume  | 3.595  | 3.868  | 4.206  | 4.208  | 4.211  | 3.886  | 100.0%  | 10    |
| cinder.create_snapshot| 2.595  | 3.131  | 3.249  | 3.258  | 3.267  | 3.037  | 100.0%  | 10    |
| nova.attach_volume    | 4.101  | 4.563  | 5.363  | 7.225  | 9.087  | 4.928  | 100.0%  | 10    |
| nova.detach_volume    | 3.299  | 3.896  | 4.226  | 4.274  | 4.323  | 3.816  | 100.0%  | 10    |
| cinder.delete_snapshot| 2.27   | 2.573  | 2.884  | 3.105  | 3.325  | 2.635  | 100.0%  | 10    |
| cinder.delete_volume  | 0.611  | 2.479  | 2.742  | 2.863  | 2.983  | 2.239  | 100.0%  | 10    |
| total                 | 19.728 | 21.533 | 22.719 | 24.643 | 26.568 | 21.737 | 100.0%  | 10    |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 62.6771988869
Full duration: 187.817504883



test scenario CinderVolumes.create_snapshot_and_attach_volume
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume  | 3.255  | 3.476  | 4.793  | 4.86   | 4.926  | 3.766  | 100.0%  | 10    |
| cinder.create_snapshot| 2.387  | 2.868  | 3.304  | 3.311  | 3.318  | 2.906  | 100.0%  | 10    |
| nova.attach_volume    | 3.864  | 4.167  | 4.94   | 5.864  | 6.787  | 4.392  | 100.0%  | 10    |
| nova.detach_volume    | 3.699  | 4.047  | 4.388  | 4.408  | 4.428  | 4.066  | 100.0%  | 10    |
| cinder.delete_snapshot| 2.492  | 2.621  | 2.825  | 2.828  | 2.831  | 2.651  | 100.0%  | 10    |
| cinder.delete_volume  | 0.65   | 2.735  | 3.048  | 3.123  | 3.198  | 2.567  | 100.0%  | 10    |
| total                 | 18.915 | 21.629 | 24.215 | 25.025 | 25.835 | 22.025 | 100.0%  | 10    |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 64.388502121
Full duration: 192.928286076



run_rally - INFO - Test scenario: "cinder" OK.

run_rally - INFO - Starting test scenario "heat" ...
run_rally - INFO -
 Preparing input task
 Task  44fe34e1-bd7f-47f7-b4e9-ca32c892d8b5: started
Task 44fe34e1-bd7f-47f7-b4e9-ca32c892d8b5: finished

test scenario HeatStacks.create_suspend_resume_delete_stack
+--------------------------------------------------------------------------------------+
|                                Response Times (sec)                                  |
+--------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+--------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| heat.create_stack  | 4.131 | 4.448  | 4.579  | 4.616  | 4.652  | 4.417 | 100.0%  | 10    |
| heat.suspend_stack | 1.521 | 1.721  | 1.772  | 1.792  | 1.812  | 1.701 | 100.0%  | 10    |
| heat.resume_stack  | 1.454 | 1.625  | 1.703  | 1.708  | 1.713  | 1.63  | 100.0%  | 10    |
| heat.delete_stack  | 1.387 | 1.57   | 2.717  | 2.724  | 2.731  | 1.88  | 100.0%  | 10    |
```

total	8.994	9.448	10.723	10.75	10.777	9.627	100.0%	10

Load duration: 28.125330925
Full duration: 37.9011991024

test scenario HeatStacks.create_and_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	4.098	4.267	4.383	4.452	4.52	4.266	100.0%	10
heat.delete_stack	1.423	1.468	1.536	1.679	1.822	1.505	100.0%	10
total	5.574	5.769	5.922	5.933	5.944	5.77	100.0%	10

Load duration: 17.2579169273
Full duration: 27.4368560314

test scenario HeatStacks.create_and_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	25.037	28.231	29.801	29.828	29.856	27.99	100.0%	10
heat.delete_stack	10.707	11.831	13.046	13.573	14.099	12.249	100.0%	10
total	36.902	40.321	42.736	42.79	42.844	40.24	100.0%	10

Load duration: 119.344232082
Full duration: 129.710185051

test scenario HeatStacks.create_and_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	21.352	24.853	26.526	26.562	26.598	24.433	100.0%	10
heat.delete_stack	9.51	10.67	10.95	11.42	11.889	10.684	100.0%	10
total	31.928	35.457	37.299	37.449	37.598	35.117	100.0%	10

Load duration: 106.840685844
Full duration: 117.40921998

test scenario HeatStacks.list_stacks_and_resources

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	cou

```
| heat.list_stacks                | 0.488 | 0.522  | 0.539  | 0.54   | 0.54  | 0.522 | 100.0%  | 10
| heat.list_resources_of_0_stacks | 0.0   | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 100.0%  | 10
| total                           | 0.488 | 0.522  | 0.539  | 0.54   | 0.541 | 0.522 | 100.0%  | 10
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 1.59450078011
Full duration: 9.86936807632



test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------------+
|                                Response Times (sec)                                       |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 3.845 | 4.214  | 4.356  | 4.377  | 4.397  | 4.193  | 100.0%  | 10    |
| heat.update_stack | 3.558 | 3.774  | 3.853  | 3.855  | 3.857  | 3.726  | 100.0%  | 10    |
| heat.delete_stack | 1.56  | 2.57   | 2.756  | 2.776  | 2.797  | 2.512  | 100.0%  | 10    |
| total             | 9.445 | 10.455 | 10.866 | 10.915 | 10.963 | 10.431 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 31.3620579243
Full duration: 42.2799968719



test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------------+
|                                Response Times (sec)                                       |
+-------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+-------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| heat.create_stack | 4.133 | 4.157  | 4.354  | 4.413  | 4.472  | 4.209 | 100.0%  | 10    |
| heat.update_stack | 3.534 | 3.713  | 3.821  | 3.958  | 4.096  | 3.717 | 100.0%  | 10    |
| heat.delete_stack | 1.383 | 1.402  | 1.736  | 2.156  | 2.575  | 1.556 | 100.0%  | 10    |
| total             | 9.126 | 9.41   | 9.772  | 10.018 | 10.263 | 9.482 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 29.0769648552
Full duration: 39.4647920132



test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------------+
|                                Response Times (sec)                                       |
+-------------------+--------+--------+--------+--------+--------+-------+---------+-------+
| action            | min    | median | 90%ile | 95%ile | max    | avg   | success | count |
+-------------------+--------+--------+--------+--------+--------+-------+---------+-------+
| heat.create_stack | 4.275  | 4.465  | 4.666  | 4.855  | 5.044  | 4.509 | 100.0%  | 10    |
| heat.update_stack | 5.801  | 5.876  | 6.0    | 6.166  | 6.332  | 5.928 | 100.0%  | 10    |
| heat.delete_stack | 2.525  | 2.564  | 3.649  | 3.683  | 3.717  | 2.793 | 100.0%  | 10    |
| total             | 12.743 | 13.005 | 13.996 | 14.01  | 14.023 | 13.23 | 100.0%  | 10    |
+-------------------+--------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 39.5067877769
Full duration: 50.3663468361



test scenario HeatStacks.create_update_delete_stack
```

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	4.517	5.462	5.602	5.608	5.614	5.389	100.0%	10
heat.update_stack	8.345	9.324	9.403	9.411	9.42	9.245	100.0%	10
heat.delete_stack	3.69	3.723	3.746	3.755	3.763	3.725	100.0%	10
total	17.515	18.525	18.645	18.683	18.722	18.36	100.0%	10

Load duration: 54.7039349079
Full duration: 65.6854679585

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	4.122	4.348	4.549	4.597	4.645	4.358	100.0%	10
heat.update_stack	5.791	5.87	5.92	5.932	5.944	5.864	100.0%	10
heat.delete_stack	2.506	2.55	3.704	3.778	3.853	2.791	100.0%	10
total	12.485	12.814	13.98	14.075	14.169	13.013	100.0%	10

Load duration: 38.5906641483
Full duration: 49.8386061192

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	4.062	4.33	4.493	4.501	4.508	4.317	100.0%	10
heat.update_stack	3.553	3.585	3.783	3.936	4.088	3.648	100.0%	10
heat.delete_stack	1.376	1.418	2.552	2.555	2.558	1.856	100.0%	10
total	9.179	9.535	10.607	10.678	10.749	9.822	100.0%	10

Load duration: 29.5593960285
Full duration: 40.873290062

test scenario HeatStacks.create_and_list_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	4.105	4.264	4.394	4.43	4.466	4.276	100.0%	10
heat.list_stacks	0.062	0.103	0.113	0.116	0.119	0.096	100.0%	10
total	4.18	4.373	4.501	4.531	4.561	4.371	100.0%	10

Load duration: 13.1703698635

```
Full duration: 29.690456152



test scenario HeatStacks.create_check_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack  | 4.194 | 4.357  | 4.595  | 4.64   | 4.684 | 4.393 | 100.0%  | 10    |
| heat.check_stack   | 1.511 | 1.542  | 1.627  | 1.753  | 1.88  | 1.58  | 100.0%  | 10    |
| heat.delete_stack  | 1.402 | 2.55   | 2.707  | 2.749  | 2.791 | 2.257 | 100.0%  | 10    |
| total              | 7.411 | 8.429  | 8.66   | 8.745  | 8.829 | 8.23  | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 24.4679090977
Full duration: 35.6907479763



run_rally - INFO - Test scenario: "heat" OK.

run_rally - INFO - Starting test scenario "keystone" ...
run_rally - INFO -
 Preparing input task
 Task  416065d0-3811-4bee-9b53-37743e1f179c: started
Task 416065d0-3811-4bee-9b53-37743e1f179c: finished

test scenario KeystoneBasic.create_tenant_with_users
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.285 | 0.297  | 0.328  | 0.336  | 0.343 | 0.305 | 100.0%  | 10    |
| keystone.create_users  | 1.651 | 1.673  | 1.73   | 1.749  | 1.768 | 1.688 | 100.0%  | 10    |
| total                  | 1.952 | 1.986  | 2.027  | 2.061  | 2.095 | 1.993 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 5.98874807358
Full duration: 22.4405510426



test scenario KeystoneBasic.create_add_and_list_user_roles
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_role | 0.287 | 0.308  | 0.404  | 0.428  | 0.452 | 0.331 | 100.0%  | 10    |
| keystone.add_role    | 0.276 | 0.31   | 0.371  | 0.379  | 0.388 | 0.319 | 100.0%  | 10    |
| keystone.list_roles  | 0.137 | 0.151  | 0.175  | 0.207  | 0.239 | 0.16  | 100.0%  | 10    |
| total                | 0.732 | 0.775  | 0.951  | 0.962  | 0.972 | 0.809 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.38230800629
Full duration: 15.068157196
```

test scenario KeystoneBasic.add_and_remove_user_role

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_role	0.263	0.3	0.41	0.455	0.499	0.336	100.0%	10
keystone.add_role	0.265	0.28	0.342	0.405	0.468	0.302	100.0%	10
keystone.remove_role	0.151	0.182	0.347	0.35	0.354	0.226	100.0%	10
total	0.713	0.844	1.002	1.019	1.036	0.864	100.0%	10

Load duration: 2.52822303772
Full duration: 15.38514781

test scenario KeystoneBasic.create_update_and_delete_tenant

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.267	0.354	0.411	0.421	0.432	0.346	100.0%	10
keystone.update_tenant	0.139	0.15	0.185	0.223	0.262	0.164	100.0%	10
keystone.delete_tenant	0.302	0.333	0.418	0.448	0.477	0.35	100.0%	10
total	0.738	0.879	0.917	0.961	1.006	0.86	100.0%	10

Load duration: 2.55070900917
Full duration: 14.2816069126

test scenario KeystoneBasic.create_and_delete_service

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_service	0.279	0.303	0.408	0.41	0.412	0.322	100.0%	10
keystone.delete_service	0.15	0.168	0.188	0.192	0.196	0.169	100.0%	10
total	0.443	0.471	0.584	0.594	0.604	0.491	100.0%	10

Load duration: 1.47291088104
Full duration: 12.6235470772

test scenario KeystoneBasic.create_tenant

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.274	0.302	0.315	0.324	0.334	0.301	100.0%	10
total	0.274	0.302	0.315	0.325	0.334	0.301	100.0%	10

Load duration: 0.926929950714
Full duration: 9.11541318893

test scenario KeystoneBasic.create_user

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_user	0.285	0.312	0.353	0.392	0.431	0.323	100.0%	10
total	0.285	0.313	0.353	0.392	0.431	0.323	100.0%	10

Load duration: 1.09427213669
Full duration: 9.44248485565

test scenario KeystoneBasic.create_and_list_tenants

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.276	0.302	0.312	0.315	0.318	0.299	100.0%	10
keystone.list_tenants	0.133	0.141	0.147	0.149	0.15	0.141	100.0%	10
total	0.416	0.441	0.462	0.463	0.463	0.44	100.0%	10

Load duration: 1.356580019
Full duration: 14.5843369961

test scenario KeystoneBasic.create_and_delete_role

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_role	0.271	0.306	0.517	0.532	0.547	0.37	100.0%	10
keystone.delete_role	0.295	0.305	0.621	0.655	0.689	0.401	100.0%	10
total	0.572	0.743	0.991	1.076	1.16	0.771	100.0%	10

Load duration: 2.24743795395
Full duration: 14.336769104

test scenario KeystoneBasic.get_entities

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.284	0.313	0.395	0.4	0.405	0.328	100.0%	10
keystone.create_user	0.141	0.155	0.176	0.176	0.177	0.159	100.0%	10
keystone.create_role	0.136	0.155	0.173	0.209	0.245	0.16	100.0%	10
keystone.get_tenant	0.124	0.132	0.143	0.144	0.144	0.133	100.0%	10
keystone.get_user	0.124	0.141	0.232	0.234	0.237	0.158	100.0%	10
keystone.get_role	0.122	0.125	0.142	0.144	0.147	0.129	100.0%	10

```
| keystone.service_list  | 0.121 | 0.13   | 0.138  | 0.139  | 0.139 | 0.13  | 100.0%  | 10    |
| keystone.get_service   | 0.118 | 0.132  | 0.158  | 0.16   | 0.161 | 0.136 | 100.0%  | 10    |
| total                  | 1.253 | 1.315  | 1.403  | 1.449  | 1.495 | 1.334 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.18330001831
Full duration: 21.2465929985



test scenario KeystoneBasic.create_and_list_users
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_user | 0.27  | 0.324  | 0.381  | 0.409  | 0.436 | 0.33  | 100.0%  | 10    |
| keystone.list_users  | 0.125 | 0.142  | 0.183  | 0.233  | 0.283 | 0.157 | 100.0%  | 10    |
| total                | 0.409 | 0.47   | 0.53   | 0.625  | 0.719 | 0.487 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.41358304024
Full duration: 9.46058607101



run_rally - INFO - Test scenario: "keystone" OK.

run_rally - INFO - Starting test scenario "neutron" ...
run_rally - INFO -
 Preparing input task
 Task  66bee4c3-3b3f-4215-9910-63425b400d9a: started
Task 66bee4c3-3b3f-4215-9910-63425b400d9a: finished

test scenario NeutronNetworks.create_and_delete_ports
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_port  | 0.762 | 0.83   | 0.953  | 0.983  | 1.014 | 0.858 | 100.0%  | 10    |
| neutron.delete_port  | 0.224 | 0.62   | 0.763  | 0.78   | 0.797 | 0.582 | 100.0%  | 10    |
| total                | 1.011 | 1.549  | 1.599  | 1.603  | 1.607 | 1.441 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.14246201515
Full duration: 53.9938690662



test scenario NeutronNetworks.create_and_list_routers
+-------------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+------------------------------+-------+--------+--------+--------+-------+-------+---------+--------
| action                       | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+------------------------------+-------+--------+--------+--------+-------+-------+---------+--------
| neutron.create_subnet        | 0.718 | 0.792  | 0.884  | 0.89   | 0.895 | 0.801 | 100.0%  | 10
| neutron.create_router        | 0.435 | 0.451  | 0.555  | 0.56   | 0.565 | 0.474 | 100.0%  | 10
| neutron.add_interface_router | 0.341 | 0.776  | 1.004  | 1.11   | 1.215 | 0.789 | 100.0%  | 10
| neutron.list_routers         | 0.066 | 0.42   | 0.477  | 0.491  | 0.505 | 0.367 | 100.0%  | 10
| total                        | 1.661 | 2.48   | 2.738  | 2.797  | 2.855 | 2.431 | 100.0%  | 10
```

```
+------------------------------+-------+--------+--------+--------+-------+-------+---------+-------
Load duration: 7.12932991982
Full duration: 59.6318800449



test scenario NeutronNetworks.create_and_delete_routers
+-------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
| neutron.create_subnet          | 0.739 | 0.812  | 0.936  | 0.949  | 0.963 | 0.833 | 100.0%  | 10
| neutron.create_router          | 0.073 | 0.467  | 0.548  | 0.564  | 0.58  | 0.447 | 100.0%  | 10
| neutron.add_interface_router   | 0.32  | 0.758  | 0.881  | 0.901  | 0.92  | 0.737 | 100.0%  | 10
| neutron.remove_interface_router| 0.632 | 0.723  | 0.767  | 0.788  | 0.808 | 0.719 | 100.0%  | 10
| neutron.delete_router          | 0.575 | 0.622  | 0.72   | 0.74   | 0.759 | 0.639 | 100.0%  | 10
| total                          | 2.939 | 3.398  | 3.635  | 3.725  | 3.814 | 3.375 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
Load duration: 10.4781250954
Full duration: 61.2645328045



test scenario NeutronNetworks.create_and_list_ports
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_port | 0.728 | 0.859  | 0.909  | 0.944  | 0.978 | 0.857 | 100.0%  | 10    |
| neutron.list_ports  | 0.52  | 0.599  | 0.71   | 0.735  | 0.76  | 0.618 | 100.0%  | 10    |
| total               | 1.37  | 1.459  | 1.597  | 1.611  | 1.624 | 1.475 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.50073218346
Full duration: 55.2021510601



test scenario NeutronNetworks.create_and_delete_subnets
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet| 0.749 | 0.788  | 0.939  | 0.956  | 0.972 | 0.824 | 100.0%  | 10    |
| neutron.delete_subnet| 0.556 | 0.673  | 0.778  | 0.819  | 0.859 | 0.687 | 100.0%  | 10    |
| total                | 1.361 | 1.521  | 1.693  | 1.697  | 1.702 | 1.511 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.66956591606
Full duration: 54.1284301281



test scenario NeutronNetworks.create_and_delete_networks
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_network	0.62	0.643	0.756	0.784	0.812	0.672	100.0%	10
neutron.delete_network	0.481	0.54	0.616	0.686	0.756	0.558	100.0%	10
total	1.101	1.206	1.363	1.377	1.391	1.23	100.0%	10

Load duration: 3.73822879791
Full duration: 33.2811751366

test scenario NeutronNetworks.create_and_list_networks

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_network	0.583	0.675	0.782	0.782	0.783	0.691	100.0%	10
neutron.list_networks	0.058	0.395	0.517	0.522	0.528	0.364	100.0%	10
total	0.834	1.066	1.187	1.242	1.298	1.055	100.0%	10

Load duration: 3.09279990196
Full duration: 33.633177042

test scenario NeutronNetworks.create_and_update_routers

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.713	0.8	0.903	0.913	0.922	0.811	100.0%	10
neutron.create_router	0.434	0.449	0.476	0.497	0.519	0.458	100.0%	10
neutron.add_interface_router	0.666	0.749	0.912	0.954	0.996	0.791	100.0%	10
neutron.update_router	0.222	0.579	0.659	0.678	0.697	0.556	100.0%	10
total	2.156	2.643	2.768	2.799	2.83	2.617	100.0%	10

Load duration: 7.76268601418
Full duration: 57.6214001179

test scenario NeutronNetworks.create_and_update_networks

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_network	0.606	0.672	0.761	0.785	0.81	0.681	100.0%	10
neutron.update_network	0.137	0.518	0.538	0.542	0.547	0.482	100.0%	10
total	0.893	1.183	1.261	1.288	1.315	1.164	100.0%	10

Load duration: 3.59189605713
Full duration: 34.8437690735

```
test scenario NeutronNetworks.create_and_update_ports
+-----------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_port | 0.738 | 0.792  | 0.889  | 0.921  | 0.952 | 0.815 | 100.0%  | 10    |
| neutron.update_port | 0.161 | 0.551  | 0.596  | 0.6    | 0.605 | 0.516 | 100.0%  | 10    |
| total               | 1.044 | 1.339  | 1.429  | 1.482  | 1.536 | 1.331 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.11195087433
Full duration: 53.0145220757



test scenario NeutronNetworks.create_and_list_subnets
+-----------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet | 0.703 | 0.748  | 0.832  | 0.861  | 0.89  | 0.764 | 100.0%  | 10    |
| neutron.list_subnets  | 0.054 | 0.396  | 0.445  | 0.479  | 0.513 | 0.374 | 100.0%  | 10    |
| total                | 0.757 | 1.159  | 1.256  | 1.272  | 1.287 | 1.138 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.5137629509
Full duration: 52.7622568607



test scenario NeutronNetworks.create_and_update_subnets
+-----------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet | 0.742 | 0.813  | 0.947  | 0.948  | 0.949 | 0.838 | 100.0%  | 10    |
| neutron.update_subnet | 0.234 | 0.583  | 0.695  | 0.696  | 0.696 | 0.58  | 100.0%  | 10    |
| total                | 1.043 | 1.427  | 1.587  | 1.596  | 1.604 | 1.418 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.36762094498
Full duration: 54.1341950893



run_rally - INFO - Test scenario: "neutron" OK.

run_rally - INFO - Starting test scenario "nova" ...
run_rally - INFO -
 Preparing input task
 Task  c631be68-64eb-462f-af72-0946f649719e: started
Task c631be68-64eb-462f-af72-0946f649719e: finished

test scenario NovaKeypair.create_and_delete_keypair
+-----------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
```

nova.create_keypair	0.689	0.825	1.389	1.414	1.439	0.956	100.0%	10
nova.delete_keypair	0.034	0.045	0.058	0.058	0.059	0.046	100.0%	10
total	0.734	0.868	1.43	1.458	1.487	1.002	100.0%	10

Load duration: 2.95623397827
Full duration: 43.0288610458

test scenario NovaServers.snapshot_server

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	13.069	14.075	14.775	15.063	15.35	14.118	100.0%	10
nova.create_image	10.992	11.363	11.948	12.03	12.112	11.402	100.0%	10
nova.delete_server	2.878	3.026	3.413	3.454	3.495	3.121	100.0%	10
nova.boot_server (2)	10.807	12.891	14.009	14.098	14.188	12.932	100.0%	10
nova.delete_server (2)	2.914	3.356	4.738	4.974	5.21	3.557	100.0%	10
nova.delete_image	2.769	3.227	3.659	3.685	3.711	3.238	100.0%	10
total	44.842	48.482	49.94	50.257	50.573	48.369	100.0%	10

Load duration: 145.116047144
Full duration: 218.130707026

test scenario NovaKeypair.boot_and_delete_server_with_keypair

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
nova.create_keypair	0.67	0.815	1.452	1.483	1.515	0.945	100.0%	10
nova.boot_server	11.229	12.914	14.714	15.148	15.581	13.075	100.0%	10
nova.delete_server	2.87	3.313	3.4	3.451	3.502	3.214	100.0%	10
nova.delete_keypair	0.034	0.048	0.056	0.056	0.057	0.046	100.0%	10
total	15.3	17.062	18.916	19.109	19.302	17.281	100.0%	10

Load duration: 51.5624389648
Full duration: 121.866284132

test scenario NovaKeypair.create_and_list_keypairs

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
nova.create_keypair	0.681	0.825	1.368	1.468	1.568	0.975	100.0%	10
nova.list_keypairs	0.021	0.027	0.038	0.038	0.039	0.03	100.0%	10
total	0.715	0.855	1.394	1.494	1.593	1.005	100.0%	10

Load duration: 3.00225996971
Full duration: 44.8396139145

test scenario NovaServers.list_servers

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.list_servers	1.385	1.648	1.794	1.8	1.806	1.64	100.0%	10
total	1.386	1.648	1.794	1.8	1.807	1.64	100.0%	10

Load duration: 4.86725592613
Full duration: 144.563478947

test scenario NovaServers.resize_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	11.794	13.235	14.683	15.23	15.778	13.569	100.0%	10
nova.resize	40.775	43.909	47.803	47.888	47.973	44.294	100.0%	10
nova.resize_confirm	2.664	3.406	5.701	5.894	6.087	3.777	100.0%	10
nova.delete_server	2.831	2.964	3.671	4.355	5.038	3.264	100.0%	10
total	59.51	64.72	68.963	69.477	69.991	64.905	100.0%	10

Load duration: 193.15106678
Full duration: 234.439800978

test scenario NovaServers.boot_server_from_volume_and_delete

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	9.703	10.351	11.374	12.306	13.237	10.631	100.0%	10
nova.boot_server	13.02	14.474	15.965	16.121	16.276	14.667	100.0%	10
nova.delete_server	3.826	5.813	5.967	6.081	6.196	5.561	100.0%	10
total	27.612	30.787	32.582	32.736	32.891	30.859	100.0%	10

Load duration: 92.1244728565
Full duration: 176.439888954

test scenario NovaServers.boot_and_migrate_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	12.068	13.808	14.866	14.966	15.067	13.788	100.0%	10
nova.stop_server	4.417	6.774	7.032	7.224	7.416	6.512	100.0%	10
nova.migrate	10.786	11.454	11.957	11.999	12.04	11.487	100.0%	10

```
| nova.resize_confirm | 3.328  | 3.614  | 3.822  | 3.905  | 3.988  | 3.621  | 100.0%  | 10    |
| nova.delete_server  | 2.862  | 3.057  | 3.364  | 3.454  | 3.544  | 3.116  | 100.0%  | 10    |
| total               | 34.85  | 38.711 | 40.179 | 40.344 | 40.508 | 38.525 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 115.221567869
Full duration: 156.790792227



test scenario NovaServers.boot_and_delete_server
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server   | 12.492 | 13.618 | 14.995 | 15.0   | 15.004 | 13.701 | 100.0%  | 10    |
| nova.delete_server | 2.88   | 3.033  | 3.371  | 3.49   | 3.61   | 3.125  | 100.0%  | 10    |
| total              | 15.773 | 16.838 | 17.914 | 18.089 | 18.264 | 16.827 | 100.0%  | 10    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 50.1218390465
Full duration: 119.306482077



test scenario NovaServers.boot_and_rebuild_server
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server    | 12.196 | 13.798 | 15.074 | 15.293 | 15.511 | 13.812 | 100.0%  | 10    |
| nova.rebuild_server | 12.036 | 13.891 | 15.523 | 15.599 | 15.676 | 13.972 | 100.0%  | 10    |
| nova.delete_server  | 2.645  | 3.268  | 3.55   | 3.589  | 3.628  | 3.208  | 100.0%  | 10    |
| total               | 28.349 | 31.175 | 32.771 | 33.141 | 33.511 | 30.993 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 92.8703818321
Full duration: 164.587569952



test scenario NovaSecGroup.create_and_list_secgroups
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------------------+--------+--------+--------+--------+--------+--------+---------+---
| action                         | min    | median | 90%ile | 95%ile | max    | avg    | success | co
+--------------------------------+--------+--------+--------+--------+--------+--------+---------+---
| nova.create_10_security_groups | 4.388  | 5.032  | 5.224  | 5.25   | 5.277  | 4.975  | 100.0%  | 10
| nova.create_100_rules          | 42.993 | 44.613 | 45.762 | 45.785 | 45.808 | 44.39  | 100.0%  | 10
| nova.list_security_groups      | 0.153  | 0.195  | 0.36   | 0.486  | 0.613  | 0.251  | 100.0%  | 10
| total                          | 48.225 | 50.01  | 50.441 | 50.635 | 50.83  | 49.616 | 100.0%  | 10
+--------------------------------+--------+--------+--------+--------+--------+--------+---------+---
Load duration: 149.417917013
Full duration: 217.353839159



test scenario NovaSecGroup.create_and_delete_secgroups
+-------------------------------------------------------------------------------------------+
```

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	co
nova.create_10_security_groups	4.382	5.191	5.496	5.608	5.72	5.12	100.0%	10
nova.create_100_rules	43.059	44.368	45.778	46.029	46.28	44.458	100.0%	10
nova.delete_10_security_groups	1.662	2.265	2.495	2.664	2.832	2.215	100.0%	10
total	50.772	51.601	53.26	53.294	53.327	51.794	100.0%	10

Load duration: 156.369856119
Full duration: 199.137834787

test scenario NovaServers.boot_and_bounce_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	12.013	14.52	15.332	15.8	16.267	14.249	100.0%	10
nova.reboot_server	5.223	6.071	6.385	6.462	6.539	5.987	100.0%	10
nova.soft_reboot_server	5.766	8.423	8.806	9.002	9.198	8.214	100.0%	10
nova.stop_server	3.892	6.503	7.587	10.894	14.201	6.898	100.0%	10
nova.start_server	3.432	4.687	5.177	5.424	5.672	4.587	100.0%	10
nova.rescue_server	7.9	8.519	9.688	10.196	10.703	8.724	100.0%	10
nova.unrescue_server	5.091	5.518	5.836	6.131	6.426	5.577	100.0%	10
nova.delete_server	2.495	2.921	3.469	3.516	3.563	2.974	100.0%	10
total	53.649	57.305	59.111	60.626	62.142	57.23	100.0%	10

Load duration: 174.621170044
Full duration: 245.828352928

test scenario NovaServers.boot_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	13.233	14.359	15.326	15.425	15.523	14.261	100.0%	10
total	13.234	14.359	15.326	15.425	15.523	14.261	100.0%	10

Load duration: 42.6567699909
Full duration: 99.771146059

test scenario NovaSecGroup.boot_and_delete_server_with_secgroups

Response Times (sec)							
action	min	median	90%ile	95%ile	max	avg	success
nova.create_10_security_groups	4.306	4.999	5.282	5.289	5.296	4.937	100.0%
nova.create_100_rules	41.795	43.955	45.983	46.201	46.418	44.135	100.0%
nova.boot_server	10.075	11.651	12.302	13.061	13.82	11.534	100.0%

```
| nova.get_attached_security_groups | 0.217  | 0.249  | 0.568  | 0.572  | 0.577  | 0.338  | 100.0%
| nova.delete_server                | 2.469  | 2.619  | 2.937  | 3.034  | 3.131  | 2.712  | 100.0%
| nova.delete_10_security_groups    | 1.574  | 1.878  | 2.55   | 2.704  | 2.858  | 2.053  | 100.0%
| total                             | 63.097 | 65.905 | 66.858 | 67.329 | 67.8   | 65.71  | 100.0%
+-----------------------------------+--------+--------+--------+--------+--------+--------+----------
Load duration: 195.037164927
Full duration: 263.490648985



test scenario NovaServers.pause_and_unpause_server
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server    | 12.325 | 13.238 | 14.398 | 14.542 | 14.687 | 13.373 | 100.0%  | 10    |
| nova.pause_server   | 2.412  | 2.986  | 3.177  | 3.205  | 3.233  | 2.946  | 100.0%  | 10    |
| nova.unpause_server | 2.824  | 3.169  | 3.325  | 3.392  | 3.459  | 3.13   | 100.0%  | 10    |
| nova.delete_server  | 2.501  | 3.244  | 3.557  | 3.634  | 3.71   | 3.233  | 100.0%  | 10    |
| total               | 21.499 | 22.307 | 24.0   | 24.022 | 24.043 | 22.682 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 67.2968730927
Full duration: 134.783083916



test scenario NovaServers.boot_server_from_volume
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume | 9.885  | 10.866 | 11.617 | 11.636 | 11.655 | 10.841 | 100.0%  | 10    |
| nova.boot_server     | 13.236 | 14.774 | 15.766 | 16.126 | 16.486 | 14.693 | 100.0%  | 10    |
| total                | 23.437 | 25.64  | 27.197 | 27.213 | 27.23  | 25.534 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 78.3072631359
Full duration: 145.979751825



test scenario NovaServers.boot_and_list_server
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action            | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server  | 12.745 | 14.15  | 15.755 | 15.872 | 15.99  | 14.143 | 100.0%  | 10    |
| nova.list_servers | 0.579  | 0.977  | 1.114  | 1.158  | 1.203  | 0.926  | 100.0%  | 10    |
| total             | 13.49  | 14.979 | 16.933 | 16.94  | 16.947 | 15.07  | 100.0%  | 10    |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 46.7471969128
Full duration: 130.989289045



run_rally - INFO - Test scenario: "nova" OK.
```

```
run_rally - INFO - Starting test scenario "quotas" ...
run_rally - INFO -
 Preparing input task
 Task  09c70711-40eb-4c85-8b87-c0c081222b0d: started
Task 09c70711-40eb-4c85-8b87-c0c081222b0d: finished

test scenario Quotas.cinder_update
+----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+-------+------+---------+--------+
| action               | min   | median | 90%ile | 95%ile | max   | avg  | success | count |
+----------------------+-------+--------+--------+--------+-------+------+---------+--------+
| quotas.update_quotas | 1.123 | 1.192  | 1.297  | 1.331  | 1.365 | 1.21 | 100.0%  | 10    |
| total                | 1.123 | 1.192  | 1.297  | 1.331  | 1.365 | 1.21 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+------+---------+--------+
Load duration: 3.62791609764
Full duration: 16.2237439156



test scenario Quotas.neutron_update
+----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| quotas.update_quotas | 0.396 | 0.426  | 0.572  | 0.581  | 0.591 | 0.464 | 100.0%  | 10    |
| total                | 0.553 | 0.575  | 0.773  | 0.834  | 0.896 | 0.64  | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
Load duration: 1.80940699577
Full duration: 13.0895729065



test scenario Quotas.cinder_update_and_delete
+----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| quotas.update_quotas | 1.145 | 1.182  | 1.365  | 1.407  | 1.449 | 1.234 | 100.0%  | 10    |
| quotas.delete_quotas | 0.543 | 0.933  | 1.011  | 1.032  | 1.053 | 0.873 | 100.0%  | 10    |
| total                | 1.723 | 2.095  | 2.413  | 2.435  | 2.456 | 2.107 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
Load duration: 6.34634900093
Full duration: 18.2702391148



test scenario Quotas.nova_update_and_delete
+----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| quotas.update_quotas | 0.544 | 0.621  | 0.695  | 0.705  | 0.716 | 0.619 | 100.0%  | 10    |
| quotas.delete_quotas | 0.017 | 0.023  | 0.028  | 0.028  | 0.029 | 0.024 | 100.0%  | 10    |
| total                | 0.569 | 0.642  | 0.713  | 0.726  | 0.739 | 0.643 | 100.0%  | 10    |
```

```
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.95026016235
Full duration: 13.2278659344



test scenario Quotas.nova_update
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.571 | 0.647  | 0.664  | 0.692  | 0.719 | 0.643 | 100.0%  | 10    |
| total                | 0.571 | 0.647  | 0.664  | 0.692  | 0.719 | 0.644 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.94177007675
Full duration: 13.6731410027



run_rally - INFO - Test scenario: "quotas" OK.

run_rally - INFO - Starting test scenario "requests" ...
run_rally - INFO -
 Preparing input task
 Task  ee8c572e-1240-4996-a06f-801592da0277: started
Task ee8c572e-1240-4996-a06f-801592da0277: finished

test scenario HttpRequests.check_random_request
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| requests.check_request | 0.047 | 0.201  | 0.383  | 0.384  | 0.386 | 0.214 | 100.0%  | 10    |
| total                 | 0.047 | 0.201  | 0.383  | 0.384  | 0.386 | 0.214 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.791751146317
Full duration: 5.66926693916



test scenario HttpRequests.check_request
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| requests.check_request | 0.044 | 0.046  | 0.052  | 0.052  | 0.053 | 0.048 | 100.0%  | 10    |
| total                 | 0.044 | 0.046  | 0.052  | 0.052  | 0.053 | 0.048 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.181750059128
Full duration: 5.16227507591



run_rally - INFO - Test scenario: "requests" OK.
```

```
run_rally - INFO -


                     Rally Summary Report
+==================+============+===============+===========+
| Module           | Duration   | nb. Test Run  | Success   |
+==================+============+===============+===========+
| authenticate     | 00:59      | 10            | 100.00%   |
+------------------+------------+---------------+-----------+
| glance           | 03:38      | 7             | 100.00%   |
+------------------+------------+---------------+-----------+
| cinder           | 22:59      | 50            | 100.00%   |
+------------------+------------+---------------+-----------+
| heat             | 11:16      | 35            | 100.00%   |
+------------------+------------+---------------+-----------+
| keystone         | 02:37      | 29            | 100.00%   |
+------------------+------------+---------------+-----------+
| neutron          | 10:03      | 31            | 100.00%   |
+------------------+------------+---------------+-----------+
| nova             | 47:41      | 61            | 100.00%   |
+------------------+------------+---------------+-----------+
| quotas           | 01:14      | 7             | 100.00%   |
+------------------+------------+---------------+-----------+
| requests         | 00:10      | 2             | 100.00%   |
+------------------+------------+---------------+-----------+
+==================+============+===============+===========+
| TOTAL:           | 01:40:41   | 232           | 100.00%   |
+==================+============+===============+===========+
```

3.13 Feature tests

3.13.1 vIMS

```
FUNCTEST.info: Running vIMS test...
vIMS - INFO - Prepare OpenStack plateform (create tenant and user)
vIMS - INFO - Update OpenStack creds informations
vIMS - INFO - Upload some OS images if it doesn't exist
vIMS - INFO - centos_7 image doesn't exist on glance repository.
                          Try downloading this image and upload on glance !
vIMS - INFO - ubuntu_14.04 image doesn't exist on glance repository.
                          Try downloading this image and upload on glance !
vIMS - INFO - Update security group quota for this tenant
vIMS - INFO - Update cinder quota for this tenant
vIMS - INFO - Collect flavor id for cloudify manager server
vIMS - INFO - Prepare virtualenv for cloudify-cli
vIMS - INFO - Downloading the cloudify manager server blueprint
vIMS - INFO - Cloudify deployment Start Time:'2016-02-19 05:44:47'
vIMS - INFO - Writing the inputs file
vIMS - INFO - Launching the cloudify-manager deployment
vIMS - INFO - Cloudify-manager server is UP !
vIMS - INFO - Cloudify deployment duration:'1149.9'
vIMS - INFO - Collect flavor id for all clearwater vm
vIMS - INFO - vIMS VNF deployment Start Time:'2016-02-19 06:04:00'
vIMS - INFO - Downloading the openstack-blueprint.yaml blueprint
vIMS - INFO - Writing the inputs file
```

```
vIMS - INFO - Launching the clearwater deployment
vIMS - INFO - The deployment of clearwater-opnfv is ended
vIMS - INFO - vIMS VNF deployment duration:'1133.8'
vIMS - INFO - vIMS functional test Start Time:'2016-02-19 06:25:59'
vIMS - INFO - vIMS functional test duration:'2.9'
vIMS - INFO - Launching the clearwater-opnfv undeployment
vIMS - ERROR - Error when executing command /bin/bash -c 'source /home/opnfv/functest/data/vIMS/venv_
vIMS - INFO - Launching the cloudify-manager undeployment
vIMS - INFO - Cloudify-manager server has been successfully removed!
vIMS - INFO - Removing vIMS tenant ..
vIMS - INFO - Removing vIMS user ..
```

3.13.2 Promise


```
FUNCTEST.info: Running PROMISE test case...
Promise- INFO - Creating tenant 'promise'...
Promise- INFO - Adding role '9d0a0a36d3d54cdcb4cd3c29c5f79a28' to tenant 'promise'...
Promise- INFO - Creating user 'promiser'...
Promise- INFO - Updating OpenStack credentials...
Promise- INFO - Creating image 'promise-img' from '/home/opnfv/functest/data/cirros-0.3.4-x86_64-disk
Promise- INFO - Creating flavor 'promise-flavor'...
Promise- INFO - Exporting environment variables...
Promise- INFO - Running command: npm run -s test -- --reporter json
Promise- INFO - The test succeeded.
Promise- DEBUG -
{
  "stats": {
    "suites": 23,
    "tests": 33,
    "passes": 33,
    "pending": 0,
    "failures": 0,
    "start": "2016-02-18T13:37:06.661Z",
    "end": "2016-02-18T13:37:12.962Z",
    "duration": 5524
  },
  "tests": [
    {
      "title": "should add a new OpenStack provider without error",
      "fullTitle": "promise register OpenStack into resource pool add-provider should add a new OpenS
      "duration": 1217,
      "err": {}
    },
    {
      "title": "should update promise.providers with a new entry",
      "fullTitle": "promise register OpenStack into resource pool add-provider should update promise
      "duration": 10,
      "err": {}
    },
    {
      "title": "should contain a new ResourceProvider record in the store",
      "fullTitle": "promise register OpenStack into resource pool add-provider should contain a new R
      "duration": 0,
      "err": {}
    },
    {
```

```
      "title": "should add more capacity to the reservation service without error",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should add more c
      "duration": 25,
      "err": {}
    },
    {
      "title": "should update promise.pools with a new entry",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should update pro
      "duration": 1,
      "err": {}
    },
    {
      "title": "should contain a ResourcePool record in the store",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should contain a
      "duration": 0,
      "err": {}
    },
    {
      "title": "should report total collections and utilizations",
      "fullTitle": "promise register OpenStack into resource pool query-capacity should report total
      "duration": 18,
      "err": {}
    },
    {
      "title": "should contain newly added capacity pool",
      "fullTitle": "promise register OpenStack into resource pool query-capacity should contain newly
      "duration": 8,
      "err": {}
    },
    {
      "title": "should create a new server in target provider without error",
      "fullTitle": "promise allocation without reservation create-instance should create a new server
      "duration": 1768,
      "err": {}
    },
    {
      "title": "should update promise.allocations with a new entry",
      "fullTitle": "promise allocation without reservation create-instance should update promise.allo
      "duration": 2,
      "err": {}
    },
    {
      "title": "should contain a new ResourceAllocation record in the store",
      "fullTitle": "promise allocation without reservation create-instance should contain a new Resou
      "duration": 0,
      "err": {}
    },
    {
      "title": "should reference the created server ID from the provider",
      "fullTitle": "promise allocation without reservation create-instance should reference the creat
      "duration": 1,
      "err": {}
    },
    {
      "title": "should have low priority state",
      "fullTitle": "promise allocation without reservation create-instance should have low priority s
      "duration": 0,
      "err": {}
```

```
    },
    {
      "title": "should create reservation record (no start/end) without error",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 41,
      "err": {}
    },
    {
      "title": "should update promise.reservations with a new entry",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 7,
      "err": {}
    },
    {
      "title": "should contain a new ResourceReservation record in the store",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create a new server in target provider (with reservation) without error",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should cre
      "duration": 1617,
      "err": {}
    },
    {
      "title": "should contain a new ResourceAllocation record in the store",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should cor
      "duration": 1,
      "err": {}
    },
    {
      "title": "should be referenced in the reservation record",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should be
      "duration": 7,
      "err": {}
    },
    {
      "title": "should have high priority state",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should hav
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create reservation record (for future) without error",
      "fullTitle": "promise reservation for future use create-reservation should create reservation r
      "duration": 75,
      "err": {}
    },
    {
      "title": "should update promise.reservations with a new entry",
      "fullTitle": "promise reservation for future use create-reservation should update promise.reser
      "duration": 17,
      "err": {}
    },
    {
      "title": "should contain a new ResourceReservation record in the store",
      "fullTitle": "promise reservation for future use create-reservation should contain a new Resour
```

```
    "duration": 0,
    "err": {}
  },
  {
    "title": "should contain newly created future reservation",
    "fullTitle": "promise reservation for future use query-reservation should contain newly created
    "duration": 61,
    "err": {}
  },
  {
    "title": "should modify existing reservation without error",
    "fullTitle": "promise reservation for future use update-reservation should modify existing rese
    "duration": 65,
    "err": {}
  },
  {
    "title": "should modify existing reservation without error",
    "fullTitle": "promise reservation for future use cancel-reservation should modify existing rese
    "duration": 17,
    "err": {}
  },
  {
    "title": "should no longer contain record of the deleted reservation",
    "fullTitle": "promise reservation for future use cancel-reservation should no longer contain re
    "duration": 0,
    "err": {}
  },
  {
    "title": "should decrease available capacity from a provider in the future",
    "fullTitle": "promise capacity planning decrease-capacity should decrease available capacity fr
    "duration": 15,
    "err": {}
  },
  {
    "title": "should increase available capacity from a provider in the future",
    "fullTitle": "promise capacity planning increase-capacity should increase available capacity fr
    "duration": 11,
    "err": {}
  },
  {
    "title": "should report available collections and utilizations",
    "fullTitle": "promise capacity planning query-capacity should report available collections and
    "duration": 56,
    "err": {}
  },
  {
    "title": "should fail to create immediate reservation record with proper error",
    "fullTitle": "promise reservation with conflict create-reservation should fail to create immedi
    "duration": 60,
    "err": {}
  },
  {
    "title": "should fail to create future reservation record with proper error",
    "fullTitle": "promise reservation with conflict create-reservation should fail to create future
    "duration": 38,
    "err": {}
  },
  {
```

```
      "title": "should successfully destroy all allocations",
      "fullTitle": "promise cleanup test allocations destroy-instance should successfully destroy all
      "duration": 361,
      "err": {}
    }
  ],
  "pending": [],
  "failures": [],
  "passes": [
    {
      "title": "should add a new OpenStack provider without error",
      "fullTitle": "promise register OpenStack into resource pool add-provider should add a new OpenS
      "duration": 1217,
      "err": {}
    },
    {
      "title": "should update promise.providers with a new entry",
      "fullTitle": "promise register OpenStack into resource pool add-provider should update promise.
      "duration": 10,
      "err": {}
    },
    {
      "title": "should contain a new ResourceProvider record in the store",
      "fullTitle": "promise register OpenStack into resource pool add-provider should contain a new R
      "duration": 0,
      "err": {}
    },
    {
      "title": "should add more capacity to the reservation service without error",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should add more c
      "duration": 25,
      "err": {}
    },
    {
      "title": "should update promise.pools with a new entry",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should update pro
      "duration": 1,
      "err": {}
    },
    {
      "title": "should contain a ResourcePool record in the store",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should contain a
      "duration": 0,
      "err": {}
    },
    {
      "title": "should report total collections and utilizations",
      "fullTitle": "promise register OpenStack into resource pool query-capacity should report total
      "duration": 18,
      "err": {}
    },
    {
      "title": "should contain newly added capacity pool",
      "fullTitle": "promise register OpenStack into resource pool query-capacity should contain newly
      "duration": 8,
      "err": {}
    },
    {
```

```
      "title": "should create a new server in target provider without error",
      "fullTitle": "promise allocation without reservation create-instance should create a new server
      "duration": 1768,
      "err": {}
    },
    {
      "title": "should update promise.allocations with a new entry",
      "fullTitle": "promise allocation without reservation create-instance should update promise.allo
      "duration": 2,
      "err": {}
    },
    {
      "title": "should contain a new ResourceAllocation record in the store",
      "fullTitle": "promise allocation without reservation create-instance should contain a new Resou
      "duration": 0,
      "err": {}
    },
    {
      "title": "should reference the created server ID from the provider",
      "fullTitle": "promise allocation without reservation create-instance should reference the creat
      "duration": 1,
      "err": {}
    },
    {
      "title": "should have low priority state",
      "fullTitle": "promise allocation without reservation create-instance should have low priority s
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create reservation record (no start/end) without error",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 41,
      "err": {}
    },
    {
      "title": "should update promise.reservations with a new entry",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 7,
      "err": {}
    },
    {
      "title": "should contain a new ResourceReservation record in the store",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create a new server in target provider (with reservation) without error",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should cre
      "duration": 1617,
      "err": {}
    },
    {
      "title": "should contain a new ResourceAllocation record in the store",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should con
      "duration": 1,
      "err": {}
```

```
    },
    {
      "title": "should be referenced in the reservation record",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should be
      "duration": 7,
      "err": {}
    },
    {
      "title": "should have high priority state",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should hav
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create reservation record (for future) without error",
      "fullTitle": "promise reservation for future use create-reservation should create reservation r
      "duration": 75,
      "err": {}
    },
    {
      "title": "should update promise.reservations with a new entry",
      "fullTitle": "promise reservation for future use create-reservation should update promise.reser
      "duration": 17,
      "err": {}
    },
    {
      "title": "should contain a new ResourceReservation record in the store",
      "fullTitle": "promise reservation for future use create-reservation should contain a new Resour
      "duration": 0,
      "err": {}
    },
    {
      "title": "should contain newly created future reservation",
      "fullTitle": "promise reservation for future use query-reservation should contain newly created
      "duration": 61,
      "err": {}
    },
    {
      "title": "should modify existing reservation without error",
      "fullTitle": "promise reservation for future use update-reservation should modify existing rese
      "duration": 65,
      "err": {}
    },
    {
      "title": "should modify existing reservation without error",
      "fullTitle": "promise reservation for future use cancel-reservation should modify existing rese
      "duration": 17,
      "err": {}
    },
    {
      "title": "should no longer contain record of the deleted reservation",
      "fullTitle": "promise reservation for future use cancel-reservation should no longer contain re
      "duration": 0,
      "err": {}
    },
    {
      "title": "should decrease available capacity from a provider in the future",
      "fullTitle": "promise capacity planning decrease-capacity should decrease available capacity fr
```

```
      "duration": 15,
      "err": {}
    },
    {
      "title": "should increase available capacity from a provider in the future",
      "fullTitle": "promise capacity planning increase-capacity should increase available capacity fr
      "duration": 11,
      "err": {}
    },
    {
      "title": "should report available collections and utilizations",
      "fullTitle": "promise capacity planning query-capacity should report available collections and
      "duration": 56,
      "err": {}
    },
    {
      "title": "should fail to create immediate reservation record with proper error",
      "fullTitle": "promise reservation with conflict create-reservation should fail to create immedi
      "duration": 60,
      "err": {}
    },
    {
      "title": "should fail to create future reservation record with proper error",
      "fullTitle": "promise reservation with conflict create-reservation should fail to create future
      "duration": 38,
      "err": {}
    },
    {
      "title": "should successfully destroy all allocations",
      "fullTitle": "promise cleanup test allocations destroy-instance should successfully destroy all
      "duration": 361,
      "err": {}
    }
  ]
}
```


```
Promise- INFO -
****************************************
          Promise test report

****************************************
 Suites:    23
 Tests:     33
 Passes:    33
 Pending:   0
 Failures:  0
 Start:     2016-02-18T13:37:06.661Z
 End:       2016-02-18T13:37:12.962Z
 Duration:  6.301
****************************************
```

3.14 Detailed test results for fuel-os-nosdn-ovs-ha

3.15 VIM

3.15.1 vping_ssh

```
FUNCTEST.info: Running vPing-SSH test...
vPing_ssh- INFO - Creating image 'functest-vping' from '/home/opnfv/functest/data/cirros-0.3.4-x86_64
vPing_ssh- INFO - Creating neutron network vping-net...
vPing_ssh- INFO - Creating security group  'vPing-sg'...
vPing_ssh- INFO - Using existing Flavor 'm1.small'...
vPing_ssh- INFO - vPing Start Time:'2016-02-18 13:27:35'
vPing_ssh- INFO - Creating instance 'opnfv-vping-1'...
 name=opnfv-vping-1
 flavor=<Flavor: m1.small>
 image=fff41d5d-579a-4c26-844d-4e86700c44f6
 network=a5137d46-dea8-4f85-8872-08c4a5927182

vPing_ssh- INFO - Instance 'opnfv-vping-1' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-1' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating instance 'opnfv-vping-2'...
 name=opnfv-vping-2
 flavor=<Flavor: m1.small>
 image=fff41d5d-579a-4c26-844d-4e86700c44f6
 network=a5137d46-dea8-4f85-8872-08c4a5927182

vPing_ssh- INFO - Instance 'opnfv-vping-2' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-2' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating floating IP for VM 'opnfv-vping-2'...
vPing_ssh- INFO - Floating IP created: '10.118.101.200'
vPing_ssh- INFO - Associating floating ip: '10.118.101.200' to VM 'opnfv-vping-2'
vPing_ssh- INFO - Trying to establish SSH connection to 10.118.101.200...
vPing_ssh- INFO - Waiting for ping...
vPing_ssh- INFO - vPing detected!
vPing_ssh- INFO - vPing duration:'42.1' s.
vPing_ssh- INFO - Cleaning up...
vPing_ssh- INFO - vPing OK
```

3.15.2 vping_userdata

```
FUNCTEST.info: Running vPing-userdata test...
vPing_userdata- INFO - Creating image 'functest-vping' from '/home/opnfv/functest/data/cirros-0.3.4-x
vPing_userdata- INFO - Creating neutron network vping-net...
vPing_userdata- INFO - Creating security group  'vPing-sg'...
vPing_userdata- INFO - Flavor found 'm1.small'
vPing_userdata- INFO - vPing Start Time:'2016-02-18 13:29:00'
vPing_userdata- INFO - Creating instance 'opnfv-vping-1'...
 name=opnfv-vping-1
 flavor=<Flavor: m1.small>
 image=5e34c73d-91d0-4852-a407-5a4b4c1932c6
 network=a1efb318-1338-436f-8f26-3a1bacab0538

vPing_userdata- INFO - Instance 'opnfv-vping-1' is ACTIVE.
vPing_userdata- INFO - Creating instance 'opnfv-vping-2'...
```

```
 name=opnfv-vping-2
 flavor=<Flavor: m1.small>
 image=5e34c73d-91d0-4852-a407-5a4b4c1932c6
 network=a1efb318-1338-436f-8f26-3a1bacab0538
 userdata=
#!/bin/sh

while true; do
 ping -c 1 192.168.130.4 2>&1 >/dev/null
 RES=$?
 if [ "Z$RES" = "Z0" ] ; then
  echo 'vPing OK'
 break
 else
  echo 'vPing KO'
 fi
 sleep 1
done

vPing_userdata- INFO - Instance 'opnfv-vping-2' is ACTIVE.
vPing_userdata- INFO - Waiting for ping...
vPing_userdata- INFO - vPing detected!
vPing_userdata- INFO - vPing duration:'28.6'
vPing_userdata- INFO - vPing OK
vPing_userdata- INFO - Cleaning up...
vPing_userdata- INFO - Deleting network 'vping-net'...
```

3.15.3 Tempest

```
+-------------------------------------------------------------------------------------------------
| name
+-------------------------------------------------------------------------------------------------
| tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_get_flavor
| tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_list_flavors
| tempest.api.compute.images.test_images.ImagesTestJSON.test_delete_saving_image
| tempest.api.compute.images.test_images_oneserver.ImagesOneServerTestJSON.test_create_delete_image
| tempest.api.compute.images.test_images_oneserver.ImagesOneServerTestJSON.test_create_image_specify_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_limit_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_get_image
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_list_images
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_list_images_with_detail
| tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_secur
| tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_secur
| tempest.api.compute.security_groups.test_security_groups.SecurityGroupsTestJSON.test_security_group
| tempest.api.compute.servers.test_attach_interfaces.AttachInterfacesTestJSON.test_add_remove_fixed_i
```

```
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_host_name_is_same_as_server_nam
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_created_server_vcpus
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_server_details
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_host_name_is_same_as_serv
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_created_server_vcp
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_server_details
| tempest.api.compute.servers.test_instance_actions.InstanceActionsTestJSON.test_get_instance_action
| tempest.api.compute.servers.test_instance_actions.InstanceActionsTestJSON.test_list_instance_actions
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_change_server_password
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_get_console_output
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_lock_unlock_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_hard
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_soft
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_rebuild_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_resize_server_confirm
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_resize_server_revert
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_stop_start_server
| tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresse
| tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresse
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_delete_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_get_server_metadata_it
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_list_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_set_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_set_server_metadata_it
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_update_server_metadata
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_server_with_admin_password
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_specify_keypair
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_with_existing_server_name
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_access_server_address
```

```
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_server_name
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_numeric_serve
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_server_metada
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_server_name_l
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_a_server_of_a
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_server_pass_i
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_server_pass_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_get_non_existent_ser
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_invalid_ip_v6_addres
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_reboot_non_existent_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_rebuild_non_existent
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_resize_server_with_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_resize_server_with_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_server_name_blank
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_stop_non_existent_se
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_name_of_non_e
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_name_l
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_of_and
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_set_en
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_keypair_in_analt_user_tena
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_server_fails_when_tenant_i
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_server_with_unauthorized_i
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_get_keypair_of_alt_account_fails
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_get_metadata_of_alt_account_serve
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_set_metadata_of_alt_account_serve
| tempest.api.compute.test_quotas.QuotasTestJSON.test_get_default_quotas
| tempest.api.compute.test_quotas.QuotasTestJSON.test_get_quotas
| tempest.api.compute.volumes.test_attach_volume.AttachVolumeTestJSON.test_attach_detach_volume
| tempest.api.compute.volumes.test_volumes_list.VolumesTestJSON.test_volume_list
| tempest.api.compute.volumes.test_volumes_list.VolumesTestJSON.test_volume_list_with_details
| tempest.api.compute.volumes.test_volumes_negative.VolumesNegativeTest.test_get_invalid_volume_id
| tempest.api.compute.volumes.test_volumes_negative.VolumesNegativeTest.test_get_volume_without_passi
| tempest.api.identity.admin.v2.test_services.ServicesTestJSON.test_list_services
| tempest.api.identity.admin.v2.test_users.UsersTestJSON.test_create_user
| tempest.api.identity.admin.v3.test_credentials.CredentialsTestJSON.test_credentials_create_get_upda
| tempest.api.identity.admin.v3.test_domains.DefaultDomainTestJSON.test_default_domain_exists
| tempest.api.identity.admin.v3.test_domains.DomainsTestJSON.test_create_update_delete_domain
| tempest.api.identity.admin.v3.test_endpoints.EndPointsTestJSON.test_update_endpoint
| tempest.api.identity.admin.v3.test_groups.GroupsV3TestJSON.test_group_users_add_list_delete
| tempest.api.identity.admin.v3.test_policies.PoliciesTestJSON.test_create_update_delete_policy
| tempest.api.identity.admin.v3.test_regions.RegionsTestJSON.test_create_region_with_specific_id
| tempest.api.identity.admin.v3.test_roles.RolesV3TestJSON.test_role_create_update_get_list
| tempest.api.identity.admin.v3.test_services.ServicesTestJSON.test_create_update_get_service
| tempest.api.identity.admin.v3.test_trusts.TrustsV3TestJSON.test_get_trusts_all
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.image.v1.test_images.ListImagesTest.test_index_no_params
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_delete_image
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_register_upload_get_image_file
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_update_image
| tempest.api.network.test_extensions.ExtensionsTestJSON.test_list_show_extensions
```

| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_floating_ip_specifying_a_fixed
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_list_show_update_delete_floati
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_port
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_port
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_subnets
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_subnet
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_list_subnets
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_show_subnet
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_port_in_allowed_allocation_pools
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_port_with_no_securitygroups
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_update_delete_port
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_list_ports
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_show_port
| tempest.api.network.test_ports.PortsTestJSON.test_create_port_in_allowed_allocation_pools
| tempest.api.network.test_ports.PortsTestJSON.test_create_port_with_no_securitygroups
| tempest.api.network.test_ports.PortsTestJSON.test_create_update_delete_port
| tempest.api.network.test_ports.PortsTestJSON.test_list_ports
| tempest.api.network.test_ports.PortsTestJSON.test_show_port
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_multiple_router_interfaces
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_remove_router_interface_with_port_id
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_remove_router_interface_with_subnet_id
| tempest.api.network.test_routers.RoutersIpV6Test.test_create_show_list_update_delete_router
| tempest.api.network.test_routers.RoutersTest.test_add_multiple_router_interfaces
| tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_port_id
| tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_subnet_id
| tempest.api.network.test_routers.RoutersTest.test_create_show_list_update_delete_router
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_list_update_show_delete_secur
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_show_delete_security_group_ru
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_list_security_groups
| tempest.api.network.test_security_groups.SecGroupTest.test_create_list_update_show_delete_security_
| tempest.api.network.test_security_groups.SecGroupTest.test_create_show_delete_security_group_rule
| tempest.api.network.test_security_groups.SecGroupTest.test_list_security_groups
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_list
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_show
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_template
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_list
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_metadata
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_software_config
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_create_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_crud_no_resources
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_list_responds
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_
| tempest.api.volume.test_volumes_actions.VolumesV1ActionsTest.test_attach_detach_volume_to_instance

```
| tempest.api.volume.test_volumes_actions.VolumesV2ActionsTest.test_attach_detach_volume_to_instance
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_list.VolumesV1ListTestJSON.test_volume_list
| tempest.api.volume.test_volumes_list.VolumesV2ListTestJSON.test_volume_list
| tempest.scenario.test_network_basic_ops.TestNetworkBasicOps.test_network_basic_ops
| tempest.scenario.test_server_basic_ops.TestServerBasicOps.test_server_basicops
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPattern.test_volume_boot_pattern
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPatternV2.test_volume_boot_pattern
+-------------------------------------------------------------------------------------------------
run_tempest - INFO - Results: {'timestart': '2016-02-1602:24:40.738841', 'duration': 234, 'tests': 21
```

3.15.4 Rally

```
FUNCTEST.info: Running Rally benchmark suite...
run_rally - INFO - Starting test scenario "authenticate" ...
run_rally - INFO -
 Preparing input task
 Task  3074958f-9ce1-47bc-9d9d-e78bc2233a68: started
Task 3074958f-9ce1-47bc-9d9d-e78bc2233a68: finished

test scenario Authenticate.validate_glance
+-----------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                          | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_glance    | 0.519 | 0.582  | 0.614  | 0.616  | 0.619 | 0.577 | 100.0%  | 10
| authenticate.validate_glance (2)| 0.318 | 0.548  | 0.621  | 0.699  | 0.777 | 0.557 | 100.0%  | 10
| total                           | 1.086 | 1.305  | 1.37   | 1.467  | 1.563 | 1.307 | 100.0%  | 10
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 3.99583816528
Full duration: 11.4604001045



test scenario Authenticate.keystone
+-----------------------------------------------------------------------------+
|                            Response Times (sec)                             |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
| action | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
| total  | 0.139 | 0.157  | 0.174  | 0.175  | 0.175 | 0.158 | 100.0%  | 10    |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.509595870972
Full duration: 8.08681082726



test scenario Authenticate.validate_heat
+-----------------------------------------------------------------------------------------------------
|                                       Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | count
```

```
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| authenticate.validate_heat     | 0.281 | 0.3    | 0.407  | 0.408  | 0.409 | 0.322 | 100.0%  | 10
| authenticate.validate_heat (2) | 0.049 | 0.288  | 0.309  | 0.343  | 0.377 | 0.254 | 100.0%  | 10
| total                          | 0.474 | 0.756  | 0.876  | 0.883  | 0.89  | 0.748 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
Load duration: 2.13345599174
Full duration: 9.90360093117



test scenario Authenticate.validate_nova
+-------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| authenticate.validate_nova     | 0.263 | 0.305  | 0.334  | 0.394  | 0.454 | 0.313 | 100.0%  | 10
| authenticate.validate_nova (2) | 0.031 | 0.045  | 0.061  | 0.07   | 0.079 | 0.048 | 100.0%  | 10
| total                          | 0.456 | 0.517  | 0.555  | 0.62   | 0.686 | 0.525 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
Load duration: 1.58427906036
Full duration: 9.08766698837



test scenario Authenticate.validate_cinder
+-------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_cinder     | 0.279 | 0.31   | 0.336  | 0.384  | 0.433 | 0.316 | 100.0%  | 10
| authenticate.validate_cinder (2) | 0.023 | 0.284  | 0.356  | 0.475  | 0.594 | 0.244 | 100.0%  | 10
| total                          | 0.44  | 0.784  | 0.989  | 1.066  | 1.142 | 0.75  | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 2.06888413429
Full duration: 9.67203593254



test scenario Authenticate.validate_neutron
+-------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | co
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_neutron     | 0.279 | 0.333  | 0.347  | 0.348  | 0.348 | 0.328 | 100.0%  | 10
| authenticate.validate_neutron (2) | 0.042 | 0.302  | 0.341  | 0.374  | 0.407 | 0.263 | 100.0%  | 10
| total                          | 0.467 | 0.804  | 0.848  | 0.869  | 0.89  | 0.757 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 2.20722603798
Full duration: 10.0450489521



run_rally - INFO - Test scenario: "authenticate" OK.

run_rally - INFO - Starting test scenario "glance" ...
```

```
run_rally - INFO -
 Preparing input task
 Task  2d256e70-85ea-4394-a6ef-c1bb7f56a349: started
Task 2d256e70-85ea-4394-a6ef-c1bb7f56a349: finished

test scenario GlanceImages.list_images
+--------------------------------------------------------------------------------------+
|                                Response Times (sec)                                  |
+--------------------+------+--------+--------+--------+------+-------+---------+-------+
| action             | min  | median | 90%ile | 95%ile | max  | avg   | success | count |
+--------------------+------+--------+--------+--------+------+-------+---------+-------+
| glance.list_images | 0.69 | 0.754  | 0.845  | 0.853  | 0.86 | 0.771 | 100.0%  | 10    |
| total              | 0.69 | 0.754  | 0.845  | 0.853  | 0.86 | 0.771 | 100.0%  | 10    |
+--------------------+------+--------+--------+--------+------+-------+---------+-------+
Load duration: 2.37443709373
Full duration: 12.192773819



test scenario GlanceImages.create_image_and_boot_instances
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| glance.create_image | 7.016  | 7.626  | 8.071  | 8.175  | 8.28   | 7.656  | 100.0%  | 10    |
| nova.boot_servers   | 14.247 | 15.398 | 16.507 | 16.622 | 16.737 | 15.457 | 100.0%  | 10    |
| total              | 21.583 | 22.978 | 23.909 | 24.335 | 24.761 | 23.114 | 100.0%  | 10    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 68.0709619522
Full duration: 125.822338104



test scenario GlanceImages.create_and_list_image
+-------------------------------------------------------------------------------------------+
|                                Response Times (sec)                                       |
+--------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+--------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| glance.create_image | 7.021 | 7.699  | 9.045  | 14.322 | 19.599 | 8.763 | 100.0%  | 10    |
| glance.list_images  | 0.334 | 0.602  | 0.657  | 0.684  | 0.71   | 0.593 | 100.0%  | 10    |
| total              | 7.61  | 8.326  | 9.638  | 14.906 | 20.173 | 9.356 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 28.350317955
Full duration: 54.6049070358



test scenario GlanceImages.create_and_delete_image
+-------------------------------------------------------------------------------------------+
|                                Response Times (sec)                                       |
+--------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| glance.create_image | 7.113 | 7.689  | 7.945  | 7.946  | 7.948  | 7.622  | 100.0%  | 10    |
| glance.delete_image | 1.846 | 2.236  | 3.676  | 9.026  | 14.377 | 3.407  | 100.0%  | 10    |
| total              | 9.452 | 9.823  | 11.494 | 16.81  | 22.126 | 11.029 | 100.0%  | 10    |
```

```
+---------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 31.6257281303
Full duration: 42.0794751644



run_rally - INFO - Test scenario: "glance" OK.

run_rally - INFO - Starting test scenario "cinder" ...
run_rally - INFO -
 Preparing input task
 Task  9f092186-5955-4467-948a-16d0404a8c2f: started
Task 9f092186-5955-4467-948a-16d0404a8c2f: finished

test scenario CinderVolumes.create_and_attach_volume
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server     | 10.268 | 12.476 | 13.344 | 13.444 | 13.544 | 12.273 | 100.0%  | 10    |
| cinder.create_volume | 3.181  | 3.689  | 3.924  | 4.051  | 4.178  | 3.675  | 100.0%  | 10    |
| nova.attach_volume   | 3.763  | 4.185  | 6.83   | 6.904  | 6.978  | 4.705  | 100.0%  | 10    |
| nova.detach_volume   | 3.274  | 3.884  | 4.469  | 4.48   | 4.491  | 3.865  | 100.0%  | 10    |
| cinder.delete_volume | 0.598  | 2.89   | 3.108  | 3.229  | 3.351  | 2.513  | 100.0%  | 10    |
| nova.delete_server   | 2.824  | 3.112  | 3.135  | 3.142  | 3.15   | 3.06   | 100.0%  | 10    |
| total                | 28.505 | 29.774 | 31.521 | 31.648 | 31.774 | 30.091 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 89.9433991909
Full duration: 132.382716179



test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+----------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| cinder.create_volume | 9.263 | 9.593  | 10.234 | 10.313 | 10.391 | 9.735 | 100.0%  | 10    |
| cinder.list_volumes  | 0.073 | 0.334  | 0.502  | 0.51   | 0.517  | 0.325 | 100.0%  | 10    |
| total                | 9.347 | 9.982  | 10.562 | 10.633 | 10.704 | 10.06 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 30.0611338615
Full duration: 53.2253141403



test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.693 | 3.995  | 4.393  | 4.446  | 4.498 | 4.011 | 100.0%  | 10    |
| cinder.list_volumes  | 0.073 | 0.365  | 0.473  | 0.503  | 0.532 | 0.334 | 100.0%  | 10    |
| total                | 3.792 | 4.367  | 4.739  | 4.852  | 4.964 | 4.345 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

```
Load duration: 13.0783438683
Full duration: 34.8268380165



test scenario CinderVolumes.create_and_list_snapshots
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_snapshot | 3.034 | 3.324  | 3.749  | 4.714  | 5.679 | 3.488 | 100.0%  | 10    |
| cinder.list_snapshots  | 0.027 | 0.306  | 0.324  | 0.326  | 0.329 | 0.227 | 100.0%  | 10    |
| total                  | 3.132 | 3.417  | 4.072  | 5.033  | 5.994 | 3.715 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 10.4324269295
Full duration: 51.1932430267



test scenario CinderVolumes.create_and_delete_volume
+---------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.495 | 3.952  | 4.201  | 4.213  | 4.224 | 3.929 | 100.0%  | 10    |
| cinder.delete_volume | 0.559 | 2.729  | 3.265  | 3.327  | 3.389 | 2.111 | 100.0%  | 10    |
| total                | 4.352 | 6.379  | 7.367  | 7.421  | 7.476 | 6.04  | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 18.7915260792
Full duration: 37.4740400314



test scenario CinderVolumes.create_and_delete_volume
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume | 9.153 | 9.894  | 10.152 | 10.17  | 10.189 | 9.798  | 100.0%  | 10    |
| cinder.delete_volume | 0.563 | 0.972  | 3.341  | 3.425  | 3.51   | 1.572  | 100.0%  | 10    |
| total                | 9.717 | 10.853 | 13.493 | 13.596 | 13.699 | 11.371 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 31.9503250122
Full duration: 51.7525529861



test scenario CinderVolumes.create_and_delete_volume
+---------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.461 | 3.688  | 4.442  | 4.444  | 4.447 | 3.838 | 100.0%  | 10    |
| cinder.delete_volume | 0.493 | 0.917  | 3.039  | 3.183  | 3.328 | 1.504 | 100.0%  | 10    |
```

| total | 4.048 | 4.704 | 7.416 | 7.425 | 7.434 | 5.343 | 100.0% | 10 |

Load duration: 16.7748939991
Full duration: 35.0109767914

test scenario CinderVolumes.create_and_upload_volume_to_image

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.474	3.728	4.034	4.158	4.283	3.802	100.0%	10
cinder.upload_volume_to_image	16.739	27.612	32.627	32.648	32.669	26.268	100.0%	10
cinder.delete_volume	0.914	2.817	3.041	3.073	3.105	2.347	100.0%	10
nova.delete_image	2.403	2.717	2.8	2.899	2.999	2.685	100.0%	10
total	26.184	36.276	42.076	42.091	42.105	35.103	100.0%	10

Load duration: 100.882842064
Full duration: 122.017296791

test scenario CinderVolumes.create_and_delete_snapshot

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_snapshot	2.994	3.448	3.79	4.429	5.067	3.513	100.0%	10
cinder.delete_snapshot	2.529	2.878	3.135	3.14	3.144	2.867	100.0%	10
total	5.551	6.333	6.766	7.484	8.202	6.38	100.0%	10

Load duration: 20.3024630547
Full duration: 53.5971570015

test scenario CinderVolumes.create_volume

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.445	3.759	3.809	3.811	3.814	3.703	100.0%	10
total	3.445	3.759	3.809	3.812	3.814	3.703	100.0%	10

Load duration: 11.0321419239
Full duration: 28.9824199677

test scenario CinderVolumes.create_volume

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count

```
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.698 | 3.935  | 4.094  | 4.163  | 4.233 | 3.919 | 100.0%  | 10    |
| total                | 3.699 | 3.935  | 4.094  | 4.163  | 4.233 | 3.919 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 11.7128379345
Full duration: 34.5113909245



test scenario CinderVolumes.list_volumes
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.list_volumes | 0.491 | 0.525  | 0.554  | 0.555  | 0.556 | 0.529 | 100.0%  | 10    |
| total               | 0.491 | 0.525  | 0.554  | 0.555  | 0.556 | 0.529 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.63166594505
Full duration: 66.0012481213



test scenario CinderVolumes.create_nested_snapshots_and_attach_volume
+-----------------------------------------------------------------------------------------------------+
|                                       Response Times (sec)                                          |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume  | 3.397  | 3.887  | 4.192  | 4.206  | 4.22   | 3.861  | 100.0%  | 10    |
| cinder.create_snapshot| 2.867  | 3.153  | 3.188  | 3.25   | 3.311  | 3.111  | 100.0%  | 10    |
| nova.attach_volume    | 3.869  | 5.36   | 10.321 | 11.444 | 12.567 | 6.387  | 100.0%  | 10    |
| nova.detach_volume    | 3.309  | 3.955  | 4.207  | 4.268  | 4.33   | 3.843  | 100.0%  | 10    |
| cinder.delete_snapshot| 2.26   | 2.629  | 2.904  | 3.051  | 3.199  | 2.668  | 100.0%  | 10    |
| cinder.delete_volume  | 0.553  | 2.446  | 2.844  | 2.938  | 3.033  | 1.903  | 100.0%  | 10    |
| total                 | 18.664 | 22.016 | 27.546 | 29.149 | 30.752 | 22.899 | 100.0%  | 10    |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 67.0612659454
Full duration: 183.666878939



test scenario CinderVolumes.create_from_volume_and_delete_volume
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.553 | 3.919  | 4.193  | 4.206  | 4.219 | 3.896 | 100.0%  | 10    |
| cinder.delete_volume | 2.698 | 3.101  | 3.447  | 3.564  | 3.682 | 3.136 | 100.0%  | 10    |
| total                | 6.251 | 7.071  | 7.484  | 7.564  | 7.645 | 7.032 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 21.0021979809
Full duration: 55.9390618801



test scenario CinderVolumes.create_and_extend_volume
```

```
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.435 | 4.074  | 4.424  | 4.424  | 4.425 | 4.026 | 100.0%  | 10    |
| cinder.extend_volume | 0.707 | 1.246  | 3.299  | 3.344  | 3.389 | 1.877 | 100.0%  | 10    |
| cinder.delete_volume | 0.692 | 1.948  | 3.07   | 3.114  | 3.157 | 1.937 | 100.0%  | 10    |
| total                | 5.944 | 8.052  | 8.803  | 9.273  | 9.743 | 7.84  | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 23.8975720406
Full duration: 43.0286390781



test scenario CinderVolumes.create_snapshot_and_attach_volume
+-------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                   |
+------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                 | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume   | 3.311  | 3.828  | 3.963  | 3.983  | 4.004  | 3.796  | 100.0%  | 10    |
| cinder.create_snapshot | 2.536  | 2.956  | 3.228  | 3.282  | 3.336  | 2.967  | 100.0%  | 10    |
| nova.attach_volume     | 3.854  | 4.422  | 6.403  | 6.702  | 7.002  | 4.856  | 100.0%  | 10    |
| nova.detach_volume     | 3.28   | 3.968  | 4.168  | 4.23   | 4.291  | 3.861  | 100.0%  | 10    |
| cinder.delete_snapshot | 2.409  | 2.566  | 2.92   | 2.931  | 2.943  | 2.652  | 100.0%  | 10    |
| cinder.delete_volume   | 0.616  | 2.517  | 2.894  | 3.087  | 3.279  | 2.098  | 100.0%  | 10    |
| total                  | 19.096 | 21.622 | 23.818 | 24.006 | 24.195 | 21.486 | 100.0%  | 10    |
+------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 61.8816320896
Full duration: 192.880079985



test scenario CinderVolumes.create_snapshot_and_attach_volume
+-----------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                   |
+------------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+------------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume   | 3.008 | 3.875  | 4.246  | 4.262  | 4.278  | 3.77   | 100.0%  | 10    |
| cinder.create_snapshot | 2.518 | 3.123  | 3.599  | 3.708  | 3.818  | 3.136  | 100.0%  | 10    |
| nova.attach_volume     | 3.945 | 5.453  | 7.683  | 8.854  | 10.024 | 5.87   | 100.0%  | 10    |
| nova.detach_volume     | 3.292 | 3.879  | 4.458  | 4.792  | 5.127  | 3.95   | 100.0%  | 10    |
| cinder.delete_snapshot | 0.527 | 2.572  | 2.804  | 2.854  | 2.904  | 2.393  | 100.0%  | 10    |
| cinder.delete_volume   | 0.894 | 2.839  | 3.023  | 3.037  | 3.052  | 2.513  | 100.0%  | 10    |
| total                  | 20.01 | 23.245 | 26.325 | 27.177 | 28.028 | 23.414 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 71.9912419319
Full duration: 203.27274704



run_rally - INFO - Test scenario: "cinder" OK.

run_rally - INFO - Starting test scenario "heat" ...
run_rally - INFO -
 Preparing input task
```

```
 Task  f964ffc4-416b-4d44-b65d-29baeaea8bec: started
Task f964ffc4-416b-4d44-b65d-29baeaea8bec: finished

test scenario HeatStacks.create_suspend_resume_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack  | 3.969 | 4.357  | 4.55   | 4.551  | 4.551 | 4.324 | 100.0%  | 10    |
| heat.suspend_stack | 1.657 | 1.711  | 1.822  | 1.868  | 1.915 | 1.731 | 100.0%  | 10    |
| heat.resume_stack  | 1.437 | 1.616  | 1.637  | 1.648  | 1.658 | 1.574 | 100.0%  | 10    |
| heat.delete_stack  | 1.403 | 1.555  | 1.702  | 2.211  | 2.721 | 1.658 | 100.0%  | 10    |
| total              | 8.875 | 9.374  | 9.503  | 9.735  | 9.967 | 9.288 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 27.5499420166
Full duration: 37.6667420864



test scenario HeatStacks.create_and_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 3.985 | 4.305  | 4.343  | 4.374  | 4.405 | 4.237 | 100.0%  | 10    |
| heat.delete_stack | 1.379 | 1.455  | 1.484  | 1.487  | 1.489 | 1.447 | 100.0%  | 10    |
| total             | 5.451 | 5.729  | 5.798  | 5.812  | 5.826 | 5.683 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 17.0478360653
Full duration: 27.8095588684



test scenario HeatStacks.create_and_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action            | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 26.314 | 28.232 | 29.851 | 29.855 | 29.859 | 28.255 | 100.0%  | 10    |
| heat.delete_stack | 10.7   | 11.864 | 12.929 | 12.939 | 12.949 | 12.051 | 100.0%  | 10    |
| total             | 38.29  | 40.481 | 41.719 | 41.722 | 41.725 | 40.306 | 100.0%  | 10    |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 120.330497026
Full duration: 130.361554861



test scenario HeatStacks.create_and_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action            | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 22.65  | 24.176 | 25.608 | 26.138 | 26.667 | 24.433 | 100.0%  | 10    |
| heat.delete_stack | 10.59  | 11.212 | 11.949 | 12.486 | 13.022 | 11.332 | 100.0%  | 10    |
```

total	33.338	36.173	37.277	37.282	37.287	35.765	100.0%	10

Load duration: 105.698035955
Full duration: 115.92205596

test scenario HeatStacks.list_stacks_and_resources

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.list_stacks	0.513	0.529	0.55	0.555	0.559	0.532	100.0%	10
heat.list_resources_of_0_stacks	0.0	0.0	0.0	0.0	0.0	0.0	100.0%	10
total	0.513	0.529	0.55	0.555	0.56	0.532	100.0%	10

Load duration: 1.66571998596
Full duration: 10.2634401321

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	3.891	4.318	4.491	4.525	4.559	4.283	100.0%	10
heat.update_stack	3.532	3.653	3.805	3.849	3.893	3.669	100.0%	10
heat.delete_stack	1.517	2.659	2.766	2.767	2.768	2.555	100.0%	10
total	9.434	10.591	10.815	10.957	11.1	10.507	100.0%	10

Load duration: 31.6606299877
Full duration: 41.6391699314

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	3.815	4.241	4.394	4.403	4.411	4.206	100.0%	10
heat.update_stack	3.536	3.637	3.758	3.809	3.86	3.655	100.0%	10
heat.delete_stack	1.359	1.407	1.693	2.128	2.563	1.55	100.0%	10
total	9.067	9.301	9.655	10.15	10.645	9.412	100.0%	10

Load duration: 27.7025399208
Full duration: 38.6538958549

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								

action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	3.845	4.648	5.545	5.549	5.552	4.702	100.0%	10
heat.update_stack	5.818	5.896	6.239	6.242	6.246	5.982	100.0%	10
heat.delete_stack	2.479	2.526	2.59	2.606	2.623	2.537	100.0%	10
total	12.651	13.069	13.902	13.942	13.981	13.221	100.0%	10

Load duration: 39.0307080746
Full duration: 49.9186120033

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	5.244	5.361	5.485	5.498	5.511	5.375	100.0%	10
heat.update_stack	9.239	9.295	9.34	9.346	9.353	9.298	100.0%	10
heat.delete_stack	3.643	3.694	3.736	3.74	3.745	3.697	100.0%	10
total	18.262	18.349	18.503	18.508	18.514	18.37	100.0%	10

Load duration: 55.1248130798
Full duration: 66.4681949615

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	4.185	4.4	4.476	4.481	4.486	4.371	100.0%	10
heat.update_stack	5.806	5.891	5.921	5.933	5.946	5.879	100.0%	10
heat.delete_stack	2.512	2.569	2.622	2.626	2.629	2.572	100.0%	10
total	12.536	12.853	12.946	12.953	12.959	12.821	100.0%	10

Load duration: 38.3984200954
Full duration: 49.409635067

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	3.99	4.405	4.621	4.622	4.623	4.393	100.0%	10
heat.update_stack	3.536	3.563	3.779	3.832	3.885	3.624	100.0%	10
heat.delete_stack	1.335	2.488	2.546	2.555	2.564	2.09	100.0%	10
total	9.272	10.325	10.734	10.81	10.886	10.107	100.0%	10

Load duration: 30.7103030682
Full duration: 41.7412381172

```
test scenario HeatStacks.create_and_list_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 4.146 | 4.271  | 4.393  | 4.448  | 4.504 | 4.284 | 100.0%  | 10    |
| heat.list_stacks  | 0.072 | 0.1    | 0.111  | 0.115  | 0.119 | 0.097 | 100.0%  | 10    |
| total             | 4.254 | 4.376  | 4.494  | 4.541  | 4.588 | 4.382 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 13.1074800491
Full duration: 29.5266339779



test scenario HeatStacks.create_check_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 3.907 | 4.192  | 4.293  | 4.364  | 4.435 | 4.155 | 100.0%  | 10    |
| heat.check_stack  | 0.745 | 1.525  | 1.901  | 1.922  | 1.944 | 1.529 | 100.0%  | 10    |
| heat.delete_stack | 1.391 | 2.514  | 2.598  | 2.642  | 2.685 | 2.316 | 100.0%  | 10    |
| total             | 7.026 | 8.237  | 8.42   | 8.494  | 8.569 | 8.0   | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 23.9746980667
Full duration: 35.3819260597



run_rally - INFO - Test scenario: "heat" OK.

run_rally - INFO - Starting test scenario "keystone" ...
run_rally - INFO -
 Preparing input task
 Task  66a8f673-a0ba-4559-8d8e-34457024edd9: started
Task 66a8f673-a0ba-4559-8d8e-34457024edd9: finished

test scenario KeystoneBasic.create_tenant_with_users
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.269 | 0.303  | 0.372  | 0.379  | 0.386 | 0.315 | 100.0%  | 10    |
| keystone.create_users  | 1.601 | 1.647  | 1.771  | 1.776  | 1.78  | 1.67  | 100.0%  | 10    |
| total                  | 1.871 | 1.96   | 2.095  | 2.101  | 2.107 | 1.985 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 5.90541005135
Full duration: 21.2136161327



test scenario KeystoneBasic.create_add_and_list_user_roles
+-------------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                         |
```

action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_role	0.274	0.295	0.314	0.347	0.379	0.299	100.0%	10
keystone.add_role	0.254	0.271	0.354	0.378	0.401	0.289	100.0%	10
keystone.list_roles	0.133	0.141	0.154	0.155	0.155	0.142	100.0%	10
total	0.673	0.705	0.811	0.828	0.844	0.73	100.0%	10

Load duration: 2.21612095833
Full duration: 15.3072237968

test scenario KeystoneBasic.add_and_remove_user_role

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_role	0.278	0.365	0.443	0.457	0.472	0.359	100.0%	10
keystone.add_role	0.262	0.275	0.348	0.352	0.356	0.291	100.0%	10
keystone.remove_role	0.153	0.168	0.178	0.18	0.182	0.167	100.0%	10
total	0.723	0.83	0.906	0.91	0.915	0.817	100.0%	10

Load duration: 2.51204109192
Full duration: 15.9939908981

test scenario KeystoneBasic.create_update_and_delete_tenant

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.283	0.313	0.4	0.402	0.403	0.333	100.0%	10
keystone.update_tenant	0.128	0.156	0.251	0.251	0.251	0.178	100.0%	10
keystone.delete_tenant	0.307	0.356	0.433	0.451	0.469	0.365	100.0%	10
total	0.775	0.886	0.937	0.975	1.013	0.876	100.0%	10

Load duration: 2.67470407486
Full duration: 14.5480179787

test scenario KeystoneBasic.create_and_delete_service

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_service	0.262	0.301	0.324	0.35	0.375	0.301	100.0%	10
keystone.delete_service	0.136	0.163	0.181	0.209	0.236	0.165	100.0%	10
total	0.413	0.47	0.521	0.522	0.524	0.467	100.0%	10

Load duration: 1.38856720924
Full duration: 12.6957240105

test scenario KeystoneBasic.create_tenant

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.275	0.301	0.313	0.324	0.335	0.299	100.0%	10
total	0.276	0.301	0.313	0.324	0.335	0.299	100.0%	10

Load duration: 0.917107105255
Full duration: 8.57450699806

test scenario KeystoneBasic.create_user

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_user	0.287	0.309	0.394	0.408	0.422	0.331	100.0%	10
total	0.287	0.31	0.394	0.408	0.422	0.331	100.0%	10

Load duration: 1.01195383072
Full duration: 9.76411700249

test scenario KeystoneBasic.create_and_list_tenants

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.29	0.31	0.33	0.331	0.332	0.311	100.0%	10
keystone.list_tenants	0.122	0.138	0.16	0.194	0.229	0.146	100.0%	10
total	0.422	0.451	0.492	0.525	0.558	0.457	100.0%	10

Load duration: 1.38993692398
Full duration: 15.0407979488

test scenario KeystoneBasic.create_and_delete_role

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_role	0.29	0.367	0.474	0.501	0.528	0.374	100.0%	10
keystone.delete_role	0.276	0.317	0.52	0.54	0.561	0.362	100.0%	10
total	0.572	0.704	0.994	1.042	1.089	0.737	100.0%	10

Load duration: 2.35643291473
Full duration: 13.3514738083

```
test scenario KeystoneBasic.get_entities
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.266 | 0.31   | 0.344  | 0.369  | 0.393 | 0.313 | 100.0%  | 10    |
| keystone.create_user   | 0.137 | 0.157  | 0.169  | 0.174  | 0.179 | 0.158 | 100.0%  | 10    |
| keystone.create_role   | 0.124 | 0.142  | 0.164  | 0.199  | 0.234 | 0.151 | 100.0%  | 10    |
| keystone.get_tenant    | 0.112 | 0.129  | 0.147  | 0.149  | 0.15  | 0.13  | 100.0%  | 10    |
| keystone.get_user      | 0.126 | 0.135  | 0.148  | 0.15   | 0.153 | 0.137 | 100.0%  | 10    |
| keystone.get_role      | 0.116 | 0.127  | 0.143  | 0.156  | 0.169 | 0.131 | 100.0%  | 10    |
| keystone.service_list  | 0.117 | 0.135  | 0.218  | 0.224  | 0.23  | 0.152 | 100.0%  | 10    |
| keystone.get_service   | 0.12  | 0.13   | 0.172  | 0.197  | 0.221 | 0.141 | 100.0%  | 10    |
| total                  | 1.204 | 1.319  | 1.391  | 1.394  | 1.398 | 1.315 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.94662213326
Full duration: 21.1036419868



test scenario KeystoneBasic.create_and_list_users
+-----------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_user | 0.28  | 0.313  | 0.343  | 0.364  | 0.385 | 0.32  | 100.0%  | 10    |
| keystone.list_users  | 0.123 | 0.141  | 0.158  | 0.197  | 0.235 | 0.148 | 100.0%  | 10    |
| total                | 0.43  | 0.461  | 0.516  | 0.53   | 0.545 | 0.468 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.41474604607
Full duration: 9.85008382797



run_rally - INFO - Test scenario: "keystone" OK.

run_rally - INFO - Starting test scenario "neutron" ...
run_rally - INFO -
 Preparing input task
 Task  2ead843e-f4d1-4ee2-a635-0d37175e3c39: started
Task 2ead843e-f4d1-4ee2-a635-0d37175e3c39: finished

test scenario NeutronNetworks.create_and_delete_ports
+-----------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_port  | 0.788 | 0.834  | 0.941  | 0.962  | 0.984 | 0.854 | 100.0%  | 10    |
| neutron.delete_port  | 0.229 | 0.625  | 0.757  | 0.814  | 0.871 | 0.637 | 100.0%  | 10    |
| total                | 1.057 | 1.507  | 1.702  | 1.707  | 1.712 | 1.492 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.537129879
Full duration: 55.4609839916
```

test scenario NeutronNetworks.create_and_list_routers

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.706	0.789	0.991	0.992	0.992	0.825	100.0%	10
neutron.create_router	0.068	0.482	0.587	0.666	0.746	0.47	100.0%	10
neutron.add_interface_router	0.711	0.784	0.907	1.031	1.155	0.817	100.0%	10
neutron.list_routers	0.417	0.467	0.513	0.54	0.567	0.474	100.0%	10
total	2.404	2.525	2.859	2.897	2.934	2.587	100.0%	10

Load duration: 7.67870306969
Full duration: 58.1500780582

test scenario NeutronNetworks.create_and_delete_routers

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.749	0.813	0.872	0.875	0.878	0.816	100.0%	10
neutron.create_router	0.06	0.463	0.517	0.53	0.544	0.435	100.0%	10
neutron.add_interface_router	0.335	0.772	0.867	0.868	0.869	0.707	100.0%	10
neutron.remove_interface_router	0.341	0.691	0.901	0.916	0.93	0.69	100.0%	10
neutron.delete_router	0.553	0.682	0.838	0.854	0.87	0.686	100.0%	10
total	2.946	3.271	3.758	3.795	3.832	3.335	100.0%	10

Load duration: 9.81285190582
Full duration: 60.2574419975

test scenario NeutronNetworks.create_and_list_ports

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_port	0.81	0.883	0.976	0.981	0.987	0.89	100.0%	10
neutron.list_ports	0.563	0.626	0.776	0.827	0.877	0.652	100.0%	10
total	1.398	1.535	1.661	1.723	1.785	1.542	100.0%	10

Load duration: 4.79494190216
Full duration: 57.4564638138

test scenario NeutronNetworks.create_and_delete_subnets

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.782	0.868	0.944	0.944	0.945	0.867	100.0%	10
neutron.delete_subnet	0.579	0.66	0.806	0.813	0.82	0.679	100.0%	10

```
| total                 | 1.374 | 1.515  | 1.721  | 1.735  | 1.75  | 1.546 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.67370796204
Full duration: 54.8155629635



test scenario NeutronNetworks.create_and_delete_networks
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_network | 0.617 | 0.701  | 0.786  | 0.79   | 0.794 | 0.702 | 100.0%  | 10    |
| neutron.delete_network | 0.516 | 0.595  | 0.635  | 0.66   | 0.685 | 0.592 | 100.0%  | 10    |
| total                  | 1.156 | 1.302  | 1.382  | 1.392  | 1.401 | 1.294 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.91053414345
Full duration: 34.4190309048



test scenario NeutronNetworks.create_and_list_networks
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_network | 0.605 | 0.698  | 0.893  | 0.897  | 0.901 | 0.723 | 100.0%  | 10    |
| neutron.list_networks  | 0.403 | 0.422  | 0.518  | 0.522  | 0.526 | 0.44  | 100.0%  | 10    |
| total                  | 1.013 | 1.156  | 1.315  | 1.315  | 1.315 | 1.163 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.48294115067
Full duration: 36.022400856



test scenario NeutronNetworks.create_and_update_routers
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                       | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet        | 0.749 | 0.82   | 0.85   | 0.884  | 0.919 | 0.816 | 100.0%  | 10    |
| neutron.create_router        | 0.077 | 0.47   | 0.6    | 0.73   | 0.861 | 0.482 | 100.0%  | 10    |
| neutron.add_interface_router | 0.362 | 0.752  | 0.811  | 0.858  | 0.904 | 0.692 | 100.0%  | 10    |
| neutron.update_router        | 0.206 | 0.635  | 0.668  | 0.68   | 0.691 | 0.554 | 100.0%  | 10    |
| total                        | 1.848 | 2.659  | 2.876  | 3.008  | 3.14  | 2.544 | 100.0%  | 10    |
+------------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 7.22650980949
Full duration: 60.5388588905



test scenario NeutronNetworks.create_and_update_networks
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_network	0.654	0.724	0.888	0.911	0.934	0.756	100.0%	10
neutron.update_network	0.145	0.545	0.569	0.59	0.611	0.502	100.0%	10
total	1.018	1.265	1.427	1.431	1.436	1.258	100.0%	10

Load duration: 3.75120806694
Full duration: 35.950884819

test scenario NeutronNetworks.create_and_update_ports

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_port	0.814	0.896	0.995	1.01	1.024	0.896	100.0%	10
neutron.update_port	0.181	0.562	0.612	0.65	0.689	0.537	100.0%	10
total	0.995	1.461	1.585	1.597	1.608	1.433	100.0%	10

Load duration: 4.42992901802
Full duration: 55.774241209

test scenario NeutronNetworks.create_and_list_subnets

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.726	0.805	1.041	1.045	1.049	0.845	100.0%	10
neutron.list_subnets	0.053	0.422	0.446	0.446	0.446	0.353	100.0%	10
total	0.861	1.221	1.458	1.458	1.458	1.199	100.0%	10

Load duration: 3.38276219368
Full duration: 55.0756671429

test scenario NeutronNetworks.create_and_update_subnets

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.731	0.802	0.891	0.923	0.954	0.814	100.0%	10
neutron.update_subnet	0.186	0.573	0.629	0.662	0.694	0.455	100.0%	10
total	0.962	1.374	1.524	1.533	1.543	1.27	100.0%	10

Load duration: 3.90665698051
Full duration: 56.0127599239

run_rally - INFO - Test scenario: "neutron" OK.

```
run_rally - INFO - Starting test scenario "nova" ...
run_rally - INFO -
 Preparing input task
 Task  63203b68-fb0f-4190-b881-339d49343b7e: started
Task 63203b68-fb0f-4190-b881-339d49343b7e: finished

test scenario NovaKeypair.create_and_delete_keypair
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+---------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count  |
+---------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| nova.create_keypair | 0.701 | 0.818  | 0.937  | 1.171  | 1.406 | 0.867 | 100.0%  | 10     |
| nova.delete_keypair | 0.032 | 0.044  | 0.06   | 0.062  | 0.065 | 0.046 | 100.0%  | 10     |
| total               | 0.733 | 0.862  | 0.986  | 1.228  | 1.471 | 0.913 | 100.0%  | 10     |
+---------------------+-------+--------+--------+--------+-------+-------+---------+--------+
Load duration: 2.58676719666
Full duration: 44.6176929474



test scenario NovaServers.snapshot_server
+-----------------------------------------------------------------------------------------------------+
|                                      Response Times (sec)                                           |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server      | 13.231 | 15.082 | 16.288 | 16.485 | 16.681 | 15.005 | 100.0%  | 10    |
| nova.create_image     | 11.557 | 12.205 | 14.231 | 14.559 | 14.887 | 12.815 | 100.0%  | 10    |
| nova.delete_server    | 2.824  | 3.432  | 3.623  | 3.636  | 3.649  | 3.306  | 100.0%  | 10    |
| nova.boot_server (2)  | 11.125 | 13.278 | 14.799 | 15.311 | 15.823 | 13.287 | 100.0%  | 10    |
| nova.delete_server (2)| 2.504  | 2.94   | 3.422  | 3.44   | 3.457  | 3.055  | 100.0%  | 10    |
| nova.delete_image     | 2.668  | 3.276  | 3.598  | 3.634  | 3.669  | 3.259  | 100.0%  | 10    |
| total                 | 47.925 | 50.051 | 54.553 | 54.844 | 55.135 | 50.728 | 100.0%  | 10    |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 149.159065008
Full duration: 223.027470827



test scenario NovaKeypair.boot_and_delete_server_with_keypair
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.create_keypair | 0.681  | 0.807  | 0.953  | 1.005  | 1.056  | 0.813  | 100.0%  | 10    |
| nova.boot_server    | 12.625 | 13.795 | 14.626 | 14.992 | 15.358 | 13.92  | 100.0%  | 10    |
| nova.delete_server  | 2.895  | 3.252  | 3.838  | 4.433  | 5.028  | 3.378  | 100.0%  | 10    |
| nova.delete_keypair | 0.041  | 0.049  | 0.084  | 0.2    | 0.316  | 0.076  | 100.0%  | 10    |
| total               | 16.437 | 18.013 | 19.364 | 19.978 | 20.591 | 18.187 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 54.020512104
Full duration: 122.761439085



test scenario NovaKeypair.create_and_list_keypairs
```

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.create_keypair	0.633	0.811	0.88	0.945	1.01	0.797	100.0%	10
nova.list_keypairs	0.019	0.032	0.048	0.057	0.065	0.034	100.0%	10
total	0.663	0.833	0.925	0.988	1.051	0.831	100.0%	10

Load duration: 2.51079297066
Full duration: 45.2959558964

test scenario NovaServers.list_servers

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.list_servers	1.153	1.561	1.667	1.699	1.73	1.534	100.0%	10
total	1.153	1.562	1.667	1.699	1.73	1.534	100.0%	10

Load duration: 4.51852703094
Full duration: 136.974627972

test scenario NovaServers.resize_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	12.504	13.59	14.825	15.228	15.63	13.671	100.0%	10
nova.resize	41.099	42.204	47.49	47.556	47.621	44.023	100.0%	10
nova.resize_confirm	2.651	3.698	3.805	4.059	4.314	3.556	100.0%	10
nova.delete_server	2.631	3.022	3.411	4.443	5.475	3.21	100.0%	10
total	60.59	62.713	69.597	69.873	70.149	64.46	100.0%	10

Load duration: 192.511741161
Full duration: 232.632377863

test scenario NovaServers.boot_server_from_volume_and_delete

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	9.605	10.39	10.671	10.678	10.685	10.283	100.0%	10
nova.boot_server	13.194	15.101	15.844	16.008	16.171	15.084	100.0%	10
nova.delete_server	5.067	5.835	6.025	6.147	6.269	5.704	100.0%	10
total	29.712	31.089	31.863	32.17	32.477	31.072	100.0%	10

Load duration: 93.8591198921
Full duration: 176.781407833

test scenario NovaServers.boot_and_migrate_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	12.007	12.628	15.251	15.726	16.2	13.337	100.0%	10
nova.stop_server	5.734	6.679	7.157	7.198	7.239	6.643	100.0%	10
nova.migrate	11.005	12.115	12.764	12.898	13.031	12.041	100.0%	10
nova.resize_confirm	2.991	3.639	4.391	5.442	6.493	3.866	100.0%	10
nova.delete_server	2.512	2.889	3.089	3.162	3.235	2.846	100.0%	10
total	36.009	38.096	41.114	42.08	43.046	38.733	100.0%	10

Load duration: 117.547358036
Full duration: 158.547077894

test scenario NovaServers.boot_and_delete_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	12.11	12.864	14.437	14.962	15.486	13.148	100.0%	10
nova.delete_server	2.855	3.146	3.605	3.624	3.644	3.198	100.0%	10
total	15.189	15.944	18.012	18.222	18.433	16.346	100.0%	10

Load duration: 47.4842679501
Full duration: 115.855407953

test scenario NovaServers.boot_and_rebuild_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	11.096	13.966	14.767	14.775	14.783	13.664	100.0%	10
nova.rebuild_server	12.012	14.475	15.049	15.15	15.252	14.233	100.0%	10
nova.delete_server	2.573	2.99	3.499	4.34	5.181	3.213	100.0%	10
total	28.419	30.951	32.946	34.081	35.216	31.111	100.0%	10

Load duration: 91.1762368679
Full duration: 160.48626709

test scenario NovaSecGroup.create_and_list_secgroups

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	co
nova.create_10_security_groups	4.384	5.131	5.534	5.638	5.741	5.066	100.0%	10

```
| nova.create_100_rules          | 42.262 | 43.319 | 44.707 | 45.482 | 46.258 | 43.582 | 100.0%  | 10
| nova.list_security_groups      | 0.18   | 0.248  | 0.52   | 0.602  | 0.685  | 0.299  | 100.0%  | 10
| total                          | 47.342 | 48.922 | 49.657 | 50.789 | 51.921 | 48.948 | 100.0%  | 10
+--------------------------------+--------+--------+--------+--------+--------+--------+---------+---
Load duration: 145.205770016
Full duration: 212.670469999



test scenario NovaSecGroup.create_and_delete_secgroups
+-------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+--------+--------+--------+--------+--------+--------+---------+---
| action                         | min    | median | 90%ile | 95%ile | max    | avg    | success | co
+--------------------------------+--------+--------+--------+--------+--------+--------+---------+---
| nova.create_10_security_groups | 3.797  | 4.842  | 5.428  | 5.548  | 5.668  | 4.805  | 100.0%  | 10
| nova.create_100_rules          | 42.897 | 43.258 | 45.74  | 45.781 | 45.822 | 43.845 | 100.0%  | 10
| nova.delete_10_security_groups | 1.712  | 2.272  | 2.576  | 2.63   | 2.685  | 2.249  | 100.0%  | 10
| total                          | 49.862 | 50.866 | 51.896 | 52.159 | 52.422 | 50.9   | 100.0%  | 10
+--------------------------------+--------+--------+--------+--------+--------+--------+---------+---
Load duration: 153.145931959
Full duration: 195.681600094



test scenario NovaServers.boot_and_bounce_server
+-------------------------------------------------------------------------------------------------+
|                                      Response Times (sec)                                       |
+--------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                   | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server         | 12.233 | 14.014 | 14.779 | 15.28  | 15.781 | 13.878 | 100.0%  | 10    |
| nova.reboot_server       | 5.429  | 5.857  | 6.286  | 6.298  | 6.31   | 5.906  | 100.0%  | 10    |
| nova.soft_reboot_server  | 7.965  | 8.388  | 8.771  | 8.786  | 8.801  | 8.365  | 100.0%  | 10    |
| nova.stop_server         | 4.492  | 6.237  | 6.84   | 6.896  | 6.952  | 6.14   | 100.0%  | 10    |
| nova.start_server        | 3.528  | 4.271  | 5.459  | 5.844  | 6.229  | 4.465  | 100.0%  | 10    |
| nova.rescue_server       | 7.297  | 8.174  | 10.803 | 11.337 | 11.872 | 8.852  | 100.0%  | 10    |
| nova.unrescue_server     | 5.397  | 5.465  | 5.755  | 5.956  | 6.158  | 5.563  | 100.0%  | 10    |
| nova.delete_server       | 2.694  | 2.967  | 3.17   | 3.266  | 3.362  | 2.999  | 100.0%  | 10    |
| total                    | 53.124 | 55.752 | 58.931 | 59.472 | 60.013 | 56.189 | 100.0%  | 10    |
+--------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 166.732338905
Full duration: 235.669921875



test scenario NovaServers.boot_server
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+------------------+--------+--------+--------+--------+------+--------+---------+-------+
| action           | min    | median | 90%ile | 95%ile | max  | avg    | success | count |
+------------------+--------+--------+--------+--------+------+--------+---------+-------+
| nova.boot_server | 12.435 | 13.902 | 14.341 | 14.37  | 14.4 | 13.679 | 100.0%  | 10    |
| total            | 12.435 | 13.903 | 14.341 | 14.37  | 14.4 | 13.679 | 100.0%  | 10    |
+------------------+--------+--------+--------+--------+------+--------+---------+-------+
Load duration: 40.4824538231
Full duration: 98.6827569008
```

test scenario NovaSecGroup.boot_and_delete_server_with_secgroups

Response Times (sec)							
action	min	median	90%ile	95%ile	max	avg	success
nova.create_10_security_groups	4.34	5.246	5.496	5.585	5.675	5.171	100.0%
nova.create_100_rules	41.95	43.077	44.37	44.812	45.253	43.236	100.0%
nova.boot_server	10.869	11.908	13.524	13.633	13.742	12.265	100.0%
nova.get_attached_security_groups	0.224	0.267	0.504	0.555	0.607	0.332	100.0%
nova.delete_server	2.533	2.618	3.078	3.091	3.103	2.742	100.0%
nova.delete_10_security_groups	1.637	1.754	2.383	2.591	2.798	1.972	100.0%
total	64.243	65.856	66.932	67.145	67.358	65.721	100.0%

Load duration: 197.864094019
Full duration: 266.162395

test scenario NovaServers.pause_and_unpause_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	12.223	14.903	15.571	15.708	15.844	14.546	100.0%	10
nova.pause_server	2.791	3.173	3.334	3.379	3.424	3.141	100.0%	10
nova.unpause_server	2.459	2.849	3.186	3.266	3.346	2.907	100.0%	10
nova.delete_server	2.863	3.13	3.335	3.403	3.47	3.121	100.0%	10
total	20.391	24.232	24.74	24.758	24.775	23.717	100.0%	10

Load duration: 72.4143497944
Full duration: 139.801489115

test scenario NovaServers.boot_server_from_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	9.672	10.675	10.972	11.222	11.472	10.543	100.0%	10
nova.boot_server	14.233	16.466	17.095	17.399	17.704	16.109	100.0%	10
total	23.906	27.176	27.879	28.21	28.54	26.653	100.0%	10

Load duration: 79.5798490047
Full duration: 145.711636782

test scenario NovaServers.boot_and_list_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count

```
| nova.boot_server  | 12.064 | 14.109 | 15.049 | 15.436 | 15.823 | 13.885 | 100.0%  | 10    |
| nova.list_servers | 0.612  | 0.992  | 1.197  | 1.199  | 1.201  | 0.948  | 100.0%  | 10    |
| total             | 13.261 | 15.082 | 15.982 | 16.209 | 16.435 | 14.833 | 100.0%  | 10    |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 43.442057848
Full duration: 128.433704138



run_rally - INFO - Test scenario: "nova" OK.

run_rally - INFO - Starting test scenario "quotas" ...
run_rally - INFO -
 Preparing input task
 Task  f60014e7-4880-41c6-afbc-ea7d18ef56e0: started
Task f60014e7-4880-41c6-afbc-ea7d18ef56e0: finished

test scenario Quotas.cinder_update
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 1.111 | 1.203  | 1.671  | 1.682  | 1.692 | 1.279 | 100.0%  | 10    |
| total                | 1.111 | 1.203  | 1.671  | 1.682  | 1.692 | 1.279 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.63238286972
Full duration: 15.5500700474



test scenario Quotas.neutron_update
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.392 | 0.43   | 0.632  | 0.65   | 0.667 | 0.482 | 100.0%  | 10    |
| total                | 0.555 | 0.597  | 0.799  | 0.808  | 0.816 | 0.64  | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.90143704414
Full duration: 12.9954409599



test scenario Quotas.cinder_update_and_delete
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 1.086 | 1.207  | 1.358  | 1.436  | 1.513 | 1.228 | 100.0%  | 10    |
| quotas.delete_quotas | 0.549 | 0.88   | 0.94   | 0.951  | 0.963 | 0.839 | 100.0%  | 10    |
| total                | 1.654 | 2.078  | 2.316  | 2.37   | 2.424 | 2.067 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 6.08279585838
Full duration: 18.0140779018
```

```
test scenario Quotas.nova_update_and_delete
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.573 | 0.62   | 0.652  | 0.658  | 0.664 | 0.619 | 100.0%  | 10    |
| quotas.delete_quotas | 0.016 | 0.025  | 0.028  | 0.032  | 0.036 | 0.024 | 100.0%  | 10    |
| total                | 0.599 | 0.642  | 0.678  | 0.68   | 0.681 | 0.643 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.95340800285
Full duration: 13.6638329029



test scenario Quotas.nova_update
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.575 | 0.616  | 0.669  | 0.681  | 0.692 | 0.622 | 100.0%  | 10    |
| total                | 0.575 | 0.616  | 0.669  | 0.681  | 0.692 | 0.622 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.90668487549
Full duration: 13.5694701672



run_rally - INFO - Test scenario: "quotas" OK.

run_rally - INFO - Starting test scenario "requests" ...
run_rally - INFO -
 Preparing input task
 Task  3835bbc7-faf5-4671-9261-aa07c1d6a1e2: started
Task 3835bbc7-faf5-4671-9261-aa07c1d6a1e2: finished

test scenario HttpRequests.check_random_request
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| requests.check_request | 5.049 | 5.088  | 5.34   | 5.361  | 5.381 | 5.151 | 100.0%  | 10    |
| total                  | 5.049 | 5.088  | 5.34   | 5.361  | 5.381 | 5.151 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 15.4988431931
Full duration: 20.5546550751



test scenario HttpRequests.check_request
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

```
| requests.check_request | 5.048 | 5.052  | 5.057  | 5.058  | 5.058 | 5.053 | 100.0%  | 10    |
| total                  | 5.048 | 5.052  | 5.057  | 5.058  | 5.058 | 5.053 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 15.2044279575
Full duration: 20.1352801323



run_rally - INFO - Test scenario: "requests" OK.

run_rally - INFO -


                     Rally Summary Report
+==================+============+===============+===========+
| Module           | Duration   | nb. Test Run  | Success   |
+==================+============+===============+===========+
| authenticate     | 00:58      | 10            | 100.00%   |
+------------------+------------+---------------+-----------+
| glance           | 03:54      | 7             | 100.00%   |
+------------------+------------+---------------+-----------+
| cinder           | 22:59      | 50            | 100.00%   |
+------------------+------------+---------------+-----------+
| heat             | 11:14      | 35            | 100.00%   |
+------------------+------------+---------------+-----------+
| keystone         | 02:37      | 29            | 100.00%   |
+------------------+------------+---------------+-----------+
| neutron          | 10:19      | 31            | 100.00%   |
+------------------+------------+---------------+-----------+
| nova             | 47:19      | 61            | 100.00%   |
+------------------+------------+---------------+-----------+
| quotas           | 01:13      | 7             | 100.00%   |
+------------------+------------+---------------+-----------+
| requests         | 00:40      | 2             | 100.00%   |
+------------------+------------+---------------+-----------+
+==================+============+===============+===========+
| TOTAL:           | 01:41:19   | 232           | 100.00%   |
+==================+============+===============+===========+
```

3.16 Feature tests

3.16.1 vIMS

```
FUNCTEST.info: Running vIMS test...
vIMS - INFO - Prepare OpenStack plateform (create tenant and user)
vIMS - INFO - Update OpenStack creds informations
vIMS - INFO - Upload some OS images if it doesn't exist
vIMS - INFO - centos_7 image doesn't exist on glance repository.
                          Try downloading this image and upload on glance !
vIMS - INFO - ubuntu_14.04 image doesn't exist on glance repository.
                          Try downloading this image and upload on glance !
vIMS - INFO - Update security group quota for this tenant
vIMS - INFO - Update cinder quota for this tenant
vIMS - INFO - Collect flavor id for cloudify manager server
vIMS - INFO - Prepare virtualenv for cloudify-cli
```

```
vIMS - INFO - Downloading the cloudify manager server blueprint
vIMS - INFO - Cloudify deployment Start Time:'2016-02-19 05:44:47'
vIMS - INFO - Writing the inputs file
vIMS - INFO - Launching the cloudify-manager deployment
vIMS - INFO - Cloudify-manager server is UP !
vIMS - INFO - Cloudify deployment duration:'1149.9'
vIMS - INFO - Collect flavor id for all clearwater vm
vIMS - INFO - vIMS VNF deployment Start Time:'2016-02-19 06:04:00'
vIMS - INFO - Downloading the openstack-blueprint.yaml blueprint
vIMS - INFO - Writing the inputs file
vIMS - INFO - Launching the clearwater deployment
vIMS - INFO - The deployment of clearwater-opnfv is ended
vIMS - INFO - vIMS VNF deployment duration:'1133.8'
vIMS - INFO - vIMS functional test Start Time:'2016-02-19 06:25:59'
vIMS - INFO - vIMS functional test duration:'2.9'
vIMS - INFO - Launching the clearwater-opnfv undeployment
vIMS - ERROR - Error when executing command /bin/bash -c 'source /home/opnfv/functest/data/vIMS/venv_
vIMS - INFO - Launching the cloudify-manager undeployment
vIMS - INFO - Cloudify-manager server has been successfully removed!
vIMS - INFO - Removing vIMS tenant ..
vIMS - INFO - Removing vIMS user ..
```

3.16.2 Promise

```
FUNCTEST.info: Running PROMISE test case...
Promise- INFO - Creating tenant 'promise'...
Promise- INFO - Adding role '9d0a0a36d3d54cdcb4cd3c29c5f79a28' to tenant 'promise'...
Promise- INFO - Creating user 'promiser'...
Promise- INFO - Updating OpenStack credentials...
Promise- INFO - Creating image 'promise-img' from '/home/opnfv/functest/data/cirros-0.3.4-x86_64-disk
Promise- INFO - Creating flavor 'promise-flavor'...
Promise- INFO - Exporting environment variables...
Promise- INFO - Running command: npm run -s test -- --reporter json
Promise- INFO - The test succeeded.
Promise- DEBUG -
{
  "stats": {
    "suites": 23,
    "tests": 33,
    "passes": 33,
    "pending": 0,
    "failures": 0,
    "start": "2016-02-23T02:24:39.314Z",
    "end": "2016-02-23T02:24:44.838Z",
    "duration": 5524
  },
  "tests": [
    {
      "title": "should add a new OpenStack provider without error",
      "fullTitle": "promise register OpenStack into resource pool add-provider should add a new OpenS
      "duration": 1217,
      "err": {}
    },
    {
      "title": "should update promise.providers with a new entry",
      "fullTitle": "promise register OpenStack into resource pool add-provider should update promise.
```

```
      "duration": 10,
      "err": {}
    },
    {
      "title": "should contain a new ResourceProvider record in the store",
      "fullTitle": "promise register OpenStack into resource pool add-provider should contain a new R
      "duration": 0,
      "err": {}
    },
    {
      "title": "should add more capacity to the reservation service without error",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should add more c
      "duration": 25,
      "err": {}
    },
    {
      "title": "should update promise.pools with a new entry",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should update pro
      "duration": 1,
      "err": {}
    },
    {
      "title": "should contain a ResourcePool record in the store",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should contain a
      "duration": 0,
      "err": {}
    },
    {
      "title": "should report total collections and utilizations",
      "fullTitle": "promise register OpenStack into resource pool query-capacity should report total
      "duration": 18,
      "err": {}
    },
    {
      "title": "should contain newly added capacity pool",
      "fullTitle": "promise register OpenStack into resource pool query-capacity should contain newly
      "duration": 8,
      "err": {}
    },
    {
      "title": "should create a new server in target provider without error",
      "fullTitle": "promise allocation without reservation create-instance should create a new server
      "duration": 1768,
      "err": {}
    },
    {
      "title": "should update promise.allocations with a new entry",
      "fullTitle": "promise allocation without reservation create-instance should update promise.allo
      "duration": 2,
      "err": {}
    },
    {
      "title": "should contain a new ResourceAllocation record in the store",
      "fullTitle": "promise allocation without reservation create-instance should contain a new Resou
      "duration": 0,
      "err": {}
    },
    {
```

```
      "title": "should reference the created server ID from the provider",
      "fullTitle": "promise allocation without reservation create-instance should reference the creat
      "duration": 1,
      "err": {}
    },
    {
      "title": "should have low priority state",
      "fullTitle": "promise allocation without reservation create-instance should have low priority s
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create reservation record (no start/end) without error",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 41,
      "err": {}
    },
    {
      "title": "should update promise.reservations with a new entry",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 7,
      "err": {}
    },
    {
      "title": "should contain a new ResourceReservation record in the store",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create a new server in target provider (with reservation) without error",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should cre
      "duration": 1617,
      "err": {}
    },
    {
      "title": "should contain a new ResourceAllocation record in the store",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should cor
      "duration": 1,
      "err": {}
    },
    {
      "title": "should be referenced in the reservation record",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should be
      "duration": 7,
      "err": {}
    },
    {
      "title": "should have high priority state",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should hav
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create reservation record (for future) without error",
      "fullTitle": "promise reservation for future use create-reservation should create reservation r
      "duration": 75,
      "err": {}
```

```
    },
    {
      "title": "should update promise.reservations with a new entry",
      "fullTitle": "promise reservation for future use create-reservation should update promise.reser
      "duration": 17,
      "err": {}
    },
    {
      "title": "should contain a new ResourceReservation record in the store",
      "fullTitle": "promise reservation for future use create-reservation should contain a new Resour
      "duration": 0,
      "err": {}
    },
    {
      "title": "should contain newly created future reservation",
      "fullTitle": "promise reservation for future use query-reservation should contain newly created
      "duration": 61,
      "err": {}
    },
    {
      "title": "should modify existing reservation without error",
      "fullTitle": "promise reservation for future use update-reservation should modify existing rese
      "duration": 65,
      "err": {}
    },
    {
      "title": "should modify existing reservation without error",
      "fullTitle": "promise reservation for future use cancel-reservation should modify existing rese
      "duration": 17,
      "err": {}
    },
    {
      "title": "should no longer contain record of the deleted reservation",
      "fullTitle": "promise reservation for future use cancel-reservation should no longer contain re
      "duration": 0,
      "err": {}
    },
    {
      "title": "should decrease available capacity from a provider in the future",
      "fullTitle": "promise capacity planning decrease-capacity should decrease available capacity fr
      "duration": 15,
      "err": {}
    },
    {
      "title": "should increase available capacity from a provider in the future",
      "fullTitle": "promise capacity planning increase-capacity should increase available capacity fr
      "duration": 11,
      "err": {}
    },
    {
      "title": "should report available collections and utilizations",
      "fullTitle": "promise capacity planning query-capacity should report available collections and
      "duration": 56,
      "err": {}
    },
    {
      "title": "should fail to create immediate reservation record with proper error",
      "fullTitle": "promise reservation with conflict create-reservation should fail to create immedi
```

```
      "duration": 60,
      "err": {}
    },
    {
      "title": "should fail to create future reservation record with proper error",
      "fullTitle": "promise reservation with conflict create-reservation should fail to create future
      "duration": 38,
      "err": {}
    },
    {
      "title": "should successfully destroy all allocations",
      "fullTitle": "promise cleanup test allocations destroy-instance should successfully destroy all
      "duration": 361,
      "err": {}
    }
  ],
  "pending": [],
  "failures": [],
  "passes": [
    {
      "title": "should add a new OpenStack provider without error",
      "fullTitle": "promise register OpenStack into resource pool add-provider should add a new OpenS
      "duration": 1217,
      "err": {}
    },
    {
      "title": "should update promise.providers with a new entry",
      "fullTitle": "promise register OpenStack into resource pool add-provider should update promise.
      "duration": 10,
      "err": {}
    },
    {
      "title": "should contain a new ResourceProvider record in the store",
      "fullTitle": "promise register OpenStack into resource pool add-provider should contain a new R
      "duration": 0,
      "err": {}
    },
    {
      "title": "should add more capacity to the reservation service without error",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should add more c
      "duration": 25,
      "err": {}
    },
    {
      "title": "should update promise.pools with a new entry",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should update pro
      "duration": 1,
      "err": {}
    },
    {
      "title": "should contain a ResourcePool record in the store",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should contain a
      "duration": 0,
      "err": {}
    },
    {
      "title": "should report total collections and utilizations",
      "fullTitle": "promise register OpenStack into resource pool query-capacity should report total
```

```
      "duration": 18,
      "err": {}
    },
    {
      "title": "should contain newly added capacity pool",
      "fullTitle": "promise register OpenStack into resource pool query-capacity should contain newly
      "duration": 8,
      "err": {}
    },
    {
      "title": "should create a new server in target provider without error",
      "fullTitle": "promise allocation without reservation create-instance should create a new server
      "duration": 1768,
      "err": {}
    },
    {
      "title": "should update promise.allocations with a new entry",
      "fullTitle": "promise allocation without reservation create-instance should update promise.allo
      "duration": 2,
      "err": {}
    },
    {
      "title": "should contain a new ResourceAllocation record in the store",
      "fullTitle": "promise allocation without reservation create-instance should contain a new Resou
      "duration": 0,
      "err": {}
    },
    {
      "title": "should reference the created server ID from the provider",
      "fullTitle": "promise allocation without reservation create-instance should reference the creat
      "duration": 1,
      "err": {}
    },
    {
      "title": "should have low priority state",
      "fullTitle": "promise allocation without reservation create-instance should have low priority s
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create reservation record (no start/end) without error",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 41,
      "err": {}
    },
    {
      "title": "should update promise.reservations with a new entry",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 7,
      "err": {}
    },
    {
      "title": "should contain a new ResourceReservation record in the store",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 0,
      "err": {}
    },
    {
```

```
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      "fullTitle": "promise allocation using reservation for immediate use create-instance should cre
      "duration": 1617,
      "err": {}
    },
    {
      "title": "should contain a new ResourceAllocation record in the store",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should con
      "duration": 1,
      "err": {}
    },
    {
      "title": "should be referenced in the reservation record",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should be
      "duration": 7,
      "err": {}
    },
    {
      "title": "should have high priority state",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should hav
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create reservation record (for future) without error",
      "fullTitle": "promise reservation for future use create-reservation should create reservation r
      "duration": 75,
      "err": {}
    },
    {
      "title": "should update promise.reservations with a new entry",
      "fullTitle": "promise reservation for future use create-reservation should update promise.reser
      "duration": 17,
      "err": {}
    },
    {
      "title": "should contain a new ResourceReservation record in the store",
      "fullTitle": "promise reservation for future use create-reservation should contain a new Resour
      "duration": 0,
      "err": {}
    },
    {
      "title": "should contain newly created future reservation",
      "fullTitle": "promise reservation for future use query-reservation should contain newly created
      "duration": 61,
      "err": {}
    },
    {
      "title": "should modify existing reservation without error",
      "fullTitle": "promise reservation for future use update-reservation should modify existing rese
      "duration": 65,
      "err": {}
    },
    {
      "title": "should modify existing reservation without error",
      "fullTitle": "promise reservation for future use cancel-reservation should modify existing rese
      "duration": 17,
      "err": {}
```

```
    },
    {
      "title": "should no longer contain record of the deleted reservation",
      "fullTitle": "promise reservation for future use cancel-reservation should no longer contain re
      "duration": 0,
      "err": {}
    },
    {
      "title": "should decrease available capacity from a provider in the future",
      "fullTitle": "promise capacity planning decrease-capacity should decrease available capacity fr
      "duration": 15,
      "err": {}
    },
    {
      "title": "should increase available capacity from a provider in the future",
      "fullTitle": "promise capacity planning increase-capacity should increase available capacity fr
      "duration": 11,
      "err": {}
    },
    {
      "title": "should report available collections and utilizations",
      "fullTitle": "promise capacity planning query-capacity should report available collections and
      "duration": 56,
      "err": {}
    },
    {
      "title": "should fail to create immediate reservation record with proper error",
      "fullTitle": "promise reservation with conflict create-reservation should fail to create immedi
      "duration": 60,
      "err": {}
    },
    {
      "title": "should fail to create future reservation record with proper error",
      "fullTitle": "promise reservation with conflict create-reservation should fail to create future
      "duration": 38,
      "err": {}
    },
    {
      "title": "should successfully destroy all allocations",
      "fullTitle": "promise cleanup test allocations destroy-instance should successfully destroy all
      "duration": 361,
      "err": {}
    }
  ]
}
Promise- INFO -
****************************************
          Promise test report

****************************************
 Suites:    23
 Tests:     33
 Passes:    33
 Pending:   0
 Failures:  0
 Start:     2016-02-18T13:37:06.661Z
 End:       2016-02-18T13:37:12.962Z
 Duration:  6.301
```

```
**************************************
```

3.17 Detailed test results for fuel-os-odl_l2-nofeature-ha

3.18 VIM

3.18.1 vping_ssh

```
FUNCTEST.info: Running vPing-SSH test...
vPing_ssh- INFO - Creating image 'functest-vping' from '/home/opnfv/functest/data/cirros-0.3.4-x86_64
vPing_ssh- INFO - Creating neutron network vping-net...
vPing_ssh- INFO - Creating security group  'vPing-sg'...
vPing_ssh- INFO - Using existing Flavor 'm1.small'...
vPing_ssh- INFO - vPing Start Time:'2016-02-18 13:27:35'
vPing_ssh- INFO - Creating instance 'opnfv-vping-1'...
 name=opnfv-vping-1
 flavor=<Flavor: m1.small>
 image=fff41d5d-579a-4c26-844d-4e86700c44f6
 network=a5137d46-dea8-4f85-8872-08c4a5927182

vPing_ssh- INFO - Instance 'opnfv-vping-1' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-1' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating instance 'opnfv-vping-2'...
 name=opnfv-vping-2
 flavor=<Flavor: m1.small>
 image=fff41d5d-579a-4c26-844d-4e86700c44f6
 network=a5137d46-dea8-4f85-8872-08c4a5927182

vPing_ssh- INFO - Instance 'opnfv-vping-2' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-2' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating floating IP for VM 'opnfv-vping-2'...
vPing_ssh- INFO - Floating IP created: '10.118.101.200'
vPing_ssh- INFO - Associating floating ip: '10.118.101.200' to VM 'opnfv-vping-2'
vPing_ssh- INFO - Trying to establish SSH connection to 10.118.101.200...
vPing_ssh- INFO - Waiting for ping...
vPing_ssh- INFO - vPing detected!
vPing_ssh- INFO - vPing duration:'42.1' s.
vPing_ssh- INFO - Cleaning up...
vPing_ssh- INFO - vPing OK
```

3.18.2 vping_userdata

```
FUNCTEST.info: Running vPing-userdata test...
vPing_userdata- INFO - Creating image 'functest-vping' from '/home/opnfv/functest/data/cirros-0.3.4-x
vPing_userdata- INFO - Creating neutron network vping-net...
vPing_userdata- INFO - Creating security group  'vPing-sg'...
vPing_userdata- INFO - Flavor found 'm1.small'
vPing_userdata- INFO - vPing Start Time:'2016-02-18 13:29:00'
vPing_userdata- INFO - Creating instance 'opnfv-vping-1'...
 name=opnfv-vping-1
 flavor=<Flavor: m1.small>
 image=5e34c73d-91d0-4852-a407-5a4b4c1932c6
 network=a1efb318-1338-436f-8f26-3a1bacab0538
```

```
vPing_userdata- INFO - Instance 'opnfv-vping-1' is ACTIVE.
vPing_userdata- INFO - Creating instance 'opnfv-vping-2'...
 name=opnfv-vping-2
 flavor=<Flavor: m1.small>
 image=5e34c73d-91d0-4852-a407-5a4b4c1932c6
 network=a1efb318-1338-436f-8f26-3a1bacab0538
 userdata=
#!/bin/sh

while true; do
 ping -c 1 192.168.130.4 2>&1 >/dev/null
 RES=$?
 if [ "Z$RES" = "Z0" ] ; then
  echo 'vPing OK'
 break
 else
  echo 'vPing KO'
 fi
 sleep 1
done

vPing_userdata- INFO - Instance 'opnfv-vping-2' is ACTIVE.
vPing_userdata- INFO - Waiting for ping...
vPing_userdata- INFO - vPing detected!
vPing_userdata- INFO - vPing duration:'28.6'
vPing_userdata- INFO - vPing OK
vPing_userdata- INFO - Cleaning up...
vPing_userdata- INFO - Deleting network 'vping-net'...
```

3.18.3 Tempest

```
+-------------------------------------------------------------------------------------------------
| name
+-------------------------------------------------------------------------------------------------
| tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_get_flavor
| tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_list_flavors
| tempest.api.compute.images.test_images.ImagesTestJSON.test_delete_saving_image
| tempest.api.compute.images.test_images_oneserver.ImagesOneServerTestJSON.test_create_delete_image
| tempest.api.compute.images.test_images_oneserver.ImagesOneServerTestJSON.test_create_image_specify_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_limit_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_get_image
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_list_images
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_list_images_with_detail
| tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_secur
```

| tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_secur
| tempest.api.compute.security_groups.test_security_groups.SecurityGroupsTestJSON.test_security_group
| tempest.api.compute.servers.test_attach_interfaces.AttachInterfacesTestJSON.test_add_remove_fixed_i
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_host_name_is_same_as_server_nar
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_created_server_vcpus
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_server_details
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_host_name_is_same_as_serv
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_created_server_vcp
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_server_details
| tempest.api.compute.servers.test_instance_actions.InstanceActionsTestJSON.test_get_instance_action
| tempest.api.compute.servers.test_instance_actions.InstanceActionsTestJSON.test_list_instance_actior
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_change_server_password
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_get_console_output
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_lock_unlock_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_hard
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_soft
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_rebuild_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_resize_server_confirm
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_resize_server_revert
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_stop_start_server
| tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresse
| tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresse
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_delete_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_get_server_metadata_it
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_list_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_set_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_set_server_metadata_it
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_update_server_metadata
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_server_with_admin_password

| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_specify_keypair
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_with_existing_server_name
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_access_server_address
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_server_name
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_numeric_serve
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_server_metada
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_server_name_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_a_server_of_a
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_server_pass_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_server_pass_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_get_non_existent_ser
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_invalid_ip_v6_addres
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_reboot_non_existent_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_rebuild_non_existent
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_resize_server_with_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_resize_server_with_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_server_name_blank
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_stop_non_existent_se
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_name_of_non_e
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_name_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_of_and
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_set_en
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_keypair_in_analt_user_tena
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_server_fails_when_tenant_i
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_server_with_unauthorized_i
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_get_keypair_of_alt_account_fails
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_get_metadata_of_alt_account_serve
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_set_metadata_of_alt_account_serve
| tempest.api.compute.test_quotas.QuotasTestJSON.test_get_default_quotas
| tempest.api.compute.test_quotas.QuotasTestJSON.test_get_quotas
| tempest.api.compute.volumes.test_attach_volume.AttachVolumeTestJSON.test_attach_detach_volume
| tempest.api.compute.volumes.test_volumes_list.VolumesTestJSON.test_volume_list
| tempest.api.compute.volumes.test_volumes_list.VolumesTestJSON.test_volume_list_with_details
| tempest.api.compute.volumes.test_volumes_negative.VolumesNegativeTest.test_get_invalid_volume_id
| tempest.api.compute.volumes.test_volumes_negative.VolumesNegativeTest.test_get_volume_without_passi
| tempest.api.identity.admin.v2.test_services.ServicesTestJSON.test_list_services
| tempest.api.identity.admin.v2.test_users.UsersTestJSON.test_create_user
| tempest.api.identity.admin.v3.test_credentials.CredentialsTestJSON.test_credentials_create_get_upda
| tempest.api.identity.admin.v3.test_domains.DefaultDomainTestJSON.test_default_domain_exists
| tempest.api.identity.admin.v3.test_domains.DomainsTestJSON.test_create_update_delete_domain
| tempest.api.identity.admin.v3.test_endpoints.EndPointsTestJSON.test_update_endpoint
| tempest.api.identity.admin.v3.test_groups.GroupsV3TestJSON.test_group_users_add_list_delete
| tempest.api.identity.admin.v3.test_policies.PoliciesTestJSON.test_create_update_delete_policy
| tempest.api.identity.admin.v3.test_regions.RegionsTestJSON.test_create_region_with_specific_id
| tempest.api.identity.admin.v3.test_roles.RolesV3TestJSON.test_role_create_update_get_list
| tempest.api.identity.admin.v3.test_services.ServicesTestJSON.test_create_update_get_service
| tempest.api.identity.admin.v3.test_trusts.TrustsV3TestJSON.test_get_trusts_all
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.image.v1.test_images.ListImagesTest.test_index_no_params
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_delete_image

```
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_register_upload_get_image_file
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_update_image
| tempest.api.network.test_extensions.ExtensionsTestJSON.test_list_show_extensions
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_floating_ip_specifying_a_fixed
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_list_show_update_delete_floati
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_port
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_port
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_subnets
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_subnet
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_list_subnets
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_show_subnet
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_port_in_allowed_allocation_pools
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_port_with_no_securitygroups
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_update_delete_port
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_list_ports
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_show_port
| tempest.api.network.test_ports.PortsTestJSON.test_create_port_in_allowed_allocation_pools
| tempest.api.network.test_ports.PortsTestJSON.test_create_port_with_no_securitygroups
| tempest.api.network.test_ports.PortsTestJSON.test_create_update_delete_port
| tempest.api.network.test_ports.PortsTestJSON.test_list_ports
| tempest.api.network.test_ports.PortsTestJSON.test_show_port
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_multiple_router_interfaces
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_remove_router_interface_with_port_id
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_remove_router_interface_with_subnet_id
| tempest.api.network.test_routers.RoutersIpV6Test.test_create_show_list_update_delete_router
| tempest.api.network.test_routers.RoutersTest.test_add_multiple_router_interfaces
| tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_port_id
| tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_subnet_id
| tempest.api.network.test_routers.RoutersTest.test_create_show_list_update_delete_router
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_list_update_show_delete_secur
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_show_delete_security_group_ru
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_list_security_groups
| tempest.api.network.test_security_groups.SecGroupTest.test_create_list_update_show_delete_security_
| tempest.api.network.test_security_groups.SecGroupTest.test_create_show_delete_security_group_rule
| tempest.api.network.test_security_groups.SecGroupTest.test_list_security_groups
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_list
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_show
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_template
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_list
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_metadata
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_software_config
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_create_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_crud_no_resources
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_list_responds
```

```
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_
| tempest.api.volume.test_volumes_actions.VolumesV1ActionsTest.test_attach_detach_volume_to_instance
| tempest.api.volume.test_volumes_actions.VolumesV2ActionsTest.test_attach_detach_volume_to_instance
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_list.VolumesV1ListTestJSON.test_volume_list
| tempest.api.volume.test_volumes_list.VolumesV2ListTestJSON.test_volume_list
| tempest.scenario.test_network_basic_ops.TestNetworkBasicOps.test_network_basic_ops
| tempest.scenario.test_server_basic_ops.TestServerBasicOps.test_server_basicops
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPattern.test_volume_boot_pattern
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPatternV2.test_volume_boot_pattern
+-------------------------------------------------------------------------------------------------
run_tempest - INFO - Results: {'timestart': '2016-02-1905:28:37.031139', 'duration': 730, 'tests': 21
```

3.18.4 Rally

```
FUNCTEST.info: Running Rally benchmark suite...
run_rally - INFO - Starting test scenario "authenticate" ...
run_rally - INFO -
 Preparing input task
 Task  c7f4e0fd-a882-4e14-ba02-553118d0cb77: started
Task c7f4e0fd-a882-4e14-ba02-553118d0cb77: finished

test scenario Authenticate.validate_glance
+-------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+---
| action                          | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+---
| authenticate.validate_glance    | 0.535 | 0.78   | 0.847  | 0.86   | 0.874 | 0.74  | 100.0%  | 10
| authenticate.validate_glance (2)| 0.667 | 0.689  | 0.793  | 0.807  | 0.821 | 0.717 | 100.0%  | 10
| total                           | 1.381 | 1.677  | 1.718  | 1.735  | 1.752 | 1.625 | 100.0%  | 10
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+---
Load duration: 4.80417394638
Full duration: 12.8028140068



test scenario Authenticate.keystone
+-----------------------------------------------------------------------------+
|                            Response Times (sec)                             |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
| action | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
| total  | 0.121 | 0.149  | 0.163  | 0.164  | 0.166 | 0.149 | 100.0%  | 10    |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.489310979843
Full duration: 7.96697187424



test scenario Authenticate.validate_heat
+-------------------------------------------------------------------------------------------------
```

```
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| authenticate.validate_heat     | 0.259 | 0.318  | 0.482  | 0.511  | 0.539 | 0.371 | 100.0%  | 10
| authenticate.validate_heat (2) | 0.051 | 0.287  | 0.385  | 0.386  | 0.387 | 0.24  | 100.0%  | 10
| total                          | 0.512 | 0.771  | 0.957  | 0.996  | 1.035 | 0.776 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
Load duration: 2.53649091721
Full duration: 10.2540290356



test scenario Authenticate.validate_nova
+-------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| authenticate.validate_nova     | 0.3   | 0.332  | 0.474  | 0.482  | 0.489 | 0.368 | 100.0%  | 10
| authenticate.validate_nova (2) | 0.034 | 0.049  | 0.059  | 0.065  | 0.07  | 0.05  | 100.0%  | 10
| total                          | 0.499 | 0.564  | 0.716  | 0.722  | 0.727 | 0.586 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
Load duration: 1.84303689003
Full duration: 9.65319395065



test scenario Authenticate.validate_cinder
+-------------------------------------------------------------------------------------------------------
|                                         Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_cinder     | 0.274 | 0.428  | 0.475  | 0.509  | 0.543 | 0.405 | 100.0%  | 10
| authenticate.validate_cinder (2) | 0.025 | 0.424  | 0.455  | 0.456  | 0.458 | 0.376 | 100.0%  | 10
| total                          | 0.469 | 1.071  | 1.131  | 1.141  | 1.151 | 0.964 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 2.72650790215
Full duration: 10.753674984



test scenario Authenticate.validate_neutron
+-------------------------------------------------------------------------------------------------------
|                                          Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+---
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | co
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+---
| authenticate.validate_neutron     | 0.28  | 0.302  | 0.32   | 0.326  | 0.333 | 0.303 | 100.0%  | 10
| authenticate.validate_neutron (2) | 0.046 | 0.31   | 0.334  | 0.34   | 0.346 | 0.262 | 100.0%  | 10
| total                          | 0.467 | 0.764  | 0.81   | 0.838  | 0.866 | 0.728 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+---
Load duration: 2.37260484695
Full duration: 9.99744796753
```

```
run_rally - INFO - Test scenario: "authenticate" OK.

run_rally - INFO - Starting test scenario "glance" ...
run_rally - INFO -
 Preparing input task
 Task  d54fa25b-b992-4b4e-bef2-14425b86329c: started
Task d54fa25b-b992-4b4e-bef2-14425b86329c: finished

test scenario GlanceImages.list_images
+--------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                     |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.list_images | 0.877 | 0.902  | 0.997  | 0.998  | 0.999 | 0.932 | 100.0%  | 10    |
| total              | 0.877 | 0.902  | 0.997  | 0.998  | 0.999 | 0.932 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.92263484001
Full duration: 13.4585630894



test scenario GlanceImages.create_image_and_boot_instances
+--------------------------------------------------------------------------------------------------+
|                                     Response Times (sec)                                         |
+--------------------+--------+--------+--------+--------+-------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max   | avg    | success | count |
+--------------------+--------+--------+--------+--------+-------+--------+---------+-------+
| glance.create_image | 7.386  | 7.929  | 8.381  | 8.481  | 8.581 | 7.97   | 100.0%  | 10    |
| nova.boot_servers   | 8.641  | 10.384 | 10.714 | 11.007 | 11.3  | 10.241 | 100.0%  | 10    |
| total              | 16.702 | 18.427 | 18.943 | 19.047 | 19.15 | 18.211 | 100.0%  | 10    |
+--------------------+--------+--------+--------+--------+-------+--------+---------+-------+
Load duration: 54.6946680546
Full duration: 110.071588039



test scenario GlanceImages.create_and_list_image
+-----------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                  |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.create_image | 7.081 | 7.618  | 8.085  | 8.19   | 8.296 | 7.689 | 100.0%  | 10    |
| glance.list_images  | 0.324 | 0.573  | 0.642  | 0.714  | 0.786 | 0.573 | 100.0%  | 10    |
| total              | 7.612 | 8.241  | 8.722  | 8.902  | 9.082 | 8.262 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 24.6801600456
Full duration: 39.2870121002



test scenario GlanceImages.create_and_delete_image
+-----------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                  |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

```
| glance.create_image | 7.449 | 7.593  | 7.856  | 8.073  | 8.289  | 7.673 | 100.0%  | 10    |
| glance.delete_image | 2.001 | 2.442  | 12.75  | 13.42  | 14.089 | 5.507 | 100.0%  | 10    |
| total               | 9.487 | 10.064 | 20.503 | 21.441 | 22.378 | 13.18 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 40.0675120354
Full duration: 50.2370131016



run_rally - INFO - Test scenario: "glance" OK.

run_rally - INFO - Starting test scenario "cinder" ...
run_rally - INFO -
 Preparing input task
 Task  6b2be534-fd42-4a5f-be0e-9a789027d4b3: started
Task 6b2be534-fd42-4a5f-be0e-9a789027d4b3: finished

test scenario CinderVolumes.create_and_attach_volume
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server    | 7.135  | 7.936  | 8.663  | 8.672  | 8.68   | 7.941  | 100.0%  | 10    |
| cinder.create_volume| 3.274  | 3.507  | 4.072  | 4.096  | 4.12   | 3.616  | 100.0%  | 10    |
| nova.attach_volume  | 4.012  | 4.845  | 6.553  | 6.624  | 6.694  | 5.31   | 100.0%  | 10    |
| nova.detach_volume  | 3.256  | 3.739  | 3.938  | 4.096  | 4.253  | 3.716  | 100.0%  | 10    |
| cinder.delete_volume| 0.464  | 2.707  | 2.98   | 3.154  | 3.328  | 1.98   | 100.0%  | 10    |
| nova.delete_server  | 2.784  | 3.059  | 3.15   | 3.19   | 3.23   | 3.04   | 100.0%  | 10    |
| total               | 22.316 | 26.079 | 27.631 | 28.362 | 29.094 | 25.604 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 73.9451169968
Full duration: 116.516190052



test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| cinder.create_volume| 9.065 | 9.591  | 9.94   | 9.943  | 9.945  | 9.554 | 100.0%  | 10    |
| cinder.list_volumes | 0.048 | 0.346  | 0.386  | 0.394  | 0.402  | 0.301 | 100.0%  | 10    |
| total               | 9.138 | 9.94   | 10.313 | 10.324 | 10.335 | 9.855 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 28.8989629745
Full duration: 51.7012848854



test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume| 3.251 | 3.883  | 4.897  | 4.899  | 4.901 | 4.006 | 100.0%  | 10    |
```

| cinder.list_volumes | 0.055 | 0.072 | 0.333 | 0.334 | 0.334 | 0.145 | 100.0% | 10 |
| total | 3.313 | 3.952 | 5.212 | 5.223 | 5.234 | 4.151 | 100.0% | 10 |

Load duration: 11.7280011177
Full duration: 34.1200621128

test scenario CinderVolumes.create_and_list_snapshots

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_snapshot	2.973	3.289	5.554	5.57	5.585	3.702	100.0%	10
cinder.list_snapshots	0.027	0.162	0.313	0.32	0.326	0.168	100.0%	10
total	3.001	3.593	5.586	5.601	5.616	3.871	100.0%	10

Load duration: 10.6676809788
Full duration: 51.8370318413

test scenario CinderVolumes.create_and_delete_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.324	3.69	4.382	4.392	4.403	3.828	100.0%	10
cinder.delete_volume	0.625	2.781	3.053	3.199	3.345	2.086	100.0%	10
total	4.288	6.438	7.073	7.173	7.273	5.914	100.0%	10

Load duration: 18.0577061176
Full duration: 35.664162159

test scenario CinderVolumes.create_and_delete_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	7.41	9.74	10.091	10.094	10.097	9.522	100.0%	10
cinder.delete_volume	0.54	0.965	3.092	3.097	3.103	1.691	100.0%	10
total	7.95	10.903	12.9	12.964	13.029	11.214	100.0%	10

Load duration: 33.3823940754
Full duration: 52.0277431011

test scenario CinderVolumes.create_and_delete_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count

```
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.681 | 3.946  | 4.01   | 4.051  | 4.092 | 3.903 | 100.0%  | 10    |
| cinder.delete_volume | 0.506 | 2.848  | 3.217  | 3.222  | 3.228 | 2.122 | 100.0%  | 10    |
| total                | 4.188 | 6.787  | 7.161  | 7.175  | 7.189 | 6.026 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 18.0166649818
Full duration: 35.4839038849



test scenario CinderVolumes.create_and_upload_volume_to_image
+-------------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+-------------------------------+--------+--------+--------+--------+--------+--------+---------+---------+---
| action                        | min    | median | 90%ile | 95%ile | max    | avg    | success | count   | cou
+-------------------------------+--------+--------+--------+--------+--------+--------+---------+---------+---
| cinder.create_volume          | 3.672  | 4.074  | 4.522  | 4.546  | 4.57   | 4.114  | 100.0%  | 10      | 10
| cinder.upload_volume_to_image | 21.673 | 31.257 | 31.931 | 31.979 | 32.027 | 29.253 | 100.0%  | 10      | 10
| cinder.delete_volume          | 0.56   | 2.568  | 3.011  | 3.067  | 3.123  | 2.293  | 100.0%  | 10      | 10
| nova.delete_image             | 2.137  | 2.51   | 2.606  | 2.681  | 2.756  | 2.451  | 100.0%  | 10      | 10
| total                         | 28.587 | 39.952 | 40.849 | 41.35  | 41.852 | 38.112 | 100.0%  | 10      | 10
+-------------------------------+--------+--------+--------+--------+--------+--------+---------+---------+---
Load duration: 110.444069147
Full duration: 131.52224803



test scenario CinderVolumes.create_and_delete_snapshot
+-------------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                         |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_snapshot | 3.208 | 3.343  | 5.587  | 5.628  | 5.669 | 3.788 | 100.0%  | 10    |
| cinder.delete_snapshot | 2.503 | 2.86   | 3.196  | 3.217  | 3.239 | 2.893 | 100.0%  | 10    |
| total                  | 5.787 | 6.422  | 8.296  | 8.392  | 8.488 | 6.681 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 18.7773430347
Full duration: 53.0582361221



test scenario CinderVolumes.create_volume
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+------+--------+--------+--------+-------+-------+---------+-------+
| action               | min  | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.52 | 3.822  | 4.222  | 4.228  | 4.233 | 3.852 | 100.0%  | 10    |
| total                | 3.52 | 3.822  | 4.223  | 4.228  | 4.233 | 3.852 | 100.0%  | 10    |
+----------------------+------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 11.2881109715
Full duration: 29.6710369587



test scenario CinderVolumes.create_volume
+-------------------------------------------------------------------------------------------------+
```

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.248	3.651	3.891	3.988	4.084	3.645	100.0%	10
total	3.249	3.652	3.891	3.988	4.084	3.645	100.0%	10

Load duration: 10.7785470486
Full duration: 32.9540159702

test scenario CinderVolumes.list_volumes

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.list_volumes	0.499	0.52	0.539	0.55	0.561	0.522	100.0%	10
total	0.499	0.52	0.539	0.55	0.561	0.523	100.0%	10

Load duration: 1.60948395729
Full duration: 65.5444660187

test scenario CinderVolumes.create_nested_snapshots_and_attach_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.547	3.82	3.891	3.927	3.962	3.787	100.0%	10
cinder.create_snapshot	2.552	2.875	3.173	3.215	3.257	2.931	100.0%	10
nova.attach_volume	3.633	5.774	8.279	8.853	9.427	6.038	100.0%	10
nova.detach_volume	3.599	3.826	4.233	4.444	4.655	3.905	100.0%	10
cinder.delete_snapshot	2.22	2.537	2.852	2.971	3.09	2.577	100.0%	10
cinder.delete_volume	0.648	2.735	2.845	2.892	2.939	2.321	100.0%	10
total	18.538	22.642	25.806	26.204	26.601	22.745	100.0%	10

Load duration: 66.8299760818
Full duration: 173.895985842

test scenario CinderVolumes.create_from_volume_and_delete_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.481	3.953	4.613	5.302	5.991	4.167	100.0%	10
cinder.delete_volume	1.163	3.065	3.469	3.474	3.479	2.919	100.0%	10
total	5.012	7.114	7.89	8.462	9.034	7.087	100.0%	10

Load duration: 20.8082921505
Full duration: 55.4062600136

```
test scenario CinderVolumes.create_and_extend_volume
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+----------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| cinder.create_volume | 3.417 | 3.839  | 3.908  | 3.925  | 3.941  | 3.742 | 100.0%  | 10    |
| cinder.extend_volume | 0.938 | 2.978  | 3.574  | 3.713  | 3.853  | 2.396 | 100.0%  | 10    |
| cinder.delete_volume | 0.577 | 1.808  | 3.066  | 3.146  | 3.225  | 1.858 | 100.0%  | 10    |
| total                | 5.44  | 8.275  | 9.921  | 10.095 | 10.269 | 7.997 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 23.5873560905
Full duration: 41.9279878139



test scenario CinderVolumes.create_snapshot_and_attach_volume
+-------------------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                               |
+------------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+------------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume   | 3.668 | 3.89   | 4.255  | 4.266  | 4.277  | 3.937  | 100.0%  | 10    |
| cinder.create_snapshot | 2.268 | 2.949  | 3.306  | 3.36   | 3.414  | 2.903  | 100.0%  | 10    |
| nova.attach_volume     | 3.471 | 4.393  | 7.358  | 8.251  | 9.145  | 5.113  | 100.0%  | 10    |
| nova.detach_volume     | 3.277 | 3.925  | 4.509  | 4.566  | 4.622  | 3.926  | 100.0%  | 10    |
| cinder.delete_snapshot | 2.286 | 2.607  | 2.849  | 2.862  | 2.875  | 2.614  | 100.0%  | 10    |
| cinder.delete_volume   | 0.591 | 2.677  | 2.96   | 3.019  | 3.078  | 2.352  | 100.0%  | 10    |
| total                  | 18.8  | 21.654 | 23.365 | 25.201 | 27.038 | 21.974 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 65.2181398869
Full duration: 179.069041967



test scenario CinderVolumes.create_snapshot_and_attach_volume
+-------------------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                               |
+------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                 | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume   | 3.22   | 3.682  | 4.259  | 4.27   | 4.281  | 3.723  | 100.0%  | 10    |
| cinder.create_snapshot | 2.292  | 3.051  | 3.199  | 3.232  | 3.265  | 2.991  | 100.0%  | 10    |
| nova.attach_volume     | 3.891  | 4.365  | 6.53   | 6.577  | 6.625  | 4.971  | 100.0%  | 10    |
| nova.detach_volume     | 3.248  | 3.565  | 3.767  | 4.044  | 4.321  | 3.568  | 100.0%  | 10    |
| cinder.delete_snapshot | 2.258  | 2.551  | 2.836  | 2.87   | 2.904  | 2.609  | 100.0%  | 10    |
| cinder.delete_volume   | 0.883  | 2.687  | 3.02   | 3.224  | 3.427  | 2.286  | 100.0%  | 10    |
| total                  | 19.132 | 21.712 | 23.229 | 23.566 | 23.904 | 21.677 | 100.0%  | 10    |
+------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 64.7866289616
Full duration: 180.275881052



run_rally - INFO - Test scenario: "cinder" OK.

run_rally - INFO - Starting test scenario "heat" ...
```

```
run_rally - INFO -
 Preparing input task
 Task  51925ef8-a527-44d2-8df3-6164af0ec62a: started
Task 51925ef8-a527-44d2-8df3-6164af0ec62a: finished

test scenario HeatStacks.create_suspend_resume_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack  | 4.245 | 4.317  | 4.434  | 4.474  | 4.514 | 4.348 | 100.0%  | 10    |
| heat.suspend_stack | 1.497 | 1.713  | 1.747  | 1.75   | 1.753 | 1.7   | 100.0%  | 10    |
| heat.resume_stack  | 1.42  | 1.621  | 1.668  | 1.67   | 1.671 | 1.562 | 100.0%  | 10    |
| heat.delete_stack  | 1.377 | 1.573  | 1.716  | 2.249  | 2.782 | 1.675 | 100.0%  | 10    |
| total              | 8.851 | 9.198  | 9.402  | 9.981  | 10.56 | 9.285 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 27.3572640419
Full duration: 37.0984110832



test scenario HeatStacks.create_and_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 3.911 | 4.181  | 4.323  | 4.325  | 4.327 | 4.149 | 100.0%  | 10    |
| heat.delete_stack | 1.392 | 1.426  | 1.744  | 1.776  | 1.808 | 1.491 | 100.0%  | 10    |
| total             | 5.311 | 5.631  | 5.774  | 5.775  | 5.776 | 5.64  | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 16.9275529385
Full duration: 26.8473479748



test scenario HeatStacks.create_and_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 20.192 | 23.206 | 23.805 | 23.826 | 23.847 | 22.465 | 100.0%  | 10    |
| heat.delete_stack | 11.755 | 11.868 | 12.963 | 13.0   | 13.036 | 12.282 | 100.0%  | 10    |
| total             | 32.02  | 35.613 | 36.714 | 36.721 | 36.729 | 34.747 | 100.0%  | 10    |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 102.752908945
Full duration: 112.369065046



test scenario HeatStacks.create_and_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
```

```
| heat.create_stack | 16.808 | 18.33  | 20.748 | 20.751 | 20.755 | 18.654 | 100.0%  | 10    |
| heat.delete_stack | 9.404  | 10.582 | 10.788 | 10.803 | 10.818 | 10.313 | 100.0%  | 10    |
| total             | 26.212 | 28.318 | 31.532 | 31.553 | 31.574 | 28.967 | 100.0%  | 10    |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 85.8598790169
Full duration: 95.2520959377



test scenario HeatStacks.list_stacks_and_resources
+-----------------------------------------------------------------------------------------------
|                                      Response Times (sec)
+---------------------------------+------+--------+--------+--------+-------+-------+---------+------
| action                          | min  | median | 90%ile | 95%ile | max   | avg   | success | count
+---------------------------------+------+--------+--------+--------+-------+-------+---------+------
| heat.list_stacks                | 0.45 | 0.485  | 0.512  | 0.512  | 0.512 | 0.487 | 100.0%  | 10
| heat.list_resources_of_0_stacks | 0.0  | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 100.0%  | 10
| total                           | 0.45 | 0.485  | 0.512  | 0.512  | 0.512 | 0.487 | 100.0%  | 10
+---------------------------------+------+--------+--------+--------+-------+-------+---------+------
Load duration: 1.48300600052
Full duration: 9.57427692413



test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 3.727 | 4.075  | 4.288  | 4.337  | 4.386  | 4.085  | 100.0%  | 10    |
| heat.update_stack | 3.549 | 3.676  | 3.903  | 3.972  | 4.042  | 3.704  | 100.0%  | 10    |
| heat.delete_stack | 1.405 | 2.619  | 2.76   | 2.774  | 2.789  | 2.212  | 100.0%  | 10    |
| total             | 9.105 | 10.287 | 10.719 | 10.741 | 10.763 | 10.001 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 29.4346759319
Full duration: 39.5471699238



test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 3.915 | 4.067  | 4.171  | 4.199  | 4.227 | 4.052 | 100.0%  | 10    |
| heat.update_stack | 3.521 | 3.661  | 3.773  | 3.791  | 3.81  | 3.658 | 100.0%  | 10    |
| heat.delete_stack | 1.38  | 1.477  | 1.612  | 1.618  | 1.624 | 1.492 | 100.0%  | 10    |
| total             | 8.916 | 9.128  | 9.484  | 9.493  | 9.503 | 9.203 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 27.5511319637
Full duration: 37.5252559185



test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------------+
```

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	4.023	4.301	4.59	5.029	5.468	4.38	100.0%	10
heat.update_stack	5.783	5.888	6.061	6.08	6.1	5.912	100.0%	10
heat.delete_stack	2.475	2.546	2.705	3.2	3.694	2.65	100.0%	10
total	12.613	12.74	13.76	13.912	14.064	12.942	100.0%	10

Load duration: 38.1860618591
Full duration: 48.4381308556

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	4.094	5.24	5.479	5.528	5.577	5.17	100.0%	10
heat.update_stack	8.178	9.243	9.316	9.324	9.332	8.862	100.0%	10
heat.delete_stack	3.63	3.68	3.714	3.714	3.715	3.68	100.0%	10
total	16.974	17.76	18.444	18.466	18.488	17.713	100.0%	10

Load duration: 52.4500279427
Full duration: 63.0265882015

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	4.113	4.273	4.647	4.934	5.22	4.362	100.0%	10
heat.update_stack	5.809	5.888	5.941	6.056	6.17	5.907	100.0%	10
heat.delete_stack	2.513	2.561	3.694	3.7	3.706	2.891	100.0%	10
total	12.55	12.759	14.013	14.546	15.079	13.161	100.0%	10

Load duration: 39.0816349983
Full duration: 49.7756490707

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	3.762	4.115	4.19	4.27	4.35	4.062	100.0%	10
heat.update_stack	3.543	3.63	3.844	3.977	4.11	3.69	100.0%	10
heat.delete_stack	1.383	1.499	2.506	2.528	2.549	1.677	100.0%	10
total	8.868	9.275	10.208	10.225	10.242	9.429	100.0%	10

Load duration: 27.9543409348

```
Full duration: 38.8234701157



test scenario HeatStacks.create_and_list_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 4.005 | 4.128  | 4.199  | 4.234  | 4.27  | 4.127 | 100.0%  | 10    |
| heat.list_stacks  | 0.075 | 0.094  | 0.108  | 0.112  | 0.117 | 0.094 | 100.0%  | 10    |
| total             | 4.112 | 4.226  | 4.281  | 4.313  | 4.345 | 4.221 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 12.6059498787
Full duration: 27.8848700523



test scenario HeatStacks.create_check_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 4.084 | 4.153  | 4.178  | 4.217  | 4.256 | 4.153 | 100.0%  | 10    |
| heat.check_stack  | 0.706 | 1.53   | 1.571  | 1.586  | 1.6   | 1.459 | 100.0%  | 10    |
| heat.delete_stack | 1.375 | 1.432  | 2.542  | 2.546  | 2.55  | 1.763 | 100.0%  | 10    |
| total             | 7.01  | 7.159  | 8.25   | 8.279  | 8.309 | 7.375 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 22.5798799992
Full duration: 33.7318949699



run_rally - INFO - Test scenario: "heat" OK.

run_rally - INFO - Starting test scenario "keystone" ...
run_rally - INFO -
 Preparing input task
 Task  98c40f01-0adc-48ce-91ca-105f22e60ec9: started
Task 98c40f01-0adc-48ce-91ca-105f22e60ec9: finished

test scenario KeystoneBasic.create_tenant_with_users
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.263 | 0.291  | 0.401  | 0.408  | 0.415 | 0.322 | 100.0%  | 10    |
| keystone.create_users  | 1.508 | 1.599  | 1.672  | 1.733  | 1.793 | 1.601 | 100.0%  | 10    |
| total                 | 1.782 | 1.949  | 2.051  | 2.066  | 2.081 | 1.923 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 5.82497000694
Full duration: 20.636977911
```

test scenario KeystoneBasic.create_add_and_list_user_roles

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_role	0.256	0.273	0.292	0.296	0.3	0.274	100.0%	10
keystone.add_role	0.24	0.262	0.297	0.319	0.341	0.267	100.0%	10
keystone.list_roles	0.131	0.146	0.226	0.237	0.248	0.16	100.0%	10
total	0.636	0.682	0.774	0.78	0.786	0.702	100.0%	10

Load duration: 2.11375284195
Full duration: 14.9668319225

test scenario KeystoneBasic.add_and_remove_user_role

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_role	0.267	0.326	0.368	0.376	0.383	0.322	100.0%	10
keystone.add_role	0.244	0.255	0.278	0.302	0.326	0.263	100.0%	10
keystone.remove_role	0.149	0.163	0.191	0.244	0.296	0.177	100.0%	10
total	0.681	0.765	0.834	0.84	0.846	0.762	100.0%	10

Load duration: 2.33364892006
Full duration: 14.8711419106

test scenario KeystoneBasic.create_update_and_delete_tenant

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.272	0.316	0.391	0.394	0.396	0.327	100.0%	10
keystone.update_tenant	0.125	0.141	0.169	0.215	0.261	0.152	100.0%	10
keystone.delete_tenant	0.299	0.321	0.379	0.394	0.408	0.333	100.0%	10
total	0.745	0.81	0.859	0.915	0.971	0.812	100.0%	10

Load duration: 2.46658396721
Full duration: 13.4442551136

test scenario KeystoneBasic.create_and_delete_service

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_service	0.258	0.271	0.303	0.308	0.314	0.278	100.0%	10
keystone.delete_service	0.146	0.158	0.181	0.203	0.226	0.164	100.0%	10
total	0.408	0.442	0.464	0.475	0.487	0.442	100.0%	10

```
Load duration: 1.34449720383
Full duration: 12.1886069775



test scenario KeystoneBasic.create_tenant
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.253 | 0.302  | 0.319  | 0.324  | 0.328 | 0.297 | 100.0%  | 10    |
| total                 | 0.253 | 0.302  | 0.319  | 0.324  | 0.329 | 0.298 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.912425994873
Full duration: 8.74173903465



test scenario KeystoneBasic.create_user
+-------------------------------------------------------------------------------------------+
|                                Response Times (sec)                                       |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_user | 0.262 | 0.303  | 0.319  | 0.319  | 0.319 | 0.296 | 100.0%  | 10    |
| total               | 0.262 | 0.303  | 0.319  | 0.319  | 0.32  | 0.296 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.953788042068
Full duration: 8.72430300713



test scenario KeystoneBasic.create_and_list_tenants
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.247 | 0.28   | 0.302  | 0.304  | 0.307 | 0.281 | 100.0%  | 10    |
| keystone.list_tenants  | 0.121 | 0.129  | 0.224  | 0.225  | 0.225 | 0.147 | 100.0%  | 10    |
| total                 | 0.392 | 0.42   | 0.476  | 0.493  | 0.511 | 0.428 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.32897400856
Full duration: 13.584346056



test scenario KeystoneBasic.create_and_delete_role
+-------------------------------------------------------------------------------------------+
|                                Response Times (sec)                                       |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_role | 0.286 | 0.324  | 0.395  | 0.47   | 0.545 | 0.347 | 100.0%  | 10    |
| keystone.delete_role | 0.25  | 0.32   | 0.487  | 0.522  | 0.557 | 0.344 | 100.0%  | 10    |
| total               | 0.546 | 0.62   | 0.889  | 0.913  | 0.936 | 0.691 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

```
Load duration: 2.18193697929
Full duration: 12.766493082



test scenario KeystoneBasic.get_entities
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.271 | 0.283  | 0.299  | 0.311  | 0.322 | 0.287 | 100.0%  | 10    |
| keystone.create_user   | 0.145 | 0.156  | 0.162  | 0.165  | 0.167 | 0.155 | 100.0%  | 10    |
| keystone.create_role   | 0.122 | 0.133  | 0.155  | 0.183  | 0.211 | 0.141 | 100.0%  | 10    |
| keystone.get_tenant    | 0.109 | 0.126  | 0.145  | 0.178  | 0.211 | 0.133 | 100.0%  | 10    |
| keystone.get_user      | 0.12  | 0.133  | 0.2    | 0.205  | 0.21  | 0.148 | 100.0%  | 10    |
| keystone.get_role      | 0.106 | 0.12   | 0.137  | 0.155  | 0.172 | 0.126 | 100.0%  | 10    |
| keystone.service_list  | 0.112 | 0.126  | 0.144  | 0.178  | 0.212 | 0.134 | 100.0%  | 10    |
| keystone.get_service   | 0.104 | 0.125  | 0.131  | 0.134  | 0.136 | 0.123 | 100.0%  | 10    |
| total                  | 1.177 | 1.23   | 1.321  | 1.328  | 1.334 | 1.248 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.83582210541
Full duration: 20.6130208969



test scenario KeystoneBasic.create_and_list_users
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_user | 0.295 | 0.312  | 0.374  | 0.386  | 0.399 | 0.326 | 100.0%  | 10    |
| keystone.list_users  | 0.114 | 0.129  | 0.148  | 0.148  | 0.149 | 0.133 | 100.0%  | 10    |
| total                | 0.419 | 0.442  | 0.521  | 0.535  | 0.549 | 0.458 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.37977695465
Full duration: 9.29229903221



run_rally - INFO - Test scenario: "keystone" OK.

run_rally - INFO - Starting test scenario "neutron" ...
run_rally - INFO -
 Preparing input task
 Task  0a18c72f-b575-481a-8997-6d3d52130ede: started
Task 0a18c72f-b575-481a-8997-6d3d52130ede: finished

test scenario NeutronNetworks.create_and_delete_ports
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_port  | 0.758 | 0.851  | 1.15   | 1.23   | 1.309 | 0.925 | 100.0%  | 10    |
| neutron.delete_port  | 0.241 | 0.578  | 0.611  | 0.618  | 0.625 | 0.488 | 100.0%  | 10    |
| total                | 0.998 | 1.415  | 1.73   | 1.808  | 1.886 | 1.414 | 100.0%  | 10    |
```

```
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.22447299957
Full duration: 51.8464670181



test scenario NeutronNetworks.create_and_list_routers
+-------------------------------------------------------------------------------------------------
|                                    Response Times (sec)
+------------------------------+--------+--------+--------+--------+-------+-------+---------+--------
| action                       | min    | median | 90%ile | 95%ile | max   | avg   | success | count
+------------------------------+--------+--------+--------+--------+-------+-------+---------+--------
| neutron.create_subnet        | 0.768 | 0.804  | 0.942  | 1.007  | 1.073 | 0.852 | 100.0%  | 10
| neutron.create_router        | 0.08  | 0.425  | 0.456  | 0.469  | 0.482 | 0.394 | 100.0%  | 10
| neutron.add_interface_router | 0.371 | 0.741  | 1.213  | 1.526  | 1.84  | 0.855 | 100.0%  | 10
| neutron.list_routers         | 0.048 | 0.405  | 0.478  | 0.502  | 0.527 | 0.286 | 100.0%  | 10
| total                        | 1.684 | 2.22   | 3.085  | 3.308  | 3.53  | 2.388 | 100.0%  | 10
+------------------------------+--------+--------+--------+--------+-------+-------+---------+--------
Load duration: 7.42530488968
Full duration: 57.8292651176



test scenario NeutronNetworks.create_and_delete_routers
+-------------------------------------------------------------------------------------------------
|                                      Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
| neutron.create_subnet          | 0.689 | 0.768  | 0.931  | 0.941  | 0.95  | 0.811 | 100.0%  | 10
| neutron.create_router          | 0.408 | 0.421  | 0.457  | 0.547  | 0.636 | 0.441 | 100.0%  | 10
| neutron.add_interface_router   | 0.363 | 0.702  | 0.802  | 0.807  | 0.813 | 0.653 | 100.0%  | 10
| neutron.remove_interface_router | 0.273 | 0.662  | 0.823  | 0.847  | 0.872 | 0.65  | 100.0%  | 10
| neutron.delete_router          | 0.178 | 0.557  | 0.661  | 0.665  | 0.669 | 0.541 | 100.0%  | 10
| total                          | 2.291 | 3.046  | 3.598  | 3.647  | 3.695 | 3.096 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
Load duration: 9.11136102676
Full duration: 56.6760940552



test scenario NeutronNetworks.create_and_list_ports
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_port | 0.746 | 0.824  | 0.923  | 0.946  | 0.968 | 0.846 | 100.0%  | 10    |
| neutron.list_ports  | 0.157 | 0.57   | 0.629  | 0.663  | 0.697 | 0.481 | 100.0%  | 10    |
| total               | 1.065 | 1.343  | 1.476  | 1.493  | 1.51  | 1.327 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.94901585579
Full duration: 52.597589016



test scenario NeutronNetworks.create_and_delete_subnets
+-----------------------------------------------------------------------------------------------+
```

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.701	0.757	1.049	1.144	1.238	0.835	100.0%	10
neutron.delete_subnet	0.196	0.565	0.691	0.725	0.759	0.531	100.0%	10
total	0.939	1.384	1.496	1.595	1.694	1.366	100.0%	10

Load duration: 4.35806703568
Full duration: 51.0885548592

test scenario NeutronNetworks.create_and_delete_networks

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_network	0.614	0.675	0.811	0.817	0.823	0.692	100.0%	10
neutron.delete_network	0.491	0.545	0.62	0.624	0.628	0.554	100.0%	10
total	1.133	1.231	1.388	1.415	1.443	1.246	100.0%	10

Load duration: 3.68652009964
Full duration: 30.7036879063

test scenario NeutronNetworks.create_and_list_networks

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_network	0.556	0.652	0.754	0.757	0.759	0.665	100.0%	10
neutron.list_networks	0.361	0.383	0.478	0.503	0.528	0.403	100.0%	10
total	0.917	1.027	1.231	1.252	1.273	1.068	100.0%	10

Load duration: 3.11869502068
Full duration: 33.6655409336

test scenario NeutronNetworks.create_and_update_routers

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.718	0.757	0.921	0.922	0.923	0.795	100.0%	10
neutron.create_router	0.073	0.405	0.44	0.448	0.455	0.38	100.0%	10
neutron.add_interface_router	0.65	0.699	0.805	0.827	0.849	0.717	100.0%	10
neutron.update_router	0.228	0.537	0.661	0.677	0.693	0.53	100.0%	10
total	2.134	2.511	2.583	2.583	2.583	2.422	100.0%	10

Load duration: 7.21204185486
Full duration: 58.3329060078

test scenario NeutronNetworks.create_and_update_networks

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_network	0.59	0.678	0.77	0.785	0.8	0.684	100.0%	10
neutron.update_network	0.452	0.51	0.55	0.569	0.587	0.514	100.0%	10
total	1.054	1.188	1.314	1.319	1.323	1.198	100.0%	10

Load duration: 3.48062801361
Full duration: 33.7373108864

test scenario NeutronNetworks.create_and_update_ports

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_port	0.724	0.911	1.036	1.046	1.055	0.915	100.0%	10
neutron.update_port	0.332	0.55	0.569	0.573	0.578	0.53	100.0%	10
total	1.173	1.466	1.591	1.607	1.623	1.445	100.0%	10

Load duration: 4.40219402313
Full duration: 52.9743890762

test scenario NeutronNetworks.create_and_list_subnets

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.768	0.823	0.981	1.001	1.02	0.857	100.0%	10
neutron.list_subnets	0.053	0.403	0.472	0.483	0.495	0.316	100.0%	10
total	0.821	1.249	1.342	1.384	1.426	1.173	100.0%	10

Load duration: 3.63253998756
Full duration: 52.0335438251

test scenario NeutronNetworks.create_and_update_subnets

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.721	0.797	0.952	0.953	0.954	0.82	100.0%	10
neutron.update_subnet	0.233	0.605	0.745	0.753	0.761	0.589	100.0%	10
total	1.002	1.432	1.561	1.638	1.715	1.409	100.0%	10

Load duration: 4.58866596222
Full duration: 52.8035202026

```
run_rally - INFO - Test scenario: "neutron" OK.

run_rally - INFO - Starting test scenario "nova" ...
run_rally - INFO -
 Preparing input task
 Task  7bc9f24e-75ad-4e01-afd5-3647398a073e: started
Task 7bc9f24e-75ad-4e01-afd5-3647398a073e: finished

test scenario NovaKeypair.create_and_delete_keypair
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.create_keypair | 0.705 | 0.755  | 0.85   | 1.155  | 1.459 | 0.818 | 100.0%  | 10    |
| nova.delete_keypair | 0.032 | 0.046  | 0.063  | 0.064  | 0.064 | 0.046 | 100.0%  | 10    |
| total               | 0.744 | 0.804  | 0.895  | 1.21   | 1.524 | 0.864 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.08747410774
Full duration: 41.9948050976



test scenario NovaServers.snapshot_server
+-------------------------------------------------------------------------------------------------+
|                                     Response Times (sec)                                        |
+------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                 | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server       | 8.021  | 10.195 | 10.572 | 10.642 | 10.713 | 9.936  | 100.0%  | 10    |
| nova.create_image      | 10.782 | 11.261 | 11.548 | 11.631 | 11.715 | 11.242 | 100.0%  | 10    |
| nova.delete_server     | 2.821  | 3.28   | 3.4    | 3.426  | 3.452  | 3.222  | 100.0%  | 10    |
| nova.boot_server (2)   | 6.39   | 8.069  | 9.073  | 9.382  | 9.691  | 7.984  | 100.0%  | 10    |
| nova.delete_server (2) | 2.855  | 2.91   | 3.425  | 3.429  | 3.434  | 3.04   | 100.0%  | 10    |
| nova.delete_image      | 2.558  | 2.911  | 3.161  | 3.22   | 3.279  | 2.887  | 100.0%  | 10    |
| total                  | 35.039 | 38.279 | 39.897 | 40.21  | 40.523 | 38.314 | 100.0%  | 10    |
+------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 115.44729495
Full duration: 188.161262035



test scenario NovaKeypair.boot_and_delete_server_with_keypair
+-----------------------------------------------------------------------------------------------+
|                                     Response Times (sec)                                      |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.create_keypair | 0.64   | 0.869  | 1.365  | 1.399  | 1.433  | 0.948  | 100.0%  | 10    |
| nova.boot_server    | 7.047  | 8.139  | 10.062 | 10.11  | 10.159 | 8.606  | 100.0%  | 10    |
| nova.delete_server  | 2.522  | 3.1    | 3.242  | 3.267  | 3.292  | 3.041  | 100.0%  | 10    |
| nova.delete_keypair | 0.042  | 0.051  | 0.061  | 0.068  | 0.075  | 0.052  | 100.0%  | 10    |
| total               | 11.115 | 12.323 | 14.176 | 14.258 | 14.341 | 12.648 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 39.1623878479
Full duration: 108.56980896
```

test scenario NovaKeypair.create_and_list_keypairs

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.create_keypair	0.734	0.87	0.947	0.982	1.018	0.859	100.0%	10
nova.list_keypairs	0.022	0.034	0.042	0.044	0.046	0.033	100.0%	10
total	0.769	0.903	0.981	1.02	1.059	0.892	100.0%	10

Load duration: 2.59114599228
Full duration: 44.6869869232

test scenario NovaServers.list_servers

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.list_servers	1.436	1.556	1.653	1.689	1.725	1.565	100.0%	10
total	1.436	1.557	1.653	1.689	1.726	1.565	100.0%	10

Load duration: 4.71795606613
Full duration: 123.497851133

test scenario NovaServers.resize_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	8.388	9.39	10.016	10.105	10.194	9.406	100.0%	10
nova.resize	40.666	42.089	46.186	46.669	47.151	42.721	100.0%	10
nova.resize_confirm	3.322	3.648	4.206	5.097	5.989	3.842	100.0%	10
nova.delete_server	2.499	2.977	3.32	3.383	3.446	3.012	100.0%	10
total	56.246	58.698	61.838	62.514	63.19	58.982	100.0%	10

Load duration: 180.054177999
Full duration: 221.624077082

test scenario NovaServers.boot_server_from_volume_and_delete

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	9.965	10.647	11.15	11.275	11.4	10.648	100.0%	10
nova.boot_server	8.986	10.62	12.102	12.345	12.587	10.685	100.0%	10
nova.delete_server	3.355	5.419	5.857	5.908	5.96	5.311	100.0%	10
total	23.598	26.481	28.991	29.016	29.041	26.644	100.0%	10

```
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 79.5105199814
Full duration: 161.905633926



test scenario NovaServers.boot_and_migrate_server
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server    | 8.833  | 10.242 | 11.298 | 11.673 | 12.049 | 10.106 | 100.0%  | 10    |
| nova.stop_server    | 3.821  | 6.772  | 7.286  | 7.317  | 7.349  | 6.484  | 100.0%  | 10    |
| nova.migrate        | 8.569  | 12.084 | 12.564 | 12.67  | 12.776 | 11.309 | 100.0%  | 10    |
| nova.resize_confirm | 2.922  | 3.398  | 4.001  | 4.054  | 4.107  | 3.49   | 100.0%  | 10    |
| nova.delete_server  | 2.522  | 2.922  | 3.396  | 3.406  | 3.416  | 2.976  | 100.0%  | 10    |
| total               | 29.694 | 34.582 | 36.24  | 36.517 | 36.795 | 34.367 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 100.483532906
Full duration: 141.506958961



test scenario NovaServers.boot_and_delete_server
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server  | 8.586 | 9.397  | 10.198 | 10.288 | 10.378 | 9.508  | 100.0%  | 10    |
| nova.delete_server | 2.497 | 3.108  | 3.472  | 3.478  | 3.485  | 3.09   | 100.0%  | 10    |
| total             | 11.39 | 12.555 | 13.374 | 13.612 | 13.849 | 12.598 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 38.4852130413
Full duration: 106.844094992



test scenario NovaServers.boot_and_rebuild_server
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server    | 8.193  | 9.878  | 10.329 | 10.703 | 11.078 | 9.597  | 100.0%  | 10    |
| nova.rebuild_server | 8.434  | 9.946  | 10.942 | 11.066 | 11.191 | 9.967  | 100.0%  | 10    |
| nova.delete_server  | 2.887  | 3.097  | 3.934  | 4.794  | 5.654  | 3.399  | 100.0%  | 10    |
| total               | 20.573 | 22.393 | 25.427 | 25.892 | 26.357 | 22.963 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 68.7611658573
Full duration: 138.198104143



test scenario NovaSecGroup.create_and_list_secgroups
+-------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
```

action	min	median	90%ile	95%ile	max	avg	success	co
nova.create_10_security_groups	4.914	5.073	5.815	5.965	6.116	5.288	100.0%	10
nova.create_100_rules	41.66	44.384	45.431	45.816	46.201	44.305	100.0%	10
nova.list_security_groups	0.152	0.533	0.902	0.96	1.018	0.5	100.0%	10
total	47.592	50.13	51.2	51.527	51.854	50.094	100.0%	10

Load duration: 149.717460871
Full duration: 216.41701889

test scenario NovaSecGroup.create_and_delete_secgroups

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	co
nova.create_10_security_groups	4.565	5.19	5.563	5.615	5.668	5.131	100.0%	10
nova.create_100_rules	41.981	43.448	44.817	44.926	45.034	43.666	100.0%	10
nova.delete_10_security_groups	2.07	2.522	2.976	3.171	3.366	2.551	100.0%	10
total	49.35	51.576	51.781	52.087	52.394	51.349	100.0%	10

Load duration: 154.714606047
Full duration: 196.745972872

test scenario NovaServers.boot_and_bounce_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	8.097	9.924	11.182	11.428	11.673	10.029	100.0%	10
nova.reboot_server	5.363	6.246	8.84	8.907	8.973	7.049	100.0%	10
nova.soft_reboot_server	8.452	8.823	9.184	9.291	9.398	8.83	100.0%	10
nova.stop_server	3.808	6.394	7.284	7.3	7.316	6.358	100.0%	10
nova.start_server	3.677	5.011	5.706	5.852	5.997	4.954	100.0%	10
nova.rescue_server	7.752	8.674	11.07	11.07	11.071	9.269	100.0%	10
nova.unrescue_server	5.065	5.536	5.762	5.781	5.8	5.532	100.0%	10
nova.delete_server	2.485	2.546	3.501	4.347	5.194	2.952	100.0%	10
total	50.79	54.629	59.2	59.748	60.297	54.995	100.0%	10

Load duration: 166.248807907
Full duration: 235.770923853

test scenario NovaServers.boot_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	6.916	9.539	12.275	12.369	12.464	9.975	100.0%	10
total	6.916	9.54	12.275	12.37	12.464	9.976	100.0%	10

```
+------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 29.8727550507
Full duration: 87.0325229168



test scenario NovaSecGroup.boot_and_delete_server_with_secgroups
+-----------------------------------------------------------------------------------------------
|                                          Response Times (sec)
+-----------------------------------+--------+--------+--------+--------+--------+--------+----------
| action                            | min    | median | 90%ile | 95%ile | max    | avg    | success
+-----------------------------------+--------+--------+--------+--------+--------+--------+----------
| nova.create_10_security_groups    | 5.065  | 5.392  | 5.642  | 5.731  | 5.819  | 5.4    | 100.0%
| nova.create_100_rules             | 42.116 | 43.904 | 45.452 | 45.794 | 46.137 | 44.057 | 100.0%
| nova.boot_server                  | 6.906  | 7.809  | 8.73   | 8.911  | 9.092  | 7.954  | 100.0%
| nova.get_attached_security_groups | 0.209  | 0.264  | 0.361  | 0.463  | 0.565  | 0.289  | 100.0%
| nova.delete_server                | 2.508  | 2.562  | 2.7    | 2.829  | 2.959  | 2.607  | 100.0%
| nova.delete_10_security_groups    | 1.784  | 2.564  | 3.087  | 3.153  | 3.218  | 2.561  | 100.0%
| total                             | 60.06  | 63.125 | 63.757 | 63.889 | 64.021 | 62.869 | 100.0%
+-----------------------------------+--------+--------+--------+--------+--------+--------+----------
Load duration: 188.221204996
Full duration: 257.303071976



test scenario NovaServers.pause_and_unpause_server
+-------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server   | 7.896  | 9.252  | 10.006 | 10.25  | 10.494 | 9.303  | 100.0%  | 10    |
| nova.pause_server  | 2.784  | 3.19   | 3.465  | 3.487  | 3.509  | 3.226  | 100.0%  | 10    |
| nova.unpause_server | 2.782  | 3.172  | 3.226  | 3.258  | 3.29   | 3.105  | 100.0%  | 10    |
| nova.delete_server | 2.553  | 3.301  | 3.545  | 3.619  | 3.693  | 3.248  | 100.0%  | 10    |
| total              | 17.692 | 19.035 | 19.794 | 19.85  | 19.905 | 18.883 | 100.0%  | 10    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 56.6791820526
Full duration: 126.811426163



test scenario NovaServers.boot_server_from_volume
+---------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                     |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume | 9.412  | 10.207 | 10.376 | 10.441 | 10.505 | 10.131 | 100.0%  | 10    |
| nova.boot_server    | 8.849  | 10.342 | 11.591 | 11.741 | 11.892 | 10.423 | 100.0%  | 10    |
| total               | 18.922 | 20.498 | 21.854 | 21.976 | 22.099 | 20.555 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 60.9860489368
Full duration: 126.851632118



test scenario NovaServers.boot_and_list_server
```

```
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action           | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server | 8.227 | 8.931  | 10.864 | 10.959 | 11.054 | 9.41   | 100.0%  | 10    |
| nova.list_servers| 0.624 | 1.017  | 1.144  | 1.153  | 1.163  | 0.949  | 100.0%  | 10    |
| total            | 8.969 | 9.945  | 11.851 | 11.89  | 11.928 | 10.359 | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 30.9555499554
Full duration: 111.845392942



run_rally - INFO - Test scenario: "nova" OK.

run_rally - INFO - Starting test scenario "quotas" ...
run_rally - INFO -
 Preparing input task
 Task  1b950d54-5c1a-4680-9d86-cbebdb0d1b72: started
Task 1b950d54-5c1a-4680-9d86-cbebdb0d1b72: finished

test scenario Quotas.cinder_update
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas| 1.138 | 1.278  | 1.336  | 1.347  | 1.357 | 1.267 | 100.0%  | 10    |
| total               | 1.138 | 1.278  | 1.336  | 1.347  | 1.357 | 1.267 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.75106191635
Full duration: 16.480301857



test scenario Quotas.neutron_update
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas| 0.406 | 0.441  | 0.5    | 0.501  | 0.502 | 0.454 | 100.0%  | 10    |
| total               | 0.546 | 0.618  | 0.666  | 0.67   | 0.674 | 0.616 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.8795170784
Full duration: 13.8104491234



test scenario Quotas.cinder_update_and_delete
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas| 1.178 | 1.264  | 1.311  | 1.344  | 1.378 | 1.26  | 100.0%  | 10    |
| quotas.delete_quotas| 0.89  | 0.996  | 1.091  | 1.115  | 1.138 | 1.003 | 100.0%  | 10    |
```

```
| total                | 2.155 | 2.273  | 2.366  | 2.404  | 2.442 | 2.264 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 6.68874502182
Full duration: 18.7547061443



test scenario Quotas.nova_update_and_delete
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.559 | 0.615  | 0.666  | 0.669  | 0.671 | 0.616 | 100.0%  | 10    |
| quotas.delete_quotas | 0.013 | 0.022  | 0.026  | 0.028  | 0.029 | 0.022 | 100.0%  | 10    |
| total                | 0.585 | 0.641  | 0.68   | 0.687  | 0.693 | 0.638 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.9670290947
Full duration: 13.6480379105



test scenario Quotas.nova_update
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.587 | 0.621  | 0.738  | 0.758  | 0.777 | 0.646 | 100.0%  | 10    |
| total                | 0.587 | 0.621  | 0.738  | 0.758  | 0.777 | 0.647 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.87492918968
Full duration: 13.4147770405



run_rally - INFO - Test scenario: "quotas" OK.

run_rally - INFO - Starting test scenario "requests" ...
run_rally - INFO -
 Preparing input task
 Task  21739b85-984f-45b9-ae85-066dbd1adce3: started
Task 21739b85-984f-45b9-ae85-066dbd1adce3: finished

test scenario HttpRequests.check_random_request
+-------------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                          |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| requests.check_request | 5.047 | 5.181  | 5.389  | 5.395  | 5.401 | 5.204 | 100.0%  | 10    |
| total                  | 5.047 | 5.181  | 5.39   | 5.395  | 5.401 | 5.205 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 15.7369980812
Full duration: 20.6335179806
```

```
test scenario HttpRequests.check_request
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| requests.check_request | 5.048 | 5.052  | 5.058  | 5.058  | 5.058 | 5.053 | 100.0%  | 10    |
| total                  | 5.049 | 5.052  | 5.058  | 5.058  | 5.058 | 5.053 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 15.2042939663
Full duration: 20.2779421806



run_rally - INFO - Test scenario: "requests" OK.

run_rally - INFO -


                     Rally Summary Report
+===================+============+===============+===========+
| Module            | Duration   | nb. Test Run  | Success   |
+===================+============+===============+===========+
| authenticate      | 01:01      | 10            | 100.00%   |
+-------------------+------------+---------------+-----------+
| glance            | 03:33      | 7             | 100.00%   |
+-------------------+------------+---------------+-----------+
| cinder            | 22:00      | 50            | 100.00%   |
+-------------------+------------+---------------+-----------+
| heat              | 10:19      | 35            | 100.00%   |
+-------------------+------------+---------------+-----------+
| keystone          | 02:29      | 29            | 100.00%   |
+-------------------+------------+---------------+-----------+
| neutron           | 09:44      | 31            | 100.00%   |
+-------------------+------------+---------------+-----------+
| nova              | 43:55      | 61            | 100.00%   |
+-------------------+------------+---------------+-----------+
| quotas            | 01:16      | 7             | 100.00%   |
+-------------------+------------+---------------+-----------+
| requests          | 00:40      | 2             | 100.00%   |
+-------------------+------------+---------------+-----------+
+===================+============+===============+===========+
| TOTAL:            | 01:35:01   | 232           | 100.00%   |
+===================+============+===============+===========+
```

3.19 SDN Controller

3.19.1 ODL

```
==============================================================================
Basic
==============================================================================
Basic.010 Restconf OK :: Test suite to verify Restconf is OK
==============================================================================
Get Controller Modules :: Get the controller modules via Restconf     | PASS |
```

```
------------------------------------------------------------------------------
Basic.010 Restconf OK :: Test suite to verify Restconf is OK          | PASS |
1 critical test, 1 passed, 0 failed
1 test total, 1 passed, 0 failed
==============================================================================
Basic                                                                 | PASS |
1 critical test, 1 passed, 0 failed
1 test total, 1 passed, 0 failed
==============================================================================
Output:  /home/opnfv/repos/functest/output.xml
Log:     /home/opnfv/repos/functest/log.html
Report:  /home/opnfv/repos/functest/report.html
[1;32mStarting test: test/csit/suites/openstack/neutron/ [0m
==============================================================================
Neutron :: Test suite for Neutron Plugin
==============================================================================
Neutron.Networks :: Checking Network created in OpenStack are pushed to Ope...
==============================================================================
Check OpenStack Networks :: Checking OpenStack Neutron for known n... | PASS |
------------------------------------------------------------------------------
Check OpenDaylight Networks :: Checking OpenDaylight Neutron API f... | PASS |
------------------------------------------------------------------------------
Create Network :: Create new network in OpenStack                     | PASS |
------------------------------------------------------------------------------
Check Network :: Check Network created in OpenDaylight                | PASS |
------------------------------------------------------------------------------
Neutron.Networks :: Checking Network created in OpenStack are push... | PASS |
4 critical tests, 4 passed, 0 failed
4 tests total, 4 passed, 0 failed
==============================================================================
Neutron.Subnets :: Checking Subnets created in OpenStack are pushed to Open...
==============================================================================
Check OpenStack Subnets :: Checking OpenStack Neutron for known Su... | PASS |
------------------------------------------------------------------------------
Check OpenDaylight subnets :: Checking OpenDaylight Neutron API fo... | PASS |
------------------------------------------------------------------------------
Create New subnet :: Create new subnet in OpenStack                   | PASS |
------------------------------------------------------------------------------
Check New subnet :: Check new subnet created in OpenDaylight          | PASS |
------------------------------------------------------------------------------
Neutron.Subnets :: Checking Subnets created in OpenStack are pushe... | PASS |
4 critical tests, 4 passed, 0 failed
4 tests total, 4 passed, 0 failed
==============================================================================
Neutron.Ports :: Checking Port created in OpenStack are pushed to OpenDaylight
==============================================================================
Check OpenStack ports :: Checking OpenStack Neutron for known ports   | PASS |
------------------------------------------------------------------------------
Check OpenDaylight ports :: Checking OpenDaylight Neutron API for ... | PASS |
------------------------------------------------------------------------------
Create New Port :: Create new port in OpenStack                       | PASS |
------------------------------------------------------------------------------
Check New Port :: Check new subnet created in OpenDaylight            | PASS |
------------------------------------------------------------------------------
Neutron.Ports :: Checking Port created in OpenStack are pushed to ... | PASS |
4 critical tests, 4 passed, 0 failed
4 tests total, 4 passed, 0 failed
==============================================================================
```

```
Neutron.Delete Ports :: Checking Port deleted in OpenStack are deleted also...
==============================================================================
Delete New Port :: Delete previously created port in OpenStack        | PASS |
------------------------------------------------------------------------------
Check Port Deleted :: Check port deleted in OpenDaylight              | PASS |
------------------------------------------------------------------------------
Neutron.Delete Ports :: Checking Port deleted in OpenStack are del... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
==============================================================================
Neutron.Delete Subnets :: Checking Subnets deleted in OpenStack are deleted...
==============================================================================
Delete New subnet :: Delete previously created subnet in OpenStack    | PASS |
------------------------------------------------------------------------------
Check New subnet deleted :: Check subnet deleted in OpenDaylight      | PASS |
------------------------------------------------------------------------------
Neutron.Delete Subnets :: Checking Subnets deleted in OpenStack ar... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
==============================================================================
Neutron.Delete Networks :: Checking Network deleted in OpenStack are delete...
==============================================================================
Delete Network :: Delete network in OpenStack                         | PASS |
------------------------------------------------------------------------------
Check Network deleted :: Check Network deleted in OpenDaylight        | PASS |
------------------------------------------------------------------------------
Neutron.Delete Networks :: Checking Network deleted in OpenStack a... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
==============================================================================
Neutron :: Test suite for Neutron Plugin                              | PASS |
18 critical tests, 18 passed, 0 failed
18 tests total, 18 passed, 0 failed
==============================================================================
Output:  /home/opnfv/repos/functest/output.xml
Log:     /home/opnfv/repos/functest/log.html
Report:  /home/opnfv/repos/functest/report.html
[0;32mFinal report is located:[0m
Log:     /home/opnfv/repos/functest/log.html
Report:  /home/opnfv/repos/functest/report.html
```

3.20 Feature tests

3.20.1 vIMS

```
FUNCTEST.info: Running vIMS test...
vIMS - INFO - Prepare OpenStack plateform (create tenant and user)
vIMS - INFO - Update OpenStack creds informations
vIMS - INFO - Upload some OS images if it doesn't exist
vIMS - INFO - centos_7 image doesn't exist on glance repository.
                         Try downloading this image and upload on glance !
vIMS - INFO - ubuntu_14.04 image doesn't exist on glance repository.
                         Try downloading this image and upload on glance !
vIMS - INFO - Update security group quota for this tenant
vIMS - INFO - Update cinder quota for this tenant
```

```
vIMS - INFO - Collect flavor id for cloudify manager server
vIMS - INFO - Prepare virtualenv for cloudify-cli
vIMS - INFO - Downloading the cloudify manager server blueprint
vIMS - INFO - Cloudify deployment Start Time:'2016-02-19 05:44:47'
vIMS - INFO - Writing the inputs file
vIMS - INFO - Launching the cloudify-manager deployment
vIMS - INFO - Cloudify-manager server is UP !
vIMS - INFO - Cloudify deployment duration:'1149.9'
vIMS - INFO - Collect flavor id for all clearwater vm
vIMS - INFO - vIMS VNF deployment Start Time:'2016-02-19 06:04:00'
vIMS - INFO - Downloading the openstack-blueprint.yaml blueprint
vIMS - INFO - Writing the inputs file
vIMS - INFO - Launching the clearwater deployment
vIMS - INFO - The deployment of clearwater-opnfv is ended
vIMS - INFO - vIMS VNF deployment duration:'1133.8'
vIMS - INFO - vIMS functional test Start Time:'2016-02-19 06:25:59'
vIMS - INFO - vIMS functional test duration:'2.9'
vIMS - INFO - Launching the clearwater-opnfv undeployment
vIMS - ERROR - Error when executing command /bin/bash -c 'source /home/opnfv/functest/data/vIMS/venv_
vIMS - INFO - Launching the cloudify-manager undeployment
vIMS - INFO - Cloudify-manager server has been successfully removed!
vIMS - INFO - Removing vIMS tenant ..
vIMS - INFO - Removing vIMS user ..
```

3.20.2 Promise

```
FUNCTEST.info: Running PROMISE test case...
Promise- INFO - Creating tenant 'promise'...
Promise- INFO - Adding role '9d0a0a36d3d54cdcb4cd3c29c5f79a28' to tenant 'promise'...
Promise- INFO - Creating user 'promiser'...
Promise- INFO - Updating OpenStack credentials...
Promise- INFO - Creating image 'promise-img' from '/home/opnfv/functest/data/cirros-0.3.4-x86_64-disk
Promise- INFO - Creating flavor 'promise-flavor'...
Promise- INFO - Exporting environment variables...
Promise- INFO - Running command: npm run -s test -- --reporter json
Promise- INFO - The test succeeded.
Promise- DEBUG -
{
  "stats": {
    "suites": 23,
    "tests": 33,
    "passes": 33,
    "pending": 0,
    "failures": 0,
    "start": "2016-02-19T05:41:25.739Z",
    "end": "2016-02-19T05:41:31.140Z",
    "duration": 5524
  },
  "tests": [
    {
      "title": "should add a new OpenStack provider without error",
      "fullTitle": "promise register OpenStack into resource pool add-provider should add a new OpenS
      "duration": 1217,
      "err": {}
    },
    {
```

```
      "title": "should update promise.providers with a new entry",
      "fullTitle": "promise register OpenStack into resource pool add-provider should update promise.
      "duration": 10,
      "err": {}
    },
    {
      "title": "should contain a new ResourceProvider record in the store",
      "fullTitle": "promise register OpenStack into resource pool add-provider should contain a new R
      "duration": 0,
      "err": {}
    },
    {
      "title": "should add more capacity to the reservation service without error",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should add more c
      "duration": 25,
      "err": {}
    },
    {
      "title": "should update promise.pools with a new entry",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should update pro
      "duration": 1,
      "err": {}
    },
    {
      "title": "should contain a ResourcePool record in the store",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should contain a
      "duration": 0,
      "err": {}
    },
    {
      "title": "should report total collections and utilizations",
      "fullTitle": "promise register OpenStack into resource pool query-capacity should report total
      "duration": 18,
      "err": {}
    },
    {
      "title": "should contain newly added capacity pool",
      "fullTitle": "promise register OpenStack into resource pool query-capacity should contain newly
      "duration": 8,
      "err": {}
    },
    {
      "title": "should create a new server in target provider without error",
      "fullTitle": "promise allocation without reservation create-instance should create a new server
      "duration": 1768,
      "err": {}
    },
    {
      "title": "should update promise.allocations with a new entry",
      "fullTitle": "promise allocation without reservation create-instance should update promise.allo
      "duration": 2,
      "err": {}
    },
    {
      "title": "should contain a new ResourceAllocation record in the store",
      "fullTitle": "promise allocation without reservation create-instance should contain a new Resou
      "duration": 0,
      "err": {}
```

```
    },
    {
      "title": "should reference the created server ID from the provider",
      "fullTitle": "promise allocation without reservation create-instance should reference the creat
      "duration": 1,
      "err": {}
    },
    {
      "title": "should have low priority state",
      "fullTitle": "promise allocation without reservation create-instance should have low priority s
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create reservation record (no start/end) without error",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 41,
      "err": {}
    },
    {
      "title": "should update promise.reservations with a new entry",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 7,
      "err": {}
    },
    {
      "title": "should contain a new ResourceReservation record in the store",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create a new server in target provider (with reservation) without error",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should cre
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      "err": {}
    },
    {
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      "fullTitle": "promise allocation using reservation for immediate use create-instance should cor
      "duration": 1,
      "err": {}
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    {
      "title": "should be referenced in the reservation record",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should be
      "duration": 7,
      "err": {}
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    {
      "title": "should have high priority state",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should hav
      "duration": 0,
      "err": {}
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      "fullTitle": "promise reservation for future use create-reservation should create reservation r
```

```
    "duration": 75,
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    "err": {}
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  {
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    "fullTitle": "promise reservation for future use query-reservation should contain newly created
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    "err": {}
  },
  {
    "title": "should modify existing reservation without error",
    "fullTitle": "promise reservation for future use update-reservation should modify existing rese
    "duration": 65,
    "err": {}
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  {
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    "fullTitle": "promise reservation for future use cancel-reservation should modify existing rese
    "duration": 17,
    "err": {}
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  {
    "title": "should no longer contain record of the deleted reservation",
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    "err": {}
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  {
    "title": "should decrease available capacity from a provider in the future",
    "fullTitle": "promise capacity planning decrease-capacity should decrease available capacity fr
    "duration": 15,
    "err": {}
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  {
    "title": "should increase available capacity from a provider in the future",
    "fullTitle": "promise capacity planning increase-capacity should increase available capacity fr
    "duration": 11,
    "err": {}
  },
  {
    "title": "should report available collections and utilizations",
    "fullTitle": "promise capacity planning query-capacity should report available collections and
    "duration": 56,
    "err": {}
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  {
```

```
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      "fullTitle": "promise reservation with conflict create-reservation should fail to create immedi
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    {
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      "fullTitle": "promise reservation with conflict create-reservation should fail to create future
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      "err": {}
    },
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      "fullTitle": "promise cleanup test allocations destroy-instance should successfully destroy all
      "duration": 361,
      "err": {}
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  "pending": [],
  "failures": [],
  "passes": [
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      "fullTitle": "promise register OpenStack into resource pool add-provider should add a new OpenS
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      "fullTitle": "promise register OpenStack into resource pool add-provider should update promise.
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    {
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      "duration": 0,
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    {
```

```
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      "fullTitle": "promise allocation without reservation create-instance should create a new server
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      "err": {}
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      "fullTitle": "promise allocation without reservation create-instance should have low priority s
      "duration": 0,
      "err": {}
    },
    {
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      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
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    {
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      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
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      "err": {}
    },
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      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
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      "err": {}
```

```
    },
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      "err": {}
    },
    {
      "title": "should be referenced in the reservation record",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should be
      "duration": 7,
      "err": {}
    },
    {
      "title": "should have high priority state",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should hav
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create reservation record (for future) without error",
      "fullTitle": "promise reservation for future use create-reservation should create reservation r
      "duration": 75,
      "err": {}
    },
    {
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      "fullTitle": "promise reservation for future use create-reservation should update promise.reser
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    },
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      "duration": 0,
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    {
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      "err": {}
    },
    {
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      "fullTitle": "promise reservation for future use update-reservation should modify existing rese
      "duration": 65,
      "err": {}
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    {
      "title": "should modify existing reservation without error",
      "fullTitle": "promise reservation for future use cancel-reservation should modify existing rese
```

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      "duration": 17,
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    {
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      "duration": 0,
      "err": {}
    },
    {
      "title": "should decrease available capacity from a provider in the future",
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      "duration": 15,
      "err": {}
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    {
      "title": "should increase available capacity from a provider in the future",
      "fullTitle": "promise capacity planning increase-capacity should increase available capacity fr
      "duration": 11,
      "err": {}
    },
    {
      "title": "should report available collections and utilizations",
      "fullTitle": "promise capacity planning query-capacity should report available collections and
      "duration": 56,
      "err": {}
    },
    {
      "title": "should fail to create immediate reservation record with proper error",
      "fullTitle": "promise reservation with conflict create-reservation should fail to create immedi
      "duration": 60,
      "err": {}
    },
    {
      "title": "should fail to create future reservation record with proper error",
      "fullTitle": "promise reservation with conflict create-reservation should fail to create future
      "duration": 38,
      "err": {}
    },
    {
      "title": "should successfully destroy all allocations",
      "fullTitle": "promise cleanup test allocations destroy-instance should successfully destroy all
      "duration": 361,
      "err": {}
    }
  ]
}
Promise- INFO -
****************************************
          Promise test report

****************************************
 Suites:    23
 Tests:     33
 Passes:    33
 Pending:   0
 Failures:  0
 Start:     2016-02-19T05:41:25.739Z
```

```
 End:       2016-02-19T05:41:31.140Z
 Duration:  6.301
****************************************
```

3.21 Detailed test results for fuel-os-onos-nofeature-ha

3.22 VIM

3.22.1 vping_ssh

```
FUNCTEST.info: Running vPing-SSH test...
vPing_ssh- INFO - Creating image 'functest-vping' from '/home/opnfv/functest/data/cirros-0.3.4-x86_64
vPing_ssh- INFO - Creating neutron network vping-net...
vPing_ssh- INFO - Creating security group  'vPing-sg'...
vPing_ssh- INFO - Using existing Flavor 'm1.small'...
vPing_ssh- INFO - vPing Start Time:'2016-02-21 09:42:15'
vPing_ssh- INFO - Creating instance 'opnfv-vping-1'...
 name=opnfv-vping-1
 flavor=<Flavor: m1.small>
 image=c921bde1-b564-4670-9801-7607bb7dd5f9
 network=ddbf909c-8936-4d5a-b499-ae5bc6e4981f

vPing_ssh- INFO - Instance 'opnfv-vping-1' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-1' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating instance 'opnfv-vping-2'...
 name=opnfv-vping-2
 flavor=<Flavor: m1.small>
 image=c921bde1-b564-4670-9801-7607bb7dd5f9
 network=ddbf909c-8936-4d5a-b499-ae5bc6e4981f

vPing_ssh- INFO - Instance 'opnfv-vping-2' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-2' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating floating IP for VM 'opnfv-vping-2'...
vPing_ssh- INFO - Floating IP created: '10.118.101.200'
vPing_ssh- INFO - Associating floating ip: '10.118.101.200' to VM 'opnfv-vping-2'
vPing_ssh- INFO - Trying to establish SSH connection to 10.118.101.200...
vPing_ssh- INFO - Waiting for ping...
vPing_ssh- INFO - vPing detected!
vPing_ssh- INFO - vPing duration:'267.2' s.
vPing_ssh- INFO - Cleaning up...
vPing_ssh- INFO - vPing OK
```

3.22.2 Tempest

```
+-------------------------------------------------------------------------------------------------------------
| name
+-------------------------------------------------------------------------------------------------------------
| tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_get_flavor
| tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_list_flavors
| tempest.api.compute.images.test_images.ImagesTestJSON.test_delete_saving_image
| tempest.api.compute.images.test_images_oneserver.ImagesOneServerTestJSON.test_create_delete_image
| tempest.api.compute.images.test_images_oneserver.ImagesOneServerTestJSON.test_create_image_specify_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
```

| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_limit_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_get_image
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_list_images
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_list_images_with_detail
| tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_secur
| tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_secur
| tempest.api.compute.security_groups.test_security_groups.SecurityGroupsTestJSON.test_security_group
| tempest.api.compute.servers.test_attach_interfaces.AttachInterfacesTestJSON.test_add_remove_fixed_
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_host_name_is_same_as_server_nam
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_created_server_vcpus
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_server_details
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_host_name_is_same_as_serv
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_created_server_vcp
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_server_details
| tempest.api.compute.servers.test_instance_actions.InstanceActionsTestJSON.test_get_instance_action
| tempest.api.compute.servers.test_instance_actions.InstanceActionsTestJSON.test_list_instance_actions
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
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| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
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| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
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| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_change_server_password
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_get_console_output

| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_lock_unlock_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_hard
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_soft
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_rebuild_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_resize_server_confirm
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_resize_server_revert
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_stop_start_server
| tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresse
| tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresse
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_delete_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_get_server_metadata_it
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_list_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_set_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_set_server_metadata_it
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_update_server_metadata
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_server_with_admin_password
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_specify_keypair
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_with_existing_server_name
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_access_server_address
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_server_name
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_numeric_serve
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_server_metada
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_server_name_l
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_a_server_of_a
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_server_pass_i
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_server_pass_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_get_non_existent_ser
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_invalid_ip_v6_addres
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_reboot_non_existent_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_rebuild_non_existent
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_resize_server_with_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_resize_server_with_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_server_name_blank
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_stop_non_existent_se
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_name_of_non_e
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_name_l
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_of_and
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_set_em
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_keypair_in_analt_user_tena
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_server_fails_when_tenant_i
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_server_with_unauthorized_i
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_get_keypair_of_alt_account_fails
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_get_metadata_of_alt_account_serve
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_set_metadata_of_alt_account_serve
| tempest.api.compute.test_quotas.QuotasTestJSON.test_get_default_quotas
| tempest.api.compute.test_quotas.QuotasTestJSON.test_get_quotas
| tempest.api.compute.volumes.test_attach_volume.AttachVolumeTestJSON.test_attach_detach_volume
| tempest.api.compute.volumes.test_volumes_list.VolumesTestJSON.test_volume_list
| tempest.api.compute.volumes.test_volumes_list.VolumesTestJSON.test_volume_list_with_details
| tempest.api.compute.volumes.test_volumes_negative.VolumesNegativeTest.test_get_invalid_volume_id
| tempest.api.compute.volumes.test_volumes_negative.VolumesNegativeTest.test_get_volume_without_passi
| tempest.api.identity.admin.v2.test_services.ServicesTestJSON.test_list_services
| tempest.api.identity.admin.v2.test_users.UsersTestJSON.test_create_user
| tempest.api.identity.admin.v3.test_credentials.CredentialsTestJSON.test_credentials_create_get_upda
| tempest.api.identity.admin.v3.test_domains.DefaultDomainTestJSON.test_default_domain_exists

```
| tempest.api.identity.admin.v3.test_domains.DomainsTestJSON.test_create_update_delete_domain
| tempest.api.identity.admin.v3.test_endpoints.EndPointsTestJSON.test_update_endpoint
| tempest.api.identity.admin.v3.test_groups.GroupsV3TestJSON.test_group_users_add_list_delete
| tempest.api.identity.admin.v3.test_policies.PoliciesTestJSON.test_create_update_delete_policy
| tempest.api.identity.admin.v3.test_regions.RegionsTestJSON.test_create_region_with_specific_id
| tempest.api.identity.admin.v3.test_roles.RolesV3TestJSON.test_role_create_update_get_list
| tempest.api.identity.admin.v3.test_services.ServicesTestJSON.test_create_update_get_service
| tempest.api.identity.admin.v3.test_trusts.TrustsV3TestJSON.test_get_trusts_all
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.image.v1.test_images.ListImagesTest.test_index_no_params
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_delete_image
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_register_upload_get_image_file
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_update_image
| tempest.api.network.test_extensions.ExtensionsTestJSON.test_list_show_extensions
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_floating_ip_specifying_a_fixed
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_list_show_update_delete_floati
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_port
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_port
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_subnets
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_subnet
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_list_subnets
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_show_subnet
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_port_in_allowed_allocation_pools
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_port_with_no_securitygroups
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_update_delete_port
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_list_ports
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_show_port
| tempest.api.network.test_ports.PortsTestJSON.test_create_port_in_allowed_allocation_pools
| tempest.api.network.test_ports.PortsTestJSON.test_create_port_with_no_securitygroups
| tempest.api.network.test_ports.PortsTestJSON.test_create_update_delete_port
| tempest.api.network.test_ports.PortsTestJSON.test_list_ports
| tempest.api.network.test_ports.PortsTestJSON.test_show_port
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_multiple_router_interfaces
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_remove_router_interface_with_port_id
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_remove_router_interface_with_subnet_id
| tempest.api.network.test_routers.RoutersIpV6Test.test_create_show_list_update_delete_router
| tempest.api.network.test_routers.RoutersTest.test_add_multiple_router_interfaces
| tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_port_id
| tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_subnet_id
| tempest.api.network.test_routers.RoutersTest.test_create_show_list_update_delete_router
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_list_update_show_delete_secur
```

```
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_show_delete_security_group_ru
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_list_security_groups
| tempest.api.network.test_security_groups.SecGroupTest.test_create_list_update_show_delete_security_
| tempest.api.network.test_security_groups.SecGroupTest.test_create_show_delete_security_group_rule
| tempest.api.network.test_security_groups.SecGroupTest.test_list_security_groups
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_list
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_show
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_template
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_list
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_metadata
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_software_config
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_create_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_crud_no_resources
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_list_responds
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_g
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_g
| tempest.api.volume.test_volumes_actions.VolumesV1ActionsTest.test_attach_detach_volume_to_instance
| tempest.api.volume.test_volumes_actions.VolumesV2ActionsTest.test_attach_detach_volume_to_instance
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_list.VolumesV1ListTestJSON.test_volume_list
| tempest.api.volume.test_volumes_list.VolumesV2ListTestJSON.test_volume_list
| tempest.scenario.test_network_basic_ops.TestNetworkBasicOps.test_network_basic_ops
| tempest.scenario.test_server_basic_ops.TestServerBasicOps.test_server_basicops
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPattern.test_volume_boot_pattern
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPatternV2.test_volume_boot_pattern
+-----------------------------------------------------------------------------------------------------
run_tempest - INFO - Results: {'timestart': '2016-02-2109:47:08.529077', 'duration': 512, 'tests': 21
```

3.22.3 Rally

```
FUNCTEST.info: Running Rally benchmark suite...
run_rally - INFO - Starting test scenario "authenticate" ...
run_rally - INFO -
 Preparing input task
 Task  938ee7f4-76f5-42f3-a908-9eb3557dac60: started
Task 938ee7f4-76f5-42f3-a908-9eb3557dac60: finished

test scenario Authenticate.validate_glance
+-----------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                           | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_glance     | 0.528 | 0.563  | 0.576  | 0.577  | 0.578 | 0.558 | 100.0%  | 10
| authenticate.validate_glance (2) | 0.524 | 0.536  | 0.584  | 0.646  | 0.707 | 0.556 | 100.0%  | 10
| total                            | 1.209 | 1.274  | 1.348  | 1.391  | 1.434 | 1.285 | 100.0%  | 10
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 3.82395505905
Full duration: 11.5060088634
```

```
test scenario Authenticate.keystone
+-----------------------------------------------------------------------------+
|                            Response Times (sec)                             |
+--------+-------+--------+--------+--------+------+-------+---------+-------+
| action | min   | median | 90%ile | 95%ile | max  | avg   | success | count |
+--------+-------+--------+--------+--------+------+-------+---------+-------+
| total  | 0.145 | 0.166  | 0.262  | 0.271  | 0.28 | 0.193 | 100.0%  | 10    |
+--------+-------+--------+--------+--------+------+-------+---------+-------+
Load duration: 0.597311973572
Full duration: 8.39117598534



test scenario Authenticate.validate_heat
+-------------------------------------------------------------------------------------------------------------
|                                          Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| authenticate.validate_heat     | 0.289 | 0.308  | 0.338  | 0.34   | 0.342 | 0.312 | 100.0%  | 10
| authenticate.validate_heat (2) | 0.054 | 0.289  | 0.31   | 0.318  | 0.327 | 0.27  | 100.0%  | 10
| total                          | 0.575 | 0.782  | 0.858  | 0.862  | 0.865 | 0.773 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
Load duration: 2.38020992279
Full duration: 10.2995789051



test scenario Authenticate.validate_nova
+-------------------------------------------------------------------------------------------------------------
|                                          Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| authenticate.validate_nova     | 0.279 | 0.311  | 0.459  | 0.464  | 0.468 | 0.352 | 100.0%  | 10
| authenticate.validate_nova (2) | 0.033 | 0.056  | 0.061  | 0.063  | 0.065 | 0.053 | 100.0%  | 10
| total                          | 0.477 | 0.53   | 0.699  | 0.711  | 0.723 | 0.569 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
Load duration: 1.69243693352
Full duration: 9.33592200279



test scenario Authenticate.validate_cinder
+-------------------------------------------------------------------------------------------------------------
|                                           Response Times (sec)
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                          | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_cinder    | 0.276 | 0.29   | 0.335  | 0.335  | 0.335 | 0.302 | 100.0%  | 10
| authenticate.validate_cinder (2) | 0.257 | 0.29   | 0.318  | 0.346  | 0.374 | 0.297 | 100.0%  | 10
| total                           | 0.719 | 0.773  | 0.853  | 0.863  | 0.873 | 0.781 | 100.0%  | 10
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 2.3241250515
Full duration: 9.87282705307
```

```
test scenario Authenticate.validate_neutron
+-----------------------------------------------------------------------------------------------------------
|                                          Response Times (sec)
+-----------------------------------+-------+--------+--------+--------+-------+-------+---------+---
| action                            | min   | median | 90%ile | 95%ile | max   | avg   | success | co
+-----------------------------------+-------+--------+--------+--------+-------+-------+---------+---
| authenticate.validate_neutron     | 0.289 | 0.309  | 0.329  | 0.334  | 0.34  | 0.31  | 100.0%  | 10
| authenticate.validate_neutron (2) | 0.044 | 0.294  | 0.324  | 0.365  | 0.406 | 0.265 | 100.0%  | 10
| total                             | 0.533 | 0.752  | 0.809  | 0.831  | 0.854 | 0.734 | 100.0%  | 10
+-----------------------------------+-------+--------+--------+--------+-------+-------+---------+---
Load duration: 2.165102005
Full duration: 9.4830288887



run_rally - INFO - Test scenario: "authenticate" OK.

run_rally - INFO - Starting test scenario "glance" ...
run_rally - INFO -
 Preparing input task
 Task  158cf9e7-5336-4cfc-be40-3e75d061e99a: started
Task 158cf9e7-5336-4cfc-be40-3e75d061e99a: finished

test scenario GlanceImages.list_images
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.list_images | 0.726 | 0.781  | 0.882  | 0.891  | 0.899 | 0.807 | 100.0%  | 10    |
| total              | 0.726 | 0.783  | 0.882  | 0.891  | 0.899 | 0.807 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.53244495392
Full duration: 12.5428349972



test scenario GlanceImages.create_image_and_boot_instances
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| glance.create_image | 6.979  | 7.618  | 7.794  | 7.829  | 7.863  | 7.563  | 100.0%  | 10    |
| nova.boot_servers   | 8.651  | 10.765 | 11.756 | 11.781 | 11.807 | 10.556 | 100.0%  | 10    |
| total               | 15.879 | 18.421 | 19.261 | 19.311 | 19.36  | 18.119 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 53.8314111233
Full duration: 120.073235035



test scenario GlanceImages.create_and_list_image
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

```
| glance.create_image | 7.329 | 7.6    | 7.99   | 8.113  | 8.236 | 7.653 | 100.0%  | 10    |
| glance.list_images  | 0.333 | 0.582  | 0.613  | 0.646  | 0.679 | 0.566 | 100.0%  | 10    |
| total               | 7.902 | 8.164  | 8.547  | 8.674  | 8.802 | 8.219 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 24.6576690674
Full duration: 38.7420179844



test scenario GlanceImages.create_and_delete_image
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| glance.create_image | 7.217 | 7.695  | 7.985  | 8.039  | 8.092  | 7.694 | 100.0%  | 10    |
| glance.delete_image | 1.995 | 2.137  | 2.493  | 2.608  | 2.722  | 2.22  | 100.0%  | 10    |
| total               | 9.374 | 10.024 | 10.211 | 10.289 | 10.367 | 9.914 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 29.6123759747
Full duration: 39.9493000507



run_rally - INFO - Test scenario: "glance" OK.

run_rally - INFO - Starting test scenario "cinder" ...
run_rally - INFO -
 Preparing input task
 Task  b1aa2d13-0f7a-4bff-8331-81336fed8893: started
Task b1aa2d13-0f7a-4bff-8331-81336fed8893: finished

test scenario CinderVolumes.create_and_attach_volume
+----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                       |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server     | 6.503  | 8.078  | 8.609  | 8.703  | 8.796  | 7.961  | 100.0%  | 10    |
| cinder.create_volume | 3.188  | 3.68   | 3.956  | 3.978  | 4.0    | 3.679  | 100.0%  | 10    |
| nova.attach_volume   | 3.64   | 4.357  | 6.302  | 6.474  | 6.646  | 4.857  | 100.0%  | 10    |
| nova.detach_volume   | 3.578  | 3.916  | 4.783  | 4.818  | 4.854  | 4.034  | 100.0%  | 10    |
| cinder.delete_volume | 0.561  | 1.816  | 3.1    | 3.132  | 3.165  | 1.823  | 100.0%  | 10    |
| nova.delete_server   | 2.774  | 2.91   | 3.153  | 3.263  | 3.373  | 2.961  | 100.0%  | 10    |
| total                | 22.849 | 25.428 | 26.942 | 27.99  | 29.037 | 25.315 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 75.149212122
Full duration: 118.157259941



test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------+------+
|                                Response Times (sec)                                     |      |
+----------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume | 7.83  | 9.929  | 10.531 | 10.536 | 10.541 | 9.772  | 100.0%  | 10    |
```

```
| cinder.list_volumes  | 0.08  | 0.374  | 0.44   | 0.453  | 0.465  | 0.361  | 100.0%  | 10    |
| total                | 8.172 | 10.346 | 10.952 | 10.96  | 10.967 | 10.134 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 29.4478600025
Full duration: 52.5886940956



test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| cinder.create_volume | 3.301 | 3.843  | 4.226  | 4.357  | 4.488 | 3.882 | 100.0%  | 10    |
| cinder.list_volumes  | 0.053 | 0.331  | 0.398  | 0.398  | 0.398 | 0.273 | 100.0%  | 10    |
| total                | 3.637 | 4.144  | 4.619  | 4.733  | 4.847 | 4.156 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
Load duration: 12.4273290634
Full duration: 34.9144048691



test scenario CinderVolumes.create_and_list_snapshots
+-------------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                          |
+------------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| cinder.create_snapshot | 2.946 | 3.307  | 3.538  | 3.549  | 3.56  | 3.273 | 100.0%  | 10    |
| cinder.list_snapshots  | 0.028 | 0.295  | 0.328  | 0.338  | 0.348 | 0.201 | 100.0%  | 10    |
| total                  | 3.176 | 3.555  | 3.638  | 3.662  | 3.686 | 3.474 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+--------+
Load duration: 10.5382380486
Full duration: 51.362334013



test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| cinder.create_volume | 3.624 | 3.895  | 4.231  | 4.281  | 4.331 | 3.947 | 100.0%  | 10    |
| cinder.delete_volume | 0.812 | 1.949  | 3.114  | 3.122  | 3.131 | 1.972 | 100.0%  | 10    |
| total                | 4.618 | 5.84   | 7.204  | 7.278  | 7.351 | 5.92  | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
Load duration: 16.7822580338
Full duration: 34.5782420635



test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
```

```
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume | 9.294  | 9.687  | 9.755  | 9.776  | 9.798  | 9.602  | 100.0%  | 10    |
| cinder.delete_volume | 0.832  | 2.037  | 2.912  | 3.099  | 3.287  | 1.974  | 100.0%  | 10    |
| total                | 10.153 | 11.549 | 12.579 | 12.706 | 12.832 | 11.576 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 33.8279159069
Full duration: 52.5032699108



test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.531 | 3.917  | 4.114  | 4.116  | 4.119 | 3.89  | 100.0%  | 10    |
| cinder.delete_volume | 0.795 | 0.992  | 3.094  | 3.232  | 3.371 | 1.405 | 100.0%  | 10    |
| total                | 4.55  | 4.893  | 6.895  | 7.065  | 7.235 | 5.295 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 14.6577680111
Full duration: 32.7706868649



test scenario CinderVolumes.create_and_upload_volume_to_image
+-------------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+------------------------------+--------+--------+--------+--------+--------+--------+---------+----
| action                       | min    | median | 90%ile | 95%ile | max    | avg    | success | cou
+------------------------------+--------+--------+--------+--------+--------+--------+---------+----
| cinder.create_volume         | 3.529  | 3.821  | 4.216  | 4.22   | 4.223  | 3.861  | 100.0%  | 10
| cinder.upload_volume_to_image | 19.02  | 29.858 | 31.714 | 31.91  | 32.105 | 28.579 | 100.0%  | 10
| cinder.delete_volume         | 0.778  | 2.823  | 3.199  | 3.243  | 3.288  | 2.495  | 100.0%  | 10
| nova.delete_image            | 2.394  | 2.794  | 4.071  | 9.486  | 14.9   | 3.949  | 100.0%  | 10
| total                        | 28.359 | 39.027 | 42.376 | 45.938 | 49.5   | 38.885 | 100.0%  | 10
+------------------------------+--------+--------+--------+--------+--------+--------+---------+----
Load duration: 119.134256124
Full duration: 139.814013958



test scenario CinderVolumes.create_and_delete_snapshot
+-------------------------------------------------------------------------------------------+------+
|                                   Response Times (sec)                                    |      |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_snapshot | 3.047 | 3.312  | 3.751  | 4.588  | 5.426 | 3.504 | 100.0%  | 10    |
| cinder.delete_snapshot | 2.515 | 2.959  | 3.129  | 3.134  | 3.139 | 2.904 | 100.0%  | 10    |
| total                  | 5.93  | 6.273  | 6.77   | 7.355  | 7.941 | 6.408 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 18.6710958481
Full duration: 52.810079813



test scenario CinderVolumes.create_volume
```

```
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.645 | 3.983  | 4.278  | 4.284  | 4.291 | 4.015 | 100.0%  | 10    |
| total                | 3.645 | 3.983  | 4.278  | 4.284  | 4.291 | 4.015 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 11.9593629837
Full duration: 30.0458798409



test scenario CinderVolumes.create_volume
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-----+--------+--------+--------+-------+-------+---------+-------+
| action               | min | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-----+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.5 | 4.11   | 4.423  | 4.479  | 4.535 | 4.045 | 100.0%  | 10    |
| total                | 3.5 | 4.11   | 4.423  | 4.479  | 4.535 | 4.045 | 100.0%  | 10    |
+----------------------+-----+--------+--------+--------+-------+-------+---------+-------+
Load duration: 11.9883899689
Full duration: 34.5793349743



test scenario CinderVolumes.list_volumes
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.list_volumes | 0.527 | 0.566  | 0.622  | 0.634  | 0.647 | 0.579 | 100.0%  | 10    |
| total               | 0.527 | 0.566  | 0.622  | 0.635  | 0.647 | 0.579 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.71377515793
Full duration: 66.8403449059



test scenario CinderVolumes.create_nested_snapshots_and_attach_volume
+-----------------------------------------------------------------------------------------------+
|                                     Response Times (sec)                                      |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume  | 3.423  | 3.79   | 4.204  | 4.228  | 4.253  | 3.832  | 100.0%  | 10    |
| cinder.create_snapshot | 2.595  | 2.914  | 3.105  | 3.107  | 3.109  | 2.93   | 100.0%  | 10    |
| nova.attach_volume    | 3.943  | 6.629  | 7.921  | 8.552  | 9.183  | 6.368  | 100.0%  | 10    |
| nova.detach_volume    | 3.275  | 3.933  | 4.098  | 4.151  | 4.204  | 3.813  | 100.0%  | 10    |
| cinder.delete_snapshot | 2.26   | 2.576  | 3.109  | 3.173  | 3.237  | 2.627  | 100.0%  | 10    |
| cinder.delete_volume  | 0.572  | 2.766  | 2.935  | 3.011  | 3.086  | 2.543  | 100.0%  | 10    |
| total                 | 20.778 | 22.953 | 25.368 | 26.28  | 27.193 | 23.194 | 100.0%  | 10    |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 69.8529119492
Full duration: 173.89911294
```

test scenario CinderVolumes.create_from_volume_and_delete_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.664	3.994	4.4	4.405	4.411	4.043	100.0%	10
cinder.delete_volume	2.706	3.262	3.503	3.525	3.547	3.211	100.0%	10
total	6.956	7.239	7.437	7.513	7.589	7.254	100.0%	10

Load duration: 21.7929730415
Full duration: 56.4282138348

test scenario CinderVolumes.create_and_extend_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.519	3.91	4.25	4.293	4.336	3.898	100.0%	10
cinder.extend_volume	0.954	3.479	3.822	3.974	4.126	3.266	100.0%	10
cinder.delete_volume	2.743	3.002	3.324	3.34	3.356	3.018	100.0%	10
total	8.353	10.523	10.792	10.838	10.885	10.182	100.0%	10

Load duration: 30.6360728741
Full duration: 49.9283909798

test scenario CinderVolumes.create_snapshot_and_attach_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.39	3.97	4.263	4.45	4.638	3.957	100.0%	10
cinder.create_snapshot	2.608	3.069	3.308	3.31	3.312	3.012	100.0%	10
nova.attach_volume	4.043	5.478	7.465	8.181	8.896	5.734	100.0%	10
nova.detach_volume	3.111	3.712	4.231	4.297	4.362	3.748	100.0%	10
cinder.delete_snapshot	2.272	2.63	2.889	3.032	3.174	2.679	100.0%	10
cinder.delete_volume	0.594	2.64	3.158	3.173	3.187	2.251	100.0%	10
total	18.408	23.294	24.568	24.632	24.697	22.576	100.0%	10

Load duration: 68.1245191097
Full duration: 178.916586161

test scenario CinderVolumes.create_snapshot_and_attach_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.136	3.923	4.27	4.334	4.398	3.903	100.0%	10

```
| cinder.create_snapshot | 2.708  | 2.894  | 3.269  | 3.309  | 3.348  | 2.997  | 100.0%  | 10    |
| nova.attach_volume     | 3.853  | 5.659  | 9.176  | 9.424  | 9.673  | 6.046  | 100.0%  | 10    |
| nova.detach_volume     | 3.349  | 3.857  | 4.334  | 4.582  | 4.829  | 3.88   | 100.0%  | 10    |
| cinder.delete_snapshot | 2.261  | 2.578  | 3.148  | 3.183  | 3.219  | 2.687  | 100.0%  | 10    |
| cinder.delete_volume   | 2.584  | 2.856  | 3.08   | 3.208  | 3.335  | 2.877  | 100.0%  | 10    |
| total                  | 21.769 | 23.113 | 27.189 | 27.9   | 28.611 | 24.037 | 100.0%  | 10    |
+------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 69.8956279755
Full duration: 185.589872122



run_rally - INFO - Test scenario: "cinder" OK.

run_rally - INFO - Starting test scenario "heat" ...
run_rally - INFO -
 Preparing input task
 Task  6323c0be-a020-4b31-99f0-846288593cf5: started
Task 6323c0be-a020-4b31-99f0-846288593cf5: finished

test scenario HeatStacks.create_suspend_resume_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+--------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| heat.create_stack  | 3.897 | 4.064  | 4.38   | 4.573  | 4.766  | 4.148 | 100.0%  | 10    |
| heat.suspend_stack | 0.856 | 1.754  | 2.035  | 2.047  | 2.058  | 1.584 | 100.0%  | 10    |
| heat.resume_stack  | 1.455 | 1.659  | 1.714  | 1.716  | 1.718  | 1.62  | 100.0%  | 10    |
| heat.delete_stack  | 1.394 | 1.581  | 2.739  | 2.752  | 2.765  | 1.784 | 100.0%  | 10    |
| total              | 8.071 | 9.183  | 10.285 | 10.314 | 10.344 | 9.135 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 27.614921093
Full duration: 38.014703989



test scenario HeatStacks.create_and_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack  | 4.032 | 4.108  | 4.322  | 4.37   | 4.419 | 4.169 | 100.0%  | 10    |
| heat.delete_stack  | 1.408 | 1.463  | 1.821  | 2.204  | 2.588 | 1.599 | 100.0%  | 10    |
| total              | 5.497 | 5.706  | 5.963  | 6.33   | 6.698 | 5.768 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 17.1844079494
Full duration: 27.193780899



test scenario HeatStacks.create_and_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
```

```
| heat.create_stack | 22.283 | 23.81  | 24.26  | 24.642 | 25.023 | 23.576 | 100.0%  | 10    |
| heat.delete_stack | 10.675 | 11.83  | 13.071 | 13.072 | 13.073 | 12.167 | 100.0%  | 10    |
| total             | 33.542 | 35.738 | 36.805 | 36.843 | 36.881 | 35.743 | 100.0%  | 10    |
+-------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 107.773921967
Full duration: 118.200341225



test scenario HeatStacks.create_and_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+--------+--------+--------+--------+--------+-------+---------+-------+
| action            | min    | median | 90%ile | 95%ile | max    | avg   | success | count |
+-------------------+--------+--------+--------+--------+--------+-------+---------+-------+
| heat.create_stack | 18.184 | 20.407 | 21.635 | 21.85  | 22.065 | 20.2  | 100.0%  | 10    |
| heat.delete_stack | 10.601 | 10.722 | 11.882 | 11.945 | 12.008 | 11.03 | 100.0%  | 10    |
| total             | 28.903 | 31.02  | 33.025 | 33.24  | 33.455 | 31.23 | 100.0%  | 10    |
+-------------------+--------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 92.4247808456
Full duration: 102.624263048



test scenario HeatStacks.list_stacks_and_resources
+-----------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
| heat.list_stacks               | 0.493 | 0.534  | 0.591  | 0.604  | 0.617 | 0.542 | 100.0%  | 10
| heat.list_resources_of_0_stacks | 0.0   | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 100.0%  | 10
| total                          | 0.493 | 0.534  | 0.592  | 0.604  | 0.617 | 0.542 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
Load duration: 1.70831894875
Full duration: 10.6722428799



test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 4.142 | 4.331  | 4.481  | 4.527  | 4.573  | 4.327  | 100.0%  | 10    |
| heat.update_stack | 3.575 | 3.673  | 3.746  | 3.752  | 3.758  | 3.674  | 100.0%  | 10    |
| heat.delete_stack | 1.9   | 2.609  | 2.795  | 2.836  | 2.877  | 2.6    | 100.0%  | 10    |
| total             | 9.714 | 10.635 | 10.858 | 10.879 | 10.899 | 10.601 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 32.1056320667
Full duration: 42.6386361122



test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
```

action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	4.12	4.273	4.323	4.33	4.336	4.247	100.0%	10
heat.update_stack	3.504	3.594	3.722	3.741	3.76	3.615	100.0%	10
heat.delete_stack	1.391	1.433	1.71	2.139	2.568	1.584	100.0%	10
total	9.04	9.38	9.599	10.09	10.581	9.447	100.0%	10

Load duration: 29.2272830009
Full duration: 40.1677620411

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	3.97	4.292	4.415	4.448	4.481	4.271	100.0%	10
heat.update_stack	5.842	5.898	5.997	6.123	6.248	5.932	100.0%	10
heat.delete_stack	2.495	2.556	3.706	3.713	3.721	2.769	100.0%	10
total	12.606	12.776	13.842	13.936	14.029	12.972	100.0%	10

Load duration: 39.4572560787
Full duration: 50.1925730705

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	4.629	5.407	5.516	5.7	5.884	5.364	100.0%	10
heat.update_stack	8.444	9.309	9.353	9.359	9.365	9.16	100.0%	10
heat.delete_stack	3.645	3.715	3.749	3.76	3.771	3.715	100.0%	10
total	17.585	18.448	18.542	18.731	18.92	18.239	100.0%	10

Load duration: 54.5839819908
Full duration: 66.1476221085

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	4.153	4.42	4.537	4.626	4.716	4.414	100.0%	10
heat.update_stack	5.756	5.867	5.968	5.986	6.003	5.879	100.0%	10
heat.delete_stack	2.537	2.569	3.682	3.771	3.859	2.812	100.0%	10
total	12.735	12.934	13.781	13.841	13.901	13.105	100.0%	10

Load duration: 39.6327600479
Full duration: 51.5351819992

```
test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+-------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| heat.create_stack | 4.216 | 4.41   | 4.524  | 4.563  | 4.602  | 4.398 | 100.0%  | 10    |
| heat.update_stack | 3.532 | 3.608  | 3.773  | 3.784  | 3.795  | 3.634 | 100.0%  | 10    |
| heat.delete_stack | 1.377 | 1.48   | 2.549  | 2.553  | 2.557  | 1.868 | 100.0%  | 10    |
| total             | 9.266 | 9.676  | 10.603 | 10.665 | 10.728 | 9.9   | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 29.3563029766
Full duration: 41.178768158



test scenario HeatStacks.create_and_list_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 4.154 | 4.25   | 4.32   | 4.358  | 4.396 | 4.255 | 100.0%  | 10    |
| heat.list_stacks  | 0.074 | 0.097  | 0.126  | 0.128  | 0.13  | 0.104 | 100.0%  | 10    |
| total             | 4.279 | 4.357  | 4.412  | 4.448  | 4.484 | 4.359 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 13.1276688576
Full duration: 29.3930869102



test scenario HeatStacks.create_check_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 4.092 | 4.317  | 4.556  | 4.566  | 4.577 | 4.328 | 100.0%  | 10    |
| heat.check_stack  | 1.476 | 1.524  | 1.598  | 1.722  | 1.845 | 1.56  | 100.0%  | 10    |
| heat.delete_stack | 1.38  | 2.515  | 2.587  | 2.689  | 2.791 | 2.103 | 100.0%  | 10    |
| total             | 7.059 | 8.243  | 8.619  | 8.666  | 8.713 | 7.99  | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 24.3825399876
Full duration: 35.8954949379



run_rally - INFO - Test scenario: "heat" OK.

run_rally - INFO - Starting test scenario "keystone" ...
run_rally - INFO -
 Preparing input task
 Task  01416586-e6ad-4e3a-a1a2-6fc6305bbaea: started
Task 01416586-e6ad-4e3a-a1a2-6fc6305bbaea: finished

test scenario KeystoneBasic.create_tenant_with_users
```

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.27	0.298	0.409	0.435	0.46	0.321	100.0%	10
keystone.create_users	1.62	1.702	1.784	1.8	1.816	1.71	100.0%	10
total	1.925	2.027	2.126	2.152	2.178	2.031	100.0%	10

Load duration: 6.16570997238
Full duration: 22.7167549133

test scenario KeystoneBasic.create_add_and_list_user_roles

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_role	0.266	0.303	0.411	0.414	0.418	0.326	100.0%	10
keystone.add_role	0.268	0.295	0.314	0.344	0.373	0.3	100.0%	10
keystone.list_roles	0.148	0.159	0.168	0.169	0.17	0.158	100.0%	10
total	0.695	0.767	0.865	0.868	0.872	0.784	100.0%	10

Load duration: 2.35486006737
Full duration: 15.306978941

test scenario KeystoneBasic.add_and_remove_user_role

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_role	0.29	0.387	0.421	0.453	0.485	0.366	100.0%	10
keystone.add_role	0.258	0.281	0.337	0.355	0.373	0.294	100.0%	10
keystone.remove_role	0.164	0.171	0.231	0.302	0.373	0.197	100.0%	10
total	0.747	0.827	0.964	1.078	1.191	0.857	100.0%	10

Load duration: 2.82508516312
Full duration: 16.1954729557

test scenario KeystoneBasic.create_update_and_delete_tenant

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.258	0.319	0.527	0.533	0.538	0.37	100.0%	10
keystone.update_tenant	0.138	0.159	0.258	0.263	0.269	0.18	100.0%	10
keystone.delete_tenant	0.319	0.34	0.454	0.455	0.455	0.371	100.0%	10
total	0.776	0.89	1.119	1.121	1.124	0.922	100.0%	10

Load duration: 2.63998699188

```
Full duration: 14.1927289963



test scenario KeystoneBasic.create_and_delete_service
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------------+-------+--------+--------+--------+-------+-------+----------+-------+
| action                   | min   | median | 90%ile | 95%ile | max   | avg   | success  | count |
+--------------------------+-------+--------+--------+--------+-------+-------+----------+-------+
| keystone.create_service  | 0.278 | 0.299  | 0.315  | 0.315  | 0.316 | 0.3   | 100.0%   | 10    |
| keystone.delete_service  | 0.15  | 0.17   | 0.241  | 0.247  | 0.253 | 0.182 | 100.0%   | 10    |
| total                    | 0.434 | 0.481  | 0.533  | 0.538  | 0.544 | 0.482 | 100.0%   | 10    |
+--------------------------+-------+--------+--------+--------+-------+-------+----------+-------+
Load duration: 1.47481298447
Full duration: 13.4397730827



test scenario KeystoneBasic.create_tenant
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------------+-------+--------+--------+--------+-------+-------+----------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success  | count |
+------------------------+-------+--------+--------+--------+-------+-------+----------+-------+
| keystone.create_tenant | 0.301 | 0.315  | 0.339  | 0.384  | 0.429 | 0.325 | 100.0%   | 10    |
| total                  | 0.301 | 0.316  | 0.339  | 0.384  | 0.429 | 0.325 | 100.0%   | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+----------+-------+
Load duration: 0.985784053802
Full duration: 9.20213198662



test scenario KeystoneBasic.create_user
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+----------------------+------+--------+--------+--------+-------+------+----------+-------+
| action               | min  | median | 90%ile | 95%ile | max   | avg  | success  | count |
+----------------------+------+--------+--------+--------+-------+------+----------+-------+
| keystone.create_user | 0.31 | 0.315  | 0.333  | 0.333  | 0.333 | 0.32 | 100.0%   | 10    |
| total                | 0.31 | 0.315  | 0.333  | 0.333  | 0.333 | 0.32 | 100.0%   | 10    |
+----------------------+------+--------+--------+--------+-------+------+----------+-------+
Load duration: 1.00818705559
Full duration: 9.22635006905



test scenario KeystoneBasic.create_and_list_tenants
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------------+-------+--------+--------+--------+-------+-------+----------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success  | count |
+------------------------+-------+--------+--------+--------+-------+-------+----------+-------+
| keystone.create_tenant | 0.287 | 0.304  | 0.325  | 0.327  | 0.329 | 0.306 | 100.0%   | 10    |
| keystone.list_tenants  | 0.127 | 0.136  | 0.153  | 0.157  | 0.16  | 0.139 | 100.0%   | 10    |
| total                  | 0.42  | 0.445  | 0.462  | 0.466  | 0.469 | 0.445 | 100.0%   | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+----------+-------+
Load duration: 1.36337804794
```

```
Full duration: 14.8872029781



test scenario KeystoneBasic.create_and_delete_role
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_role | 0.282 | 0.386  | 0.408  | 0.422  | 0.436 | 0.365 | 100.0%  | 10    |
| keystone.delete_role | 0.268 | 0.3    | 0.401  | 0.491  | 0.581 | 0.334 | 100.0%  | 10    |
| total                | 0.575 | 0.677  | 0.804  | 0.911  | 1.018 | 0.699 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.04137206078
Full duration: 14.1024041176



test scenario KeystoneBasic.get_entities
+-------------------------------------------------------------------------------------------------------+
|                                     Response Times (sec)                                              |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.286 | 0.308  | 0.319  | 0.328  | 0.336 | 0.307 | 100.0%  | 10    |
| keystone.create_user   | 0.143 | 0.156  | 0.164  | 0.167  | 0.17  | 0.157 | 100.0%  | 10    |
| keystone.create_role   | 0.135 | 0.143  | 0.175  | 0.19   | 0.204 | 0.151 | 100.0%  | 10    |
| keystone.get_tenant    | 0.117 | 0.13   | 0.135  | 0.136  | 0.138 | 0.129 | 100.0%  | 10    |
| keystone.get_user      | 0.127 | 0.15   | 0.222  | 0.227  | 0.232 | 0.162 | 100.0%  | 10    |
| keystone.get_role      | 0.12  | 0.132  | 0.144  | 0.154  | 0.164 | 0.134 | 100.0%  | 10    |
| keystone.service_list  | 0.125 | 0.138  | 0.243  | 0.244  | 0.245 | 0.164 | 100.0%  | 10    |
| keystone.get_service   | 0.124 | 0.133  | 0.153  | 0.194  | 0.235 | 0.143 | 100.0%  | 10    |
| total                  | 1.279 | 1.333  | 1.411  | 1.47   | 1.528 | 1.345 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.00930905342
Full duration: 20.4269800186



test scenario KeystoneBasic.create_and_list_users
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_user | 0.295 | 0.304  | 0.332  | 0.342  | 0.351 | 0.311 | 100.0%  | 10    |
| keystone.list_users  | 0.127 | 0.146  | 0.162  | 0.201  | 0.24  | 0.151 | 100.0%  | 10    |
| total                | 0.422 | 0.458  | 0.506  | 0.523  | 0.539 | 0.462 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.42111587524
Full duration: 9.87036585808



run_rally - INFO - Test scenario: "keystone" OK.

run_rally - INFO - Starting test scenario "neutron" ...
```

```
run_rally - INFO -
 Preparing input task
 Task  31a75089-836c-4dd2-bea5-146049608ff3: started
Task 31a75089-836c-4dd2-bea5-146049608ff3: finished

test scenario NeutronNetworks.create_and_delete_ports
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+---------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count  |
+---------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| neutron.create_port | 0.763 | 0.911  | 1.019  | 1.048  | 1.078 | 0.909 | 100.0%  | 10     |
| neutron.delete_port | 0.237 | 0.633  | 0.682  | 0.717  | 0.752 | 0.534 | 100.0%  | 10     |
| total               | 1.07  | 1.489  | 1.683  | 1.704  | 1.726 | 1.443 | 100.0%  | 10     |
+---------------------+-------+--------+--------+--------+-------+-------+---------+--------+
Load duration: 4.20432686806
Full duration: 54.8132340908



test scenario NeutronNetworks.create_and_list_routers
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+-----------------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action                      | min   | median | 90%ile | 95%ile | max   | avg   | success | count  |
+-----------------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| neutron.create_subnet       | 0.762 | 0.836  | 0.949  | 0.98   | 1.011 | 0.863 | 100.0%  | 10     |
| neutron.create_router       | 0.066 | 0.493  | 0.686  | 0.691  | 0.695 | 0.459 | 100.0%  | 10     |
| neutron.add_interface_router| 0.262 | 0.695  | 0.795  | 0.844  | 0.892 | 0.637 | 100.0%  | 10     |
| neutron.list_routers        | 0.039 | 0.407  | 0.441  | 0.452  | 0.462 | 0.308 | 100.0%  | 10     |
| total                       | 1.54  | 2.352  | 2.744  | 2.824  | 2.904 | 2.268 | 100.0%  | 10     |
+-----------------------------+-------+--------+--------+--------+-------+-------+---------+--------+
Load duration: 7.36094808578
Full duration: 61.3011310101



test scenario NeutronNetworks.create_and_delete_routers
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
| action                          | min   | median | 90%ile | 95%ile | max   | avg   | success | coun
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
| neutron.create_subnet           | 0.79  | 0.836  | 0.945  | 1.009  | 1.072 | 0.868 | 100.0%  | 10
| neutron.create_router           | 0.074 | 0.436  | 0.479  | 0.499  | 0.518 | 0.377 | 100.0%  | 10
| neutron.add_interface_router    | 0.284 | 0.545  | 0.739  | 0.812  | 0.886 | 0.527 | 100.0%  | 10
| neutron.remove_interface_router | 0.221 | 0.615  | 0.709  | 0.724  | 0.739 | 0.518 | 100.0%  | 10
| neutron.delete_router           | 0.187 | 0.566  | 0.709  | 0.751  | 0.793 | 0.508 | 100.0%  | 10
| total                           | 2.124 | 2.811  | 3.347  | 3.379  | 3.412 | 2.799 | 100.0%  | 10
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
Load duration: 8.68784189224
Full duration: 59.8806409836



test scenario NeutronNetworks.create_and_list_ports
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
```

action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_port	0.777	0.895	0.981	1.01	1.039	0.89	100.0%	10
neutron.list_ports	0.525	0.678	0.726	0.735	0.743	0.65	100.0%	10
total	1.351	1.564	1.694	1.729	1.764	1.54	100.0%	10

Load duration: 4.66481399536
Full duration: 56.677120924

test scenario NeutronNetworks.create_and_delete_subnets

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.785	0.926	1.065	1.065	1.065	0.914	100.0%	10
neutron.delete_subnet	0.193	0.762	0.952	1.035	1.117	0.745	100.0%	10
total	1.258	1.702	1.876	1.903	1.929	1.659	100.0%	10

Load duration: 5.09031915665
Full duration: 56.7336909771

test scenario NeutronNetworks.create_and_delete_networks

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_network	0.614	0.708	0.774	0.81	0.847	0.712	100.0%	10
neutron.delete_network	0.144	0.554	0.592	0.645	0.698	0.489	100.0%	10
total	0.809	1.248	1.41	1.418	1.427	1.202	100.0%	10

Load duration: 3.66986989975
Full duration: 34.80159688

test scenario NeutronNetworks.create_and_list_networks

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_network	0.627	0.707	0.85	0.851	0.853	0.719	100.0%	10
neutron.list_networks	0.059	0.439	0.513	0.515	0.518	0.413	100.0%	10
total	0.909	1.126	1.242	1.306	1.371	1.132	100.0%	10

Load duration: 3.38921308517
Full duration: 36.8345379829

test scenario NeutronNetworks.create_and_update_routers

```
+-------------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+------------------------------+-------+--------+--------+--------+-------+-------+---------+--------
| action                       | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+------------------------------+-------+--------+--------+--------+-------+-------+---------+--------
| neutron.create_subnet        | 0.751 | 0.824  | 0.876  | 0.921  | 0.967 | 0.832 | 100.0%  | 10
| neutron.create_router        | 0.431 | 0.473  | 0.541  | 0.577  | 0.613 | 0.489 | 100.0%  | 10
| neutron.add_interface_router | 0.301 | 0.711  | 0.928  | 1.08   | 1.231 | 0.684 | 100.0%  | 10
| neutron.update_router        | 0.48  | 0.514  | 0.703  | 0.74   | 0.778 | 0.579 | 100.0%  | 10
| total                        | 2.062 | 2.629  | 2.871  | 3.084  | 3.298 | 2.584 | 100.0%  | 10
+------------------------------+-------+--------+--------+--------+-------+-------+---------+--------
Load duration: 7.65487504005
Full duration: 63.1229610443



test scenario NeutronNetworks.create_and_update_networks
+-------------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                         |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_network | 0.656 | 0.719  | 1.152  | 1.152  | 1.153 | 0.796 | 100.0%  | 10    |
| neutron.update_network | 0.136 | 0.33   | 0.656  | 0.684  | 0.711 | 0.37  | 100.0%  | 10    |
| total                  | 0.793 | 1.067  | 1.71   | 1.757  | 1.803 | 1.166 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.25723409653
Full duration: 35.7245519161



test scenario NeutronNetworks.create_and_update_ports
+-------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_port | 0.757 | 0.871  | 0.937  | 0.949  | 0.961 | 0.872 | 100.0%  | 10    |
| neutron.update_port | 0.152 | 0.553  | 0.69   | 0.695  | 0.7   | 0.449 | 100.0%  | 10    |
| total               | 1.013 | 1.374  | 1.562  | 1.591  | 1.621 | 1.322 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.26963686943
Full duration: 56.3142960072



test scenario NeutronNetworks.create_and_list_subnets
+-------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet | 0.759 | 0.838  | 0.884  | 0.921  | 0.959 | 0.833 | 100.0%  | 10    |
| neutron.list_subnets  | 0.419 | 0.437  | 0.474  | 0.504  | 0.535 | 0.447 | 100.0%  | 10    |
| total                 | 1.205 | 1.29   | 1.325  | 1.352  | 1.379 | 1.281 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.90167307854
Full duration: 56.5125339031
```

```
test scenario NeutronNetworks.create_and_update_subnets
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet | 0.739 | 0.86   | 0.894  | 0.899  | 0.904 | 0.847 | 100.0%  | 10    |
| neutron.update_subnet | 0.215 | 0.626  | 0.747  | 0.751  | 0.754 | 0.619 | 100.0%  | 10    |
| total                 | 0.992 | 1.503  | 1.597  | 1.604  | 1.611 | 1.466 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.40182685852
Full duration: 57.6830070019



run_rally - INFO - Test scenario: "neutron" OK.

run_rally - INFO - Starting test scenario "nova" ...
run_rally - INFO -
 Preparing input task
 Task  584052d3-7a9b-44cb-b72b-0fa69c80ff0f: started
Task 584052d3-7a9b-44cb-b72b-0fa69c80ff0f: finished

test scenario NovaKeypair.create_and_delete_keypair
+---------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                       |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.create_keypair | 0.784 | 0.836  | 1.474  | 1.484  | 1.495 | 0.974 | 100.0%  | 10    |
| nova.delete_keypair | 0.034 | 0.05   | 0.055  | 0.057  | 0.058 | 0.047 | 100.0%  | 10    |
| total               | 0.832 | 0.883  | 1.529  | 1.541  | 1.553 | 1.022 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.34695100784
Full duration: 45.7756779194



test scenario NovaServers.snapshot_server
+-------------------------------------------------------------------------------------------------------+
|                                        Response Times (sec)                                           |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server      | 7.554  | 10.346 | 11.835 | 11.965 | 12.095 | 10.244 | 100.0%  | 10    |
| nova.create_image     | 11.631 | 12.185 | 12.844 | 13.707 | 14.57  | 12.355 | 100.0%  | 10    |
| nova.delete_server    | 2.863  | 3.258  | 3.364  | 3.387  | 3.409  | 3.184  | 100.0%  | 10    |
| nova.boot_server (2)  | 7.672  | 8.531  | 9.58   | 9.806  | 10.032 | 8.647  | 100.0%  | 10    |
| nova.delete_server (2)| 2.536  | 2.983  | 3.338  | 3.367  | 3.396  | 3.003  | 100.0%  | 10    |
| nova.delete_image     | 2.294  | 3.138  | 3.917  | 3.949  | 3.981  | 3.199  | 100.0%  | 10    |
| total                 | 37.226 | 39.77  | 43.868 | 44.502 | 45.136 | 40.632 | 100.0%  | 10    |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 120.862003088
Full duration: 196.742653131
```

test scenario NovaKeypair.boot_and_delete_server_with_keypair

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.create_keypair	0.722	0.911	1.196	1.303	1.41	0.932	100.0%	10
nova.boot_server	8.584	9.058	10.234	10.397	10.559	9.363	100.0%	10
nova.delete_server	2.535	3.3	3.362	3.407	3.453	3.174	100.0%	10
nova.delete_keypair	0.037	0.048	0.055	0.057	0.059	0.049	100.0%	10
total	12.316	13.426	14.867	14.936	15.006	13.518	100.0%	10

Load duration: 39.9865550995
Full duration: 111.508669853

test scenario NovaKeypair.create_and_list_keypairs

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.create_keypair	0.648	0.815	1.082	1.098	1.113	0.837	100.0%	10
nova.list_keypairs	0.019	0.028	0.042	0.042	0.042	0.03	100.0%	10
total	0.674	0.84	1.113	1.126	1.139	0.868	100.0%	10

Load duration: 2.55701994896
Full duration: 46.8838369846

test scenario NovaServers.list_servers

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.list_servers	1.225	1.717	2.028	2.148	2.269	1.703	100.0%	10
total	1.225	1.717	2.028	2.149	2.269	1.703	100.0%	10

Load duration: 5.18592405319
Full duration: 131.096873999

test scenario NovaServers.resize_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	7.681	9.106	9.667	9.855	10.043	8.967	100.0%	10
nova.resize	41.039	42.444	47.666	47.89	48.113	43.647	100.0%	10
nova.resize_confirm	3.05	3.839	5.756	5.796	5.836	4.129	100.0%	10
nova.delete_server	2.538	2.977	3.37	3.436	3.502	2.99	100.0%	10
total	56.14	58.909	63.601	64.059	64.517	59.734	100.0%	10

```
Load duration: 175.1216681
Full duration: 218.552350998



test scenario NovaServers.boot_server_from_volume_and_delete
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume | 10.051 | 10.651 | 11.762 | 11.824 | 11.885 | 10.8   | 100.0%  | 10    |
| nova.boot_server     | 9.377  | 9.86   | 11.429 | 11.996 | 12.563 | 10.33  | 100.0%  | 10    |
| nova.delete_server   | 3.706  | 5.644  | 6.192  | 6.201  | 6.209  | 5.374  | 100.0%  | 10    |
| total                | 23.576 | 26.289 | 28.117 | 28.514 | 28.911 | 26.505 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 78.3103020191
Full duration: 163.452836037



test scenario NovaServers.boot_and_migrate_server
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server   | 8.257  | 9.346  | 10.61  | 10.662 | 10.713 | 9.544  | 100.0%  | 10    |
| nova.stop_server   | 4.295  | 6.497  | 7.089  | 7.118  | 7.147  | 6.056  | 100.0%  | 10    |
| nova.migrate       | 9.675  | 12.304 | 13.12  | 13.229 | 13.338 | 12.161 | 100.0%  | 10    |
| nova.resize_confirm | 3.122  | 3.507  | 4.272  | 4.364  | 4.457  | 3.653  | 100.0%  | 10    |
| nova.delete_server | 2.554  | 3.188  | 3.429  | 3.496  | 3.562  | 3.139  | 100.0%  | 10    |
| total              | 32.033 | 35.063 | 36.096 | 36.58  | 37.064 | 34.553 | 100.0%  | 10    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 105.193811893
Full duration: 148.141517878



test scenario NovaServers.boot_and_delete_server
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server   | 8.014  | 9.185  | 9.831  | 10.523 | 11.215 | 9.243  | 100.0%  | 10    |
| nova.delete_server | 2.908  | 3.295  | 3.466  | 3.472  | 3.478  | 3.254  | 100.0%  | 10    |
| total              | 11.295 | 12.557 | 13.028 | 13.839 | 14.649 | 12.498 | 100.0%  | 10    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 36.6073288918
Full duration: 109.97128582



test scenario NovaServers.boot_and_rebuild_server
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
```

action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	7.698	9.483	10.427	10.794	11.162	9.37	100.0%	10
nova.rebuild_server	8.598	9.448	10.319	10.378	10.438	9.551	100.0%	10
nova.delete_server	2.858	3.099	3.428	3.623	3.817	3.161	100.0%	10
total	20.044	22.42	23.365	23.559	23.752	22.083	100.0%	10

Load duration: 64.9432969093
Full duration: 139.465661049

test scenario NovaSecGroup.create_and_list_secgroups

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	co
nova.create_10_security_groups	4.683	5.344	5.852	5.859	5.866	5.356	100.0%	10
nova.create_100_rules	42.414	45.678	47.163	47.368	47.574	45.254	100.0%	10
nova.list_security_groups	0.175	0.212	0.354	0.608	0.863	0.283	100.0%	10
total	47.348	51.421	52.56	52.638	52.716	50.893	100.0%	10

Load duration: 151.312942028
Full duration: 221.151799202

test scenario NovaSecGroup.create_and_delete_secgroups

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	co
nova.create_10_security_groups	4.207	5.153	5.865	6.016	6.167	5.223	100.0%	10
nova.create_100_rules	44.426	45.496	46.391	46.57	46.749	45.514	100.0%	10
nova.delete_10_security_groups	1.719	2.314	3.033	3.409	3.786	2.461	100.0%	10
total	51.911	53.27	54.098	54.11	54.121	53.199	100.0%	10

Load duration: 158.767210007
Full duration: 204.404190063

test scenario NovaServers.boot_and_bounce_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	8.232	10.238	11.257	11.387	11.516	9.989	100.0%	10
nova.reboot_server	5.292	6.196	8.351	8.675	8.999	6.856	100.0%	10
nova.soft_reboot_server	7.958	8.738	8.914	8.918	8.923	8.624	100.0%	10
nova.stop_server	3.374	6.332	7.13	7.453	7.776	5.867	100.0%	10
nova.start_server	2.904	4.376	4.992	5.042	5.093	4.338	100.0%	10
nova.rescue_server	7.695	9.49	10.886	11.148	11.409	9.448	100.0%	10
nova.unrescue_server	5.081	5.557	7.819	8.065	8.31	5.985	100.0%	10
nova.delete_server	2.544	3.077	3.429	3.523	3.617	3.093	100.0%	10

```
| total                    | 49.625 | 55.207 | 55.707 | 56.454 | 57.202 | 54.222 | 100.0%  | 10    |
+--------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 163.818984032
Full duration: 233.215523958



test scenario NovaServers.boot_server
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action           | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| nova.boot_server | 8.48  | 8.958  | 10.243 | 10.531 | 10.819 | 9.243 | 100.0%  | 10    |
| total            | 8.481 | 8.958  | 10.244 | 10.531 | 10.819 | 9.244 | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 27.3609120846
Full duration: 84.3593919277



test scenario NovaSecGroup.boot_and_delete_server_with_secgroups
+-----------------------------------------------------------------------------------------------------------
|                                          Response Times (sec)
+-----------------------------------+--------+--------+--------+--------+--------+--------+----------
| action                            | min    | median | 90%ile | 95%ile | max    | avg    | success
+-----------------------------------+--------+--------+--------+--------+--------+--------+----------
| nova.create_10_security_groups    | 4.247  | 5.184  | 5.369  | 5.396  | 5.424  | 5.095  | 100.0%
| nova.create_100_rules             | 40.661 | 43.059 | 43.938 | 44.458 | 44.978 | 42.794 | 100.0%
| nova.boot_server                  | 6.947  | 8.26   | 9.169  | 9.358  | 9.548  | 8.098  | 100.0%
| nova.get_attached_security_groups | 0.225  | 0.263  | 0.273  | 0.293  | 0.313  | 0.26   | 100.0%
| nova.delete_server                | 2.528  | 2.586  | 2.843  | 2.904  | 2.965  | 2.638  | 100.0%
| nova.delete_10_security_groups    | 1.791  | 2.426  | 2.99   | 3.057  | 3.123  | 2.475  | 100.0%
| total                             | 59.505 | 61.408 | 62.425 | 63.244 | 64.063 | 61.363 | 100.0%
+-----------------------------------+--------+--------+--------+--------+--------+--------+----------
Load duration: 184.570534945
Full duration: 253.34465313



test scenario NovaServers.pause_and_unpause_server
+-------------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                         |
+---------------------+--------+--------+--------+--------+--------+-------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg   | success | count |
+---------------------+--------+--------+--------+--------+--------+-------+---------+-------+
| nova.boot_server    | 7.448  | 9.26   | 10.374 | 10.502 | 10.629 | 9.397 | 100.0%  | 10    |
| nova.pause_server   | 2.424  | 3.161  | 3.286  | 3.379  | 3.472  | 3.026 | 100.0%  | 10    |
| nova.unpause_server | 2.773  | 3.096  | 3.242  | 3.272  | 3.303  | 3.035 | 100.0%  | 10    |
| nova.delete_server  | 2.878  | 3.224  | 3.526  | 3.553  | 3.58   | 3.191 | 100.0%  | 10    |
| total               | 15.943 | 18.76  | 19.747 | 19.77  | 19.793 | 18.65 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 56.3870060444
Full duration: 124.540560007



test scenario NovaServers.boot_server_from_volume
```

```
+-----------------------------------------------------------------------------------------+-------+
|                                    Response Times (sec)                                 |       |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume | 9.453  | 10.083 | 10.563 | 10.801 | 11.039 | 10.104 | 100.0%  | 10    |
| nova.boot_server     | 9.213  | 10.415 | 10.885 | 11.116 | 11.346 | 10.301 | 100.0%  | 10    |
| total                | 18.667 | 20.779 | 21.44  | 21.628 | 21.816 | 20.405 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 60.3854188919
Full duration: 124.319462061



test scenario NovaServers.boot_and_list_server
+-------------------------------------------------------------------------------------------+-------+
|                                    Response Times (sec)                                   |       |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server  | 8.037 | 9.396  | 10.043 | 10.516 | 10.989 | 9.351  | 100.0%  | 10    |
| nova.list_servers | 0.654 | 1.026  | 1.113  | 1.156  | 1.198  | 0.988  | 100.0%  | 10    |
| total             | 8.984 | 10.311 | 11.119 | 11.575 | 12.032 | 10.339 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 31.5458390713
Full duration: 114.252287149



run_rally - INFO - Test scenario: "nova" OK.

run_rally - INFO - Starting test scenario "quotas" ...
run_rally - INFO -
 Preparing input task
 Task  5d3885f2-1759-48e8-9284-c14f3492c4f3: started
Task 5d3885f2-1759-48e8-9284-c14f3492c4f3: finished

test scenario Quotas.cinder_update
+-----------------------------------------------------------------------------------------+-------+
|                                    Response Times (sec)                                 |       |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 1.126 | 1.235  | 1.607  | 1.612  | 1.618 | 1.297 | 100.0%  | 10    |
| total                | 1.126 | 1.235  | 1.607  | 1.613  | 1.618 | 1.297 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.74135613441
Full duration: 16.1623110771



test scenario Quotas.neutron_update
+-----------------------------------------------------------------------------------------+-------+
|                                    Response Times (sec)                                 |       |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.407 | 0.429  | 0.526  | 0.528  | 0.531 | 0.447 | 100.0%  | 10    |
```

```
| total                | 0.552 | 0.586  | 0.666  | 0.671  | 0.676 | 0.599 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.82448792458
Full duration: 13.357311964



test scenario Quotas.cinder_update_and_delete
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 1.093 | 1.146  | 1.27   | 1.276  | 1.282 | 1.177 | 100.0%  | 10    |
| quotas.delete_quotas | 0.536 | 0.907  | 0.975  | 1.01   | 1.046 | 0.862 | 100.0%  | 10    |
| total                | 1.67  | 2.089  | 2.177  | 2.184  | 2.192 | 2.039 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 6.09977889061
Full duration: 18.3411080837



test scenario Quotas.nova_update_and_delete
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.58  | 0.636  | 0.718  | 0.764  | 0.81  | 0.652 | 100.0%  | 10    |
| quotas.delete_quotas | 0.018 | 0.026  | 0.035  | 0.039  | 0.043 | 0.028 | 100.0%  | 10    |
| total                | 0.616 | 0.657  | 0.741  | 0.793  | 0.844 | 0.68  | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.00378704071
Full duration: 13.8784749508



test scenario Quotas.nova_update
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.583 | 0.637  | 0.914  | 1.049  | 1.185 | 0.713 | 100.0%  | 10    |
| total                | 0.583 | 0.637  | 0.914  | 1.05   | 1.186 | 0.713 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.00103402138
Full duration: 13.8432979584



run_rally - INFO - Test scenario: "quotas" OK.

run_rally - INFO - Starting test scenario "requests" ...
run_rally - INFO -
 Preparing input task
 Task  6e9ed029-0497-4707-a4d4-c83a848e12e4: started
Task 6e9ed029-0497-4707-a4d4-c83a848e12e4: finished
```

```
test scenario HttpRequests.check_random_request
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| requests.check_request | 0.044 | 0.183  | 0.349  | 0.376  | 0.402 | 0.201 | 100.0%  | 10    |
| total                  | 0.045 | 0.183  | 0.349  | 0.376  | 0.403 | 0.201 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.716305971146
Full duration: 5.89718389511



test scenario HttpRequests.check_request
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| requests.check_request | 0.044 | 0.046  | 0.052  | 0.053  | 0.054 | 0.048 | 100.0%  | 10    |
| total                  | 0.044 | 0.046  | 0.052  | 0.053  | 0.054 | 0.048 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.182355165482
Full duration: 5.23191189766



run_rally - INFO - Test scenario: "requests" OK.

run_rally - INFO -


                     Rally Summary Report
+===================+============+===============+===========+
| Module            | Duration   | nb. Test Run  | Success   |
+===================+============+===============+===========+
| authenticate      | 00:58      | 10            | 100.00%   |
+-------------------+------------+---------------+-----------+
| glance            | 03:31      | 7             | 100.00%   |
+-------------------+------------+---------------+-----------+
| cinder            | 22:25      | 50            | 100.00%   |
+-------------------+------------+---------------+-----------+
| heat              | 10:53      | 35            | 100.00%   |
+-------------------+------------+---------------+-----------+
| keystone          | 02:39      | 29            | 100.00%   |
+-------------------+------------+---------------+-----------+
| neutron           | 10:30      | 31            | 100.00%   |
+-------------------+------------+---------------+-----------+
| nova              | 44:31      | 61            | 100.00%   |
+-------------------+------------+---------------+-----------+
| quotas            | 01:15      | 7             | 100.00%   |
+-------------------+------------+---------------+-----------+
| requests          | 00:11      | 2             | 100.00%   |
+-------------------+------------+---------------+-----------+
+===================+============+===============+===========+
| TOTAL:            | 01:36:57   | 232           | 100.00%   |
+===================+============+===============+===========+
```

3.23 SDN Controller

3.23.1 ONOS

```
FUNCTEST.info: Running ONOS test case...
FUNCvirNetNB - INFO - Creating component Handle: ONOSrest
*****************************
 CASE INIT
*****************************

['ONOSrest']

*****************************
 Result summary for Testcase2
*****************************

[2016-02-21 09:55:56.965174] [FUNCvirNetNB] [CASE]  Virtual Network NBI Test - Network Post
[2016-02-21 09:55:56.965727] [FUNCvirNetNB] [STEP]  2.1: Generate Post Data
[2016-02-21 09:55:56.966454] [FUNCvirNetNB] [STEP]  2.2: Post Data via HTTP
[2016-02-21 09:55:57.006264] [FUNCvirNetNB] [STEP]  2.3: Get Data via HTTP
[2016-02-21 09:55:57.037745] [FUNCvirNetNB] [STEP]  2.4: Compare Send Id and Get Id

*****************************
 Result: Pass
*****************************


*****************************
 Result summary for Testcase3
*****************************

[2016-02-21 09:55:57.048240] [FUNCvirNetNB] [CASE]  Virtual Network NBI Test - Network Update
[2016-02-21 09:55:57.048783] [FUNCvirNetNB] [STEP]  3.1: Generate Post Data
[2016-02-21 09:55:57.049571] [FUNCvirNetNB] [STEP]  3.2: Post Data via HTTP
[2016-02-21 09:55:57.056744] [FUNCvirNetNB] [STEP]  3.3: Update Data via HTTP
[2016-02-21 09:55:57.064248] [FUNCvirNetNB] [STEP]  3.4: Get Data via HTTP
[2016-02-21 09:55:57.072845] [FUNCvirNetNB] [STEP]  3.5: Compare Update data.

*****************************
 Result: Pass
*****************************


*****************************
 Result summary for Testcase4
*****************************

[2016-02-21 09:55:57.084363] [FUNCvirNetNB] [CASE]  Virtual Network NBI Test - Network Delete
[2016-02-21 09:55:57.084882] [FUNCvirNetNB] [STEP]  4.1: Generate Post Data
[2016-02-21 09:55:57.085617] [FUNCvirNetNB] [STEP]  4.2: Post Data via HTTP
[2016-02-21 09:55:57.093018] [FUNCvirNetNB] [STEP]  4.3: Delete Data via HTTP
[2016-02-21 09:55:57.099770] [FUNCvirNetNB] [STEP]  4.4: Get Data is NULL

*****************************
 Result: Pass
*****************************
```

```
*****************************
 Result summary for Testcase5
*****************************

[2016-02-21 09:56:02.115745] [FUNCvirNetNB] [CASE]  Virtual Network NBI Test - Subnet Post
[2016-02-21 09:56:02.116339] [FUNCvirNetNB] [STEP]  5.1: Generate Post Data
[2016-02-21 09:56:02.117459] [FUNCvirNetNB] [STEP]  5.2: Post Network Data via HTTP(Post Subnet need
[2016-02-21 09:56:02.126052] [FUNCvirNetNB] [STEP]  5.3: Post Subnet Data via HTTP
[2016-02-21 09:56:02.159577] [FUNCvirNetNB] [STEP]  5.4: Get Subnet Data via HTTP
[2016-02-21 09:56:02.172655] [FUNCvirNetNB] [STEP]  5.5: Compare Post Subnet Data via HTTP

*****************************
 Result: Pass
*****************************


*****************************
 Result summary for Testcase6
*****************************

[2016-02-21 09:56:02.183187] [FUNCvirNetNB] [CASE]  Virtual Network NBI Test - Subnet Update
[2016-02-21 09:56:02.183876] [FUNCvirNetNB] [STEP]  6.1: Generate Post Data
[2016-02-21 09:56:02.184887] [FUNCvirNetNB] [STEP]  6.2: Post Network Data via HTTP(Post Subnet need
[2016-02-21 09:56:02.192777] [FUNCvirNetNB] [STEP]  6.3: Post Subnet Data via HTTP
[2016-02-21 09:56:02.201349] [FUNCvirNetNB] [STEP]  6.4: Update Subnet Data via HTTP
[2016-02-21 09:56:02.209629] [FUNCvirNetNB] [STEP]  6.5: Get Subnet Data via HTTP
[2016-02-21 09:56:02.216700] [FUNCvirNetNB] [STEP]  6.6: Compare Subnet Data
[2016-02-21 09:56:02.217492] [FUNCvirNetNB] [STEP]  6.7: Delete Subnet via HTTP

*****************************
 Result: Pass
*****************************


*****************************
 Result summary for Testcase7
*****************************

[2016-02-21 09:56:02.227738] [FUNCvirNetNB] [CASE]  Virtual Network NBI Test - Subnet Delete
[2016-02-21 09:56:02.228309] [FUNCvirNetNB] [STEP]  7.1: Generate Post Data
[2016-02-21 09:56:02.229188] [FUNCvirNetNB] [STEP]  7.2: Post Network Data via HTTP(Post Subnet need
[2016-02-21 09:56:02.237036] [FUNCvirNetNB] [STEP]  7.3: Post Subnet Data via HTTP
[2016-02-21 09:56:02.245482] [FUNCvirNetNB] [STEP]  7.4: Delete Subnet Data via HTTP
[2016-02-21 09:56:02.253076] [FUNCvirNetNB] [STEP]  7.5: Get Subnet Data is NULL

*****************************
 Result: Pass
*****************************


*****************************
 Result summary for Testcase8
*****************************

[2016-02-21 09:56:07.269037] [FUNCvirNetNB] [CASE]  Virtual Network NBI Test - Port Post
[2016-02-21 09:56:07.269689] [FUNCvirNetNB] [STEP]  8.1: Generate Post Data
[2016-02-21 09:56:07.270772] [FUNCvirNetNB] [STEP]  8.2: Post Network Data via HTTP(Post port need po
[2016-02-21 09:56:07.279440] [FUNCvirNetNB] [STEP]  8.3: Post Subnet Data via HTTP(Post port need pos
```

```
[2016-02-21 09:56:07.287800] [FUNCvirNetNB] [STEP]  8.4: Post Port Data via HTTP
[2016-02-21 09:56:07.296863] [FUNCvirNetNB] [STEP]  8.5: Get Port Data via HTTP
[2016-02-21 09:56:07.306388] [FUNCvirNetNB] [STEP]  8.6: Compare Post Port Data
[2016-02-21 09:56:07.307677] [FUNCvirNetNB] [STEP]  8.7: Clean Data via HTTP

*****************************
 Result: Pass
*****************************


*****************************
 Result summary for Testcase9
*****************************

[2016-02-21 09:56:07.318023] [FUNCvirNetNB] [CASE]  Virtual Network NBI Test - Port Update
[2016-02-21 09:56:07.318708] [FUNCvirNetNB] [STEP]  9.1: Generate Post Data
[2016-02-21 09:56:07.320149] [FUNCvirNetNB] [STEP]  9.2: Post Network Data via HTTP(Post port need po
[2016-02-21 09:56:07.327326] [FUNCvirNetNB] [STEP]  9.3: Post Subnet Data via HTTP(Post port need pos
[2016-02-21 09:56:07.336517] [FUNCvirNetNB] [STEP]  9.4: Post Port Data via HTTP
[2016-02-21 09:56:07.345702] [FUNCvirNetNB] [STEP]  9.5: Update Port Data via HTTP
[2016-02-21 09:56:07.354021] [FUNCvirNetNB] [STEP]  9.6: Get Port Data via HTTP
[2016-02-21 09:56:07.360429] [FUNCvirNetNB] [STEP]  9.7: Compare Update Port Data
[2016-02-21 09:56:07.361666] [FUNCvirNetNB] [STEP]  9.8: Clean Data via HTTP

*****************************
 Result: Pass
*****************************


*****************************
 Result summary for Testcase10
*****************************

[2016-02-21 09:56:07.372086] [FUNCvirNetNB] [CASE]  Virtual Network NBI Test - Port Delete
[2016-02-21 09:56:07.372739] [FUNCvirNetNB] [STEP]  10.1: Generate Post Data
[2016-02-21 09:56:07.373778] [FUNCvirNetNB] [STEP]  10.2: Post Network Data via HTTP(Post port need p
[2016-02-21 09:56:07.380739] [FUNCvirNetNB] [STEP]  10.3: Post Subnet Data via HTTP(Post port need po
[2016-02-21 09:56:07.388862] [FUNCvirNetNB] [STEP]  10.4: Post Port Data via HTTP
[2016-02-21 09:56:07.396014] [FUNCvirNetNB] [STEP]  10.5: Delete Port Data via HTTP
[2016-02-21 09:56:07.417621] [FUNCvirNetNB] [STEP]  10.6: Get Port Data is NULL
[2016-02-21 09:56:12.430407] [FUNCvirNetNB] [STEP]  10.7: Clean Data via HTTP

*****************************
 Result: Pass
*****************************



************************************
    Test Execution Summary

************************************

 Test Start           : 21 Feb 2016 09:55:56
 Test End             : 21 Feb 2016 09:56:12
 Execution Time       : 0:00:15.628718
 Total tests planned  : 9
 Total tests RUN      : 9
```

```
 Total Pass           : 9
 Total Fail           : 0
 Total No Result      : 0
 Success Percentage   : 100%
 Execution Result     : 100%



*****************************
 CASE INIT
*****************************

['ONOSrest']

*****************************
 Result summary for Testcase2
*****************************

[2016-02-21 09:56:12.836955] [FUNCvirNetNBL3] [CASE]  Virtual Network NBI Test - Router Post
[2016-02-21 09:56:12.838221] [FUNCvirNetNBL3] [STEP]  2.1: Post Network Data via HTTP(Post Router nee
[2016-02-21 09:56:12.873649] [FUNCvirNetNBL3] [STEP]  2.2: Post Router Data via HTTP
[2016-02-21 09:56:12.881751] [FUNCvirNetNBL3] [STEP]  2.3: Get Router Data via HTTP
[2016-02-21 09:56:12.914578] [FUNCvirNetNBL3] [STEP]  2.4: Compare Post Router Data via HTTP

*****************************
 Result: Pass
*****************************


*****************************
 Result summary for Testcase3
*****************************

[2016-02-21 09:56:12.930658] [FUNCvirNetNBL3] [CASE]  Virtual Network NBI Test - Router Update
[2016-02-21 09:56:12.931841] [FUNCvirNetNBL3] [STEP]  3.1: Post Network Data via HTTP(Post Router nee
[2016-02-21 09:56:12.939584] [FUNCvirNetNBL3] [STEP]  3.2: Post Router Data via HTTP
[2016-02-21 09:56:12.946895] [FUNCvirNetNBL3] [STEP]  3.3: Update Router Data via HTTP
[2016-02-21 09:56:12.953601] [FUNCvirNetNBL3] [STEP]  3.4: Get Router Data via HTTP
[2016-02-21 09:56:12.959887] [FUNCvirNetNBL3] [STEP]  3.5: Compare Router Data
[2016-02-21 09:56:12.961048] [FUNCvirNetNBL3] [STEP]  3.6: Delete Router via HTTP

*****************************
 Result: Pass
*****************************


*****************************
 Result summary for Testcase4
*****************************

[2016-02-21 09:56:12.970433] [FUNCvirNetNBL3] [CASE]  Virtual Network NBI Test - Router Delete
[2016-02-21 09:56:12.971622] [FUNCvirNetNBL3] [STEP]  4.1: Post Network Data via HTTP(Post Router nee
[2016-02-21 09:56:12.979473] [FUNCvirNetNBL3] [STEP]  4.2: Post Router Data via HTTP
[2016-02-21 09:56:12.986263] [FUNCvirNetNBL3] [STEP]  4.3: Delete Router Data via HTTP
[2016-02-21 09:56:12.992190] [FUNCvirNetNBL3] [STEP]  4.4: Get Router Data is NULL
Verify the Router status

*****************************
```

```
 Result: Pass
*****************************


*****************************
 Result summary for Testcase5
*****************************

[2016-02-21 09:56:18.008957] [FUNCvirNetNBL3] [CASE]  Virtual Network NBI Test - RouterInterface Post
[2016-02-21 09:56:18.010175] [FUNCvirNetNBL3] [STEP]  5.1: Post Network Data via HTTP(Post port need
[2016-02-21 09:56:18.018296] [FUNCvirNetNBL3] [STEP]  5.2: Post Subnet Data via HTTP(Post port need p
[2016-02-21 09:56:18.026382] [FUNCvirNetNBL3] [STEP]  5.3: Post Port Data via HTTP
[2016-02-21 09:56:18.034099] [FUNCvirNetNBL3] [STEP]  5.4: Post Router Data via HTTP
[2016-02-21 09:56:18.040193] [FUNCvirNetNBL3] [STEP]  5.5: Put RouterInterface Data via HTTP
[2016-02-21 09:56:18.047317] [FUNCvirNetNBL3] [STEP]  5.6: Get RouterInterface Data via HTTP
[2016-02-21 09:56:18.053592] [FUNCvirNetNBL3] [STEP]  5.7: Compare Post Port Data
[2016-02-21 09:56:18.055253] [FUNCvirNetNBL3] [STEP]  5.8: Del RouterInterface Data via HTTP
[2016-02-21 09:56:18.062038] [FUNCvirNetNBL3] [STEP]  5.9: Clean Data via HTTP

*****************************
 Result: Pass
*****************************


*****************************
 Result summary for Testcase6
*****************************

[2016-02-21 09:56:18.078391] [FUNCvirNetNBL3] [CASE]  Virtual Network NBI Test - RouterInterface Dele
[2016-02-21 09:56:18.079883] [FUNCvirNetNBL3] [STEP]  6.1: Post Network Data via HTTP(Post port need
[2016-02-21 09:56:18.087420] [FUNCvirNetNBL3] [STEP]  6.2: Post Subnet Data via HTTP(Post port need p
[2016-02-21 09:56:18.095337] [FUNCvirNetNBL3] [STEP]  6.3: Post Port Data via HTTP
[2016-02-21 09:56:18.103345] [FUNCvirNetNBL3] [STEP]  6.4: Post Router Data via HTTP
[2016-02-21 09:56:18.109767] [FUNCvirNetNBL3] [STEP]  6.5: Post RouterInterface Data via HTTP
[2016-02-21 09:56:18.116024] [FUNCvirNetNBL3] [STEP]  6.6: Del RouterInterface Data via HTTP
[2016-02-21 09:56:18.122686] [FUNCvirNetNBL3] [STEP]  6.7: Delete Port Data via HTTP
[2016-02-21 09:56:18.129655] [FUNCvirNetNBL3] [STEP]  6.8: Get Port Data is NULL
[2016-02-21 09:56:23.145559] [FUNCvirNetNBL3] [STEP]  6.9: Clean Data via HTTP

*****************************
 Result: Pass
*****************************


*****************************
 Result summary for Testcase7
*****************************

[2016-02-21 09:56:23.164294] [FUNCvirNetNBL3] [CASE]  Virtual Network NBI Test - FloatingIp Post
[2016-02-21 09:56:23.165631] [FUNCvirNetNBL3] [STEP]  7.1: Post Network Data via HTTP(Post port need
[2016-02-21 09:56:23.173909] [FUNCvirNetNBL3] [STEP]  7.2: Post Subnet Data via HTTP(Post port need p
[2016-02-21 09:56:23.182105] [FUNCvirNetNBL3] [STEP]  7.3: Post Port Data via HTTP
[2016-02-21 09:56:23.189623] [FUNCvirNetNBL3] [STEP]  7.4: Post Router Data via HTTP
[2016-02-21 09:56:23.196108] [FUNCvirNetNBL3] [STEP]  7.5: Get Port Data via HTTP
[2016-02-21 09:56:23.204332] [FUNCvirNetNBL3] [STEP]  7.6: Post FloatingIp Data via HTTP
[2016-02-21 09:56:23.211580] [FUNCvirNetNBL3] [STEP]  7.7: Get Port Data via HTTP
[2016-02-21 09:56:23.218993] [FUNCvirNetNBL3] [STEP]  7.8: Get FloatingIp Data via HTTP
[2016-02-21 09:56:23.251318] [FUNCvirNetNBL3] [STEP]  7.9: Get FloatingIp Data via HTTP
```

```
[2016-02-21 09:56:23.259068] [FUNCvirNetNBL3] [STEP]  7.10: Compare Post FloatingIp Data
[2016-02-21 09:56:23.260001] [FUNCvirNetNBL3] [STEP]  7.11: Post FloatingIp Clean Data via HTTP
[2016-02-21 09:56:23.266784] [FUNCvirNetNBL3] [STEP]  7.12: Clean Data via HTTP

*****************************
 Result: Pass
*****************************


*****************************
 Result summary for Testcase8
*****************************

[2016-02-21 09:56:23.289110] [FUNCvirNetNBL3] [CASE]  Virtual Network NBI Test - FloatingIp Update
[2016-02-21 09:56:23.291300] [FUNCvirNetNBL3] [STEP]  8.1: Post Network Data via HTTP(Post port need
[2016-02-21 09:56:23.299318] [FUNCvirNetNBL3] [STEP]  8.2: Post Subnet Data via HTTP(Post port need p
[2016-02-21 09:56:23.307738] [FUNCvirNetNBL3] [STEP]  8.3: Post Port Data via HTTP
[2016-02-21 09:56:23.315822] [FUNCvirNetNBL3] [STEP]  8.4: Post Router Data via HTTP
[2016-02-21 09:56:23.322853] [FUNCvirNetNBL3] [STEP]  8.5: Post FloatingIp Data via HTTP
[2016-02-21 09:56:23.329316] [FUNCvirNetNBL3] [STEP]  8.6: Post Delete Data via HTTP
[2016-02-21 09:56:23.337183] [FUNCvirNetNBL3] [STEP]  8.7: Post NewPort Data via HTTP
[2016-02-21 09:56:23.345756] [FUNCvirNetNBL3] [STEP]  8.8: Post NewFloatingIp Data via HTTP
[2016-02-21 09:56:23.353311] [FUNCvirNetNBL3] [STEP]  8.9: Get NewFloatingIp Data via HTTP
[2016-02-21 09:56:23.384949] [FUNCvirNetNBL3] [STEP]  8.10: Compare Post FloatingIp Data
[2016-02-21 09:56:23.385934] [FUNCvirNetNBL3] [STEP]  8.11: Post FloatingIp Clean Data via HTTP
[2016-02-21 09:56:23.392515] [FUNCvirNetNBL3] [STEP]  8.12: Clean Data via HTTP

*****************************
 Result: Pass
*****************************


*****************************
 Result summary for Testcase9
*****************************

[2016-02-21 09:56:23.416898] [FUNCvirNetNBL3] [CASE]  Virtual Network NBI Test - FloatingIp Delete
[2016-02-21 09:56:23.418399] [FUNCvirNetNBL3] [STEP]  9.1: Post Network Data via HTTP(Post port need
[2016-02-21 09:56:23.425551] [FUNCvirNetNBL3] [STEP]  9.2: Post Subnet Data via HTTP(Post port need p
[2016-02-21 09:56:23.433217] [FUNCvirNetNBL3] [STEP]  9.3: Post Port Data via HTTP
[2016-02-21 09:56:23.440717] [FUNCvirNetNBL3] [STEP]  9.4: Post Router Data via HTTP
[2016-02-21 09:56:23.447116] [FUNCvirNetNBL3] [STEP]  9.5: Post FloatingIp Data via HTTP
[2016-02-21 09:56:23.454356] [FUNCvirNetNBL3] [STEP]  9.6: Post FloatingIp Clean Data via HTTP
[2016-02-21 09:56:23.465800] [FUNCvirNetNBL3] [STEP]  9.7: Get FloatingIp Data is NULL
[2016-02-21 09:56:28.479269] [FUNCvirNetNBL3] [STEP]  9.8: Clean Data via HTTP

*****************************
 Result: Pass
*****************************


*****************************
 Result summary for Testcase10
*****************************

[2016-02-21 09:56:28.496538] [FUNCvirNetNBL3] [CASE]  Virtual Network NBI Test - Gateway Post
[2016-02-21 09:56:28.498465] [FUNCvirNetNBL3] [STEP]  10.1: Post Network Data via HTTP(Post port neec
[2016-02-21 09:56:28.507466] [FUNCvirNetNBL3] [STEP]  10.2: Post Subnet Data via HTTP(Post port need
```

```
[2016-02-21 09:56:28.515564] [FUNCvirNetNBL3] [STEP]  10.3: Post Port Data via HTTP
[2016-02-21 09:56:28.522598] [FUNCvirNetNBL3] [STEP]  10.4: Post Router Data via HTTP
[2016-02-21 09:56:28.528755] [FUNCvirNetNBL3] [STEP]  10.5: Get Gateway Data via HTTP
[2016-02-21 09:56:28.536142] [FUNCvirNetNBL3] [STEP]  10.6: Compare Post Gateway Data
[2016-02-21 09:56:28.537198] [FUNCvirNetNBL3] [STEP]  10.7: Clean Data via HTTP

*****************************
 Result: Pass
*****************************


*****************************
 Result summary for Testcase11
*****************************

[2016-02-21 09:56:28.553805] [FUNCvirNetNBL3] [CASE]  Virtual Network NBI Test - Gateway Update
[2016-02-21 09:56:28.555461] [FUNCvirNetNBL3] [STEP]  11.1: Post Network Data via HTTP(Post port neec
[2016-02-21 09:56:28.562664] [FUNCvirNetNBL3] [STEP]  11.2: Post Subnet Data via HTTP(Post port need
[2016-02-21 09:56:28.570094] [FUNCvirNetNBL3] [STEP]  11.3: Post Port Data via HTTP
[2016-02-21 09:56:28.577203] [FUNCvirNetNBL3] [STEP]  11.4: Post Router Data via HTTP
[2016-02-21 09:56:28.583265] [FUNCvirNetNBL3] [STEP]  11.5: Post New Router Data via HTTP
[2016-02-21 09:56:28.589203] [FUNCvirNetNBL3] [STEP]  11.6: Get Gateway Data via HTTP
[2016-02-21 09:56:28.594700] [FUNCvirNetNBL3] [STEP]  11.7: Compare Post Gateway Data
[2016-02-21 09:56:28.595799] [FUNCvirNetNBL3] [STEP]  11.8: Clean Data via HTTP

*****************************
 Result: Pass
*****************************


*****************************
 Result summary for Testcase12
*****************************

[2016-02-21 09:56:28.611322] [FUNCvirNetNBL3] [CASE]  Virtual Network NBI Test - Gateway Delete
[2016-02-21 09:56:28.612734] [FUNCvirNetNBL3] [STEP]  12.1: Post Network Data via HTTP(Post port neec
[2016-02-21 09:56:28.620160] [FUNCvirNetNBL3] [STEP]  12.2: Post Subnet Data via HTTP(Post port need
[2016-02-21 09:56:28.628079] [FUNCvirNetNBL3] [STEP]  12.3: Post Port Data via HTTP
[2016-02-21 09:56:28.635761] [FUNCvirNetNBL3] [STEP]  12.4: Post Router Data via HTTP
[2016-02-21 09:56:28.642664] [FUNCvirNetNBL3] [STEP]  12.5: Post Del Gateway Data via HTTP
[2016-02-21 09:56:28.648775] [FUNCvirNetNBL3] [STEP]  12.6: Get Gateway Data via HTTP
[2016-02-21 09:56:28.654590] [FUNCvirNetNBL3] [STEP]  12.7: If Gateway Data is NULL
[2016-02-21 09:56:33.660980] [FUNCvirNetNBL3] [STEP]  12.8: Clean Data via HTTP

*****************************
 Result: Pass
*****************************



***********************************
    Test Execution Summary

***********************************

 Test Start           : 21 Feb 2016 09:56:12
 Test End             : 21 Feb 2016 09:56:33
 Execution Time       : 0:00:20.999784
```

```
 Total tests planned  : 11
 Total tests RUN      : 11
 Total Pass           : 11
 Total Fail           : 0
 Total No Result      : 0
 Success Percentage   : 100%
 Execution Result     : 100%
```

3.24 Feature tests

3.24.1 Promise

```
FUNCTEST.info: Running PROMISE test case...
Promise- INFO - Creating tenant 'promise'...
Promise- INFO - Adding role '9d0a0a36d3d54cdcb4cd3c29c5f79a28' to tenant 'promise'...
Promise- INFO - Creating user 'promiser'...
Promise- INFO - Updating OpenStack credentials...
Promise- INFO - Creating image 'promise-img' from '/home/opnfv/functest/data/cirros-0.3.4-x86_64-disk
Promise- INFO - Creating flavor 'promise-flavor'...
Promise- INFO - Exporting environment variables...
Promise- INFO - Running command: npm run -s test -- --reporter json
Promise- INFO - The test succeeded.
Promise- DEBUG -
{
  "stats": {
    "suites": 23,
    "tests": 33,
    "passes": 33,
    "pending": 0,
    "failures": 0,
    "start": "2016-02-21T09:56:46.846Z",
    "end": "2016-02-21T09:56:51.847Z",
    "duration": 5524
  },
  "tests": [
    {
      "title": "should add a new OpenStack provider without error",
      "fullTitle": "promise register OpenStack into resource pool add-provider should add a new OpenS
      "duration": 1217,
      "err": {}
    },
    {
      "title": "should update promise.providers with a new entry",
      "fullTitle": "promise register OpenStack into resource pool add-provider should update promise.
      "duration": 10,
      "err": {}
    },
    {
      "title": "should contain a new ResourceProvider record in the store",
      "fullTitle": "promise register OpenStack into resource pool add-provider should contain a new R
      "duration": 0,
      "err": {}
    },
    {
      "title": "should add more capacity to the reservation service without error",
```

```
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should add more c
      "duration": 25,
      "err": {}
    },
    {
      "title": "should update promise.pools with a new entry",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should update pro
      "duration": 1,
      "err": {}
    },
    {
      "title": "should contain a ResourcePool record in the store",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should contain a
      "duration": 0,
      "err": {}
    },
    {
      "title": "should report total collections and utilizations",
      "fullTitle": "promise register OpenStack into resource pool query-capacity should report total
      "duration": 18,
      "err": {}
    },
    {
      "title": "should contain newly added capacity pool",
      "fullTitle": "promise register OpenStack into resource pool query-capacity should contain newly
      "duration": 8,
      "err": {}
    },
    {
      "title": "should create a new server in target provider without error",
      "fullTitle": "promise allocation without reservation create-instance should create a new server
      "duration": 1768,
      "err": {}
    },
    {
      "title": "should update promise.allocations with a new entry",
      "fullTitle": "promise allocation without reservation create-instance should update promise.allo
      "duration": 2,
      "err": {}
    },
    {
      "title": "should contain a new ResourceAllocation record in the store",
      "fullTitle": "promise allocation without reservation create-instance should contain a new Resou
      "duration": 0,
      "err": {}
    },
    {
      "title": "should reference the created server ID from the provider",
      "fullTitle": "promise allocation without reservation create-instance should reference the creat
      "duration": 1,
      "err": {}
    },
    {
      "title": "should have low priority state",
      "fullTitle": "promise allocation without reservation create-instance should have low priority s
      "duration": 0,
      "err": {}
    },
```

```
    {
      "title": "should create reservation record (no start/end) without error",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 41,
      "err": {}
    },
    {
      "title": "should update promise.reservations with a new entry",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 7,
      "err": {}
    },
    {
      "title": "should contain a new ResourceReservation record in the store",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create a new server in target provider (with reservation) without error",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should cre
      "duration": 1617,
      "err": {}
    },
    {
      "title": "should contain a new ResourceAllocation record in the store",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should con
      "duration": 1,
      "err": {}
    },
    {
      "title": "should be referenced in the reservation record",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should be
      "duration": 7,
      "err": {}
    },
    {
      "title": "should have high priority state",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should hav
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create reservation record (for future) without error",
      "fullTitle": "promise reservation for future use create-reservation should create reservation r
      "duration": 75,
      "err": {}
    },
    {
      "title": "should update promise.reservations with a new entry",
      "fullTitle": "promise reservation for future use create-reservation should update promise.reser
      "duration": 17,
      "err": {}
    },
    {
      "title": "should contain a new ResourceReservation record in the store",
      "fullTitle": "promise reservation for future use create-reservation should contain a new Resour
      "duration": 0,
```

```
      "err": {}
    },
    {
      "title": "should contain newly created future reservation",
      "fullTitle": "promise reservation for future use query-reservation should contain newly created
      "duration": 61,
      "err": {}
    },
    {
      "title": "should modify existing reservation without error",
      "fullTitle": "promise reservation for future use update-reservation should modify existing rese
      "duration": 65,
      "err": {}
    },
    {
      "title": "should modify existing reservation without error",
      "fullTitle": "promise reservation for future use cancel-reservation should modify existing rese
      "duration": 17,
      "err": {}
    },
    {
      "title": "should no longer contain record of the deleted reservation",
      "fullTitle": "promise reservation for future use cancel-reservation should no longer contain re
      "duration": 0,
      "err": {}
    },
    {
      "title": "should decrease available capacity from a provider in the future",
      "fullTitle": "promise capacity planning decrease-capacity should decrease available capacity fr
      "duration": 15,
      "err": {}
    },
    {
      "title": "should increase available capacity from a provider in the future",
      "fullTitle": "promise capacity planning increase-capacity should increase available capacity fr
      "duration": 11,
      "err": {}
    },
    {
      "title": "should report available collections and utilizations",
      "fullTitle": "promise capacity planning query-capacity should report available collections and
      "duration": 56,
      "err": {}
    },
    {
      "title": "should fail to create immediate reservation record with proper error",
      "fullTitle": "promise reservation with conflict create-reservation should fail to create immedi
      "duration": 60,
      "err": {}
    },
    {
      "title": "should fail to create future reservation record with proper error",
      "fullTitle": "promise reservation with conflict create-reservation should fail to create future
      "duration": 38,
      "err": {}
    },
    {
      "title": "should successfully destroy all allocations",
```

```
      "fullTitle": "promise cleanup test allocations destroy-instance should successfully destroy all
      "duration": 361,
      "err": {}
    }
  ],
  "pending": [],
  "failures": [],
  "passes": [
    {
      "title": "should add a new OpenStack provider without error",
      "fullTitle": "promise register OpenStack into resource pool add-provider should add a new OpenS
      "duration": 1217,
      "err": {}
    },
    {
      "title": "should update promise.providers with a new entry",
      "fullTitle": "promise register OpenStack into resource pool add-provider should update promise.
      "duration": 10,
      "err": {}
    },
    {
      "title": "should contain a new ResourceProvider record in the store",
      "fullTitle": "promise register OpenStack into resource pool add-provider should contain a new R
      "duration": 0,
      "err": {}
    },
    {
      "title": "should add more capacity to the reservation service without error",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should add more c
      "duration": 25,
      "err": {}
    },
    {
      "title": "should update promise.pools with a new entry",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should update pro
      "duration": 1,
      "err": {}
    },
    {
      "title": "should contain a ResourcePool record in the store",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should contain a
      "duration": 0,
      "err": {}
    },
    {
      "title": "should report total collections and utilizations",
      "fullTitle": "promise register OpenStack into resource pool query-capacity should report total
      "duration": 18,
      "err": {}
    },
    {
      "title": "should contain newly added capacity pool",
      "fullTitle": "promise register OpenStack into resource pool query-capacity should contain newly
      "duration": 8,
      "err": {}
    },
    {
      "title": "should create a new server in target provider without error",
```

```
      "fullTitle": "promise allocation without reservation create-instance should create a new server
      "duration": 1768,
      "err": {}
    },
    {
      "title": "should update promise.allocations with a new entry",
      "fullTitle": "promise allocation without reservation create-instance should update promise.allo
      "duration": 2,
      "err": {}
    },
    {
      "title": "should contain a new ResourceAllocation record in the store",
      "fullTitle": "promise allocation without reservation create-instance should contain a new Resou
      "duration": 0,
      "err": {}
    },
    {
      "title": "should reference the created server ID from the provider",
      "fullTitle": "promise allocation without reservation create-instance should reference the creat
      "duration": 1,
      "err": {}
    },
    {
      "title": "should have low priority state",
      "fullTitle": "promise allocation without reservation create-instance should have low priority s
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create reservation record (no start/end) without error",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 41,
      "err": {}
    },
    {
      "title": "should update promise.reservations with a new entry",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 7,
      "err": {}
    },
    {
      "title": "should contain a new ResourceReservation record in the store",
      "fullTitle": "promise allocation using reservation for immediate use create-reservation should
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create a new server in target provider (with reservation) without error",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should cre
      "duration": 1617,
      "err": {}
    },
    {
      "title": "should contain a new ResourceAllocation record in the store",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should con
      "duration": 1,
      "err": {}
    },
```

```
    {
      "title": "should be referenced in the reservation record",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should be
      "duration": 7,
      "err": {}
    },
    {
      "title": "should have high priority state",
      "fullTitle": "promise allocation using reservation for immediate use create-instance should hav
      "duration": 0,
      "err": {}
    },
    {
      "title": "should create reservation record (for future) without error",
      "fullTitle": "promise reservation for future use create-reservation should create reservation r
      "duration": 75,
      "err": {}
    },
    {
      "title": "should update promise.reservations with a new entry",
      "fullTitle": "promise reservation for future use create-reservation should update promise.reser
      "duration": 17,
      "err": {}
    },
    {
      "title": "should contain a new ResourceReservation record in the store",
      "fullTitle": "promise reservation for future use create-reservation should contain a new Resour
      "duration": 0,
      "err": {}
    },
    {
      "title": "should contain newly created future reservation",
      "fullTitle": "promise reservation for future use query-reservation should contain newly created
      "duration": 61,
      "err": {}
    },
    {
      "title": "should modify existing reservation without error",
      "fullTitle": "promise reservation for future use update-reservation should modify existing rese
      "duration": 65,
      "err": {}
    },
    {
      "title": "should modify existing reservation without error",
      "fullTitle": "promise reservation for future use cancel-reservation should modify existing rese
      "duration": 17,
      "err": {}
    },
    {
      "title": "should no longer contain record of the deleted reservation",
      "fullTitle": "promise reservation for future use cancel-reservation should no longer contain re
      "duration": 0,
      "err": {}
    },
    {
      "title": "should decrease available capacity from a provider in the future",
      "fullTitle": "promise capacity planning decrease-capacity should decrease available capacity fr
      "duration": 15,
```

```
      "err": {}
    },
    {
      "title": "should increase available capacity from a provider in the future",
      "fullTitle": "promise capacity planning increase-capacity should increase available capacity fr
      "duration": 11,
      "err": {}
    },
    {
      "title": "should report available collections and utilizations",
      "fullTitle": "promise capacity planning query-capacity should report available collections and
      "duration": 56,
      "err": {}
    },
    {
      "title": "should fail to create immediate reservation record with proper error",
      "fullTitle": "promise reservation with conflict create-reservation should fail to create immedi
      "duration": 60,
      "err": {}
    },
    {
      "title": "should fail to create future reservation record with proper error",
      "fullTitle": "promise reservation with conflict create-reservation should fail to create future
      "duration": 38,
      "err": {}
    },
    {
      "title": "should successfully destroy all allocations",
      "fullTitle": "promise cleanup test allocations destroy-instance should successfully destroy all
      "duration": 361,
      "err": {}
    }
  ]
}
Promise- INFO -
****************************************
          Promise test report

****************************************
 Suites:    23
 Tests:     33
 Passes:    33
 Pending:   0
 Failures:  0
 Start:     2016-02-21T09:56:46.846Z
 End:       2016-02-21T09:56:51.847Z
 Duration:  6.301
****************************************
```

3.25 Detailed test results for apex-os-odl_l2-nofeature-ha

3.26 VIM

3.26.1 vping_ssh

```
FUNCTEST.info: Running vPing-SSH test...
vPing_ssh- INFO - Creating image 'functest-vping' from '/home/opnfv/functest/data/cirros-0.3.4-x86_64
vPing_ssh- INFO - Creating neutron network vping-net...
vPing_ssh- INFO - Creating security group  'vPing-sg'...
vPing_ssh- INFO - Using existing Flavor 'm1.small'...
vPing_ssh- INFO - vPing Start Time:'2016-02-23 07:43:00'
vPing_ssh- INFO - Creating instance 'opnfv-vping-1'...
   name=opnfv-vping-1
   flavor=<Flavor: m1.small>
   image=a0698b8a-e881-4b84-b540-a0324d671c5a
   network=df3509f4-ef3d-4264-9293-9e0688a5c38e
vPing_ssh- INFO - Instance 'opnfv-vping-1' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-1' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating instance 'opnfv-vping-2'...
   name=opnfv-vping-2
   flavor=<Flavor: m1.small>
   image=a0698b8a-e881-4b84-b540-a0324d671c5a
   network=df3509f4-ef3d-4264-9293-9e0688a5c38e
vPing_ssh- INFO - Instance 'opnfv-vping-2' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-2' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating floating IP for VM 'opnfv-vping-2'...
vPing_ssh- INFO - Floating IP created: '172.30.9.201'
vPing_ssh- INFO - Associating floating ip: '172.30.9.201' to VM 'opnfv-vping-2'
vPing_ssh- INFO - Trying to establish SSH connection to 172.30.9.201...
vPing_ssh- INFO - Waiting for ping...
vPing_ssh- INFO - vPing detected!
vPing_ssh- INFO - vPing duration:'82.0' s.
vPing_ssh- INFO - Cleaning up...
vPing_ssh- INFO - vPing OK
```

3.26.2 vping_userdata

```
FUNCTEST.info: Running vPing-userdata test...
vPing_userdata- INFO - Creating image 'functest-vping' from '/home/opnfv/functest/data/cirros-0.3.4-x
vPing_userdata- INFO - Creating neutron network vping-net...
vPing_userdata- INFO - Creating security group  'vPing-sg'...
vPing_userdata- INFO - Flavor found 'm1.small'
vPing_userdata- INFO - vPing Start Time:'2016-02-23 07:44:41'
vPing_userdata- INFO - Creating instance 'opnfv-vping-1'...
   name=opnfv-vping-1
   flavor=<Flavor: m1.small>
   image=78cd8dbf-54fb-43ce-9f19-7801130b5a99
   network=a030c4ca-00ea-4913-bbec-505eaca9f5ff
vPing_userdata- INFO - Instance 'opnfv-vping-1' is ACTIVE.
vPing_userdata- INFO - Creating instance 'opnfv-vping-2'...
   name=opnfv-vping-2
   flavor=<Flavor: m1.small>
   image=78cd8dbf-54fb-43ce-9f19-7801130b5a99
```

```
   network=a030c4ca-00ea-4913-bbec-505eaca9f5ff
   userdata=
  #!/bin/sh

  while true; do
   ping -c 1 192.168.130.6 2>&1 >/dev/null
   RES=$?
   if [ "Z$RES" = "Z0" ] ; then
    echo 'vPing OK'
   break
   else
    echo 'vPing KO'
   fi
   sleep 1
  done

vPing_userdata- INFO - Instance 'opnfv-vping-2' is ACTIVE.
vPing_userdata- INFO - Waiting for ping...
vPing_userdata- INFO - vPing detected!
vPing_userdata- INFO - vPing duration:'72.7'
vPing_userdata- INFO - vPing OK
vPing_userdata- INFO - Cleaning up...
vPing_userdata- INFO - Deleting network 'vping-net'...
```

3.26.3 Tempest

```
FUNCTEST.info: Running Tempest tests...
run_tempest - INFO - Creating tenant and user for Tempest suite
INFO rally.verification.tempest.tempest [-] Starting: Creating configuration file for Tempest.
INFO rally.verification.tempest.tempest [-] Completed: Creating configuration file for Tempest.
run_tempest - INFO - Starting Tempest test suite: '--tests-file /home/opnfv/repos/functest/testcases/
Total results of verification:

+--------------------------------------+--------------------------------------+----------+-------+---
| UUID                                 | Deployment UUID                      | Set name | Tests | Fa
+--------------------------------------+--------------------------------------+----------+-------+---
| b470a125-b6d9-400e-872e-abe779ff1ab5 | 784b68a9-2eab-4e1e-abc7-a4f68d4d02fe |          | 70    | 8
+--------------------------------------+--------------------------------------+----------+-------+---

Tests:

+-------------------------------------------------------------------------------------------------------
| name
+-------------------------------------------------------------------------------------------------------
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_limit_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_c
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_c
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_c
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_c
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_c
```

```
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_
| tempest.api.compute.security_groups.test_security_groups.SecurityGroupsTestJSON.test_security_group
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_host_name_is_same_as_serv
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_created_server_vcp
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_server_details
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_server_with_admin_password
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_specify_keypair
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_with_existing_server_name
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_access_server_address
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_server_name
| tempest.api.identity.admin.v2.test_services.ServicesTestJSON.test_list_services
| tempest.api.identity.admin.v2.test_users.UsersTestJSON.test_create_user
| tempest.api.identity.admin.v3.test_credentials.CredentialsTestJSON.test_credentials_create_get_upda
| tempest.api.identity.admin.v3.test_domains.DefaultDomainTestJSON.test_default_domain_exists
| tempest.api.identity.admin.v3.test_domains.DomainsTestJSON.test_create_update_delete_domain
| tempest.api.identity.admin.v3.test_roles.RolesV3TestJSON.test_role_create_update_get_list
| tempest.api.identity.admin.v3.test_trusts.TrustsV3TestJSON.test_get_trusts_all
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.image.v1.test_images.ListImagesTest.test_index_no_params
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_delete_image
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_register_upload_get_image_file
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_update_image
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_floating_ip_specifying_a_fixed
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_list_show_update_delete_floati
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_port
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_subnets
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_subnet
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_list_update_show_delete_secur
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_show_delete_security_group_ru
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_list_security_groups
| tempest.api.network.test_security_groups.SecGroupTest.test_create_list_update_show_delete_security_
| tempest.api.network.test_security_groups.SecGroupTest.test_create_show_delete_security_group_rule
| tempest.api.network.test_security_groups.SecGroupTest.test_list_security_groups
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_list
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_metadata
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_software_config
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_create_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_crud_no_resources
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_list_responds
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_
| tempest.api.volume.test_volumes_actions.VolumesV2ActionsTest.test_attach_detach_volume_to_instance
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_list.VolumesV1ListTestJSON.test_volume_list
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPattern.test_volume_boot_pattern
```

```
+-----------------------------------------------------------------------------------------------------------
run_tempest - INFO - Results: {'timestart': '2016-02-2307:46:13.668289', 'duration': 695, 'tests': 70
run_tempest - INFO - Pushing results to DB: 'http://testresults.opnfv.org/testapi/results'.
run_tempest - INFO - Deleting tenant and user for Tempest suite)
```

3.26.4 Rally

```
FUNCTEST.info: Running Rally benchmark suite...
run_rally - INFO - Starting test scenario "authenticate" ...

Preparing input task
Task  7ac7e940-ea41-4f7d-9cca-facd241c0d42: started
Task 7ac7e940-ea41-4f7d-9cca-facd241c0d42: finished

test scenario Authenticate.validate_glance
+-----------------------------------------------------------------------------------------------------------
|                                          Response Times (sec)
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                          | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_glance    | 0.14  | 0.147  | 0.19   | 0.23   | 0.27  | 0.164 | 100.0%  | 10
| authenticate.validate_glance (2) | 0.027 | 0.085  | 0.091  | 0.097  | 0.103 | 0.081 | 100.0%  | 10
| total                           | 0.24  | 0.324  | 0.449  | 0.497  | 0.544 | 0.354 | 100.0%  | 10
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 0.991291999817
Full duration: 3.52114295959

test scenario Authenticate.keystone
+-----------------------------------------------------------------------------+
|                            Response Times (sec)                             |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
| action | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
| total  | 0.062 | 0.071  | 0.092  | 0.093  | 0.093 | 0.075 | 100.0%  | 10    |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.256750106812
Full duration: 3.22034788132

test scenario Authenticate.validate_heat
+-----------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| authenticate.validate_heat     | 0.079 | 0.083  | 0.086  | 0.089  | 0.091 | 0.083 | 100.0%  | 10
| authenticate.validate_heat (2) | 0.073 | 0.083  | 0.088  | 0.088  | 0.088 | 0.082 | 100.0%  | 10
| total                          | 0.219 | 0.235  | 0.273  | 0.281  | 0.289 | 0.247 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
Load duration: 0.758399963379
Full duration: 3.36240792274

test scenario Authenticate.validate_nova
+-----------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
```

```
| authenticate.validate_nova     | 0.08  | 0.095  | 0.164  | 0.194  | 0.225 | 0.116 | 100.0%  | 10
| authenticate.validate_nova (2) | 0.018 | 0.024  | 0.032  | 0.035  | 0.037 | 0.025 | 100.0%  | 10
| total                          | 0.172 | 0.198  | 0.261  | 0.297  | 0.333 | 0.221 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
Load duration: 0.659279108047
Full duration: 3.35535907745

test scenario Authenticate.validate_cinder
+-----------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_cinder     | 0.073 | 0.079  | 0.092  | 0.094  | 0.097 | 0.082 | 100.0%  | 10
| authenticate.validate_cinder (2) | 0.013 | 0.082  | 0.149  | 0.265  | 0.381 | 0.106 | 100.0%  | 10
| total                            | 0.152 | 0.241  | 0.344  | 0.464  | 0.585 | 0.272 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 0.793002128601
Full duration: 3.46288895607

test scenario Authenticate.validate_neutron
+-----------------------------------------------------------------------------------------------------
|                                         Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+---
| action                          | min   | median | 90%ile | 95%ile | max   | avg   | success | co
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+---
| authenticate.validate_neutron     | 0.082 | 0.095  | 0.115  | 0.137  | 0.159 | 0.1   | 100.0%  | 10
| authenticate.validate_neutron (2) | 0.018 | 0.089  | 0.103  | 0.104  | 0.105 | 0.072 | 100.0%  | 10
| total                             | 0.177 | 0.243  | 0.29   | 0.321  | 0.353 | 0.247 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+---
Load duration: 0.788791894913
Full duration: 3.39974403381

run_rally - INFO - Test scenario: "authenticate" OK.
run_rally - INFO - Starting test scenario "glance" ...

Preparing input task
Task  56b5e198-2c90-4440-a9bf-b098659c5783: started
Task 56b5e198-2c90-4440-a9bf-b098659c5783: finished

test scenario GlanceImages.list_images
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.list_images | 0.226 | 0.256  | 0.328  | 0.335  | 0.343 | 0.268 | 100.0%  | 10    |
| total              | 0.226 | 0.256  | 0.328  | 0.336  | 0.343 | 0.268 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.82669711113
Full duration: 4.65047502518

test scenario GlanceImages.create_image_and_boot_instances
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+---------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+-------+--------+--------+--------+--------+--------+---------+-------+
```

```
| glance.create_image | 3.917 | 4.559  | 4.731  | 4.819  | 4.906  | 4.469  | 100.0%  | 10    |
| nova.boot_servers   | 5.082 | 8.269  | 10.835 | 11.119 | 11.402 | 8.596  | 100.0%  | 10    |
| total               | 9.684 | 12.929 | 15.683 | 15.704 | 15.725 | 13.065 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 38.0555651188
Full duration: 65.7321281433

test scenario GlanceImages.create_and_list_image
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+---------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count  |
+---------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| glance.create_image | 3.631 | 4.223  | 4.681  | 4.717  | 4.753 | 4.26  | 100.0%  | 10     |
| glance.list_images  | 0.03  | 0.1    | 0.11   | 0.132  | 0.153 | 0.085 | 100.0%  | 10     |
| total               | 3.731 | 4.287  | 4.781  | 4.817  | 4.854 | 4.345 | 100.0%  | 10     |
+---------------------+-------+--------+--------+--------+-------+-------+---------+--------+
Load duration: 13.4343621731
Full duration: 20.5471830368

test scenario GlanceImages.create_and_delete_image
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+---------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count  |
+---------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| glance.create_image | 3.679 | 4.522  | 4.775  | 4.781  | 4.786 | 4.475 | 100.0%  | 10     |
| glance.delete_image | 0.68  | 1.416  | 1.924  | 1.945  | 1.966 | 1.355 | 100.0%  | 10     |
| total               | 4.359 | 5.895  | 6.659  | 6.682  | 6.706 | 5.83  | 100.0%  | 10     |
+---------------------+-------+--------+--------+--------+-------+-------+---------+--------+
Load duration: 17.0444431305
Full duration: 21.4709100723

run_rally - INFO - Test scenario: "glance" OK.
run_rally - INFO - Starting test scenario "cinder" ...

Preparing input task
Task  30bb498c-6dda-4d30-bf2d-cf3979a83615: started
Task 30bb498c-6dda-4d30-bf2d-cf3979a83615: finished

test scenario CinderVolumes.create_and_attach_volume
+-----------------------------------------------------------------------------------------------+
|                                     Response Times (sec)                                      |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server     | 3.361  | 5.067  | 5.688  | 5.748  | 5.808  | 4.948  | 100.0%  | 10    |
| cinder.create_volume | 2.56   | 2.856  | 3.04   | 3.098  | 3.156  | 2.872  | 100.0%  | 10    |
| nova.attach_volume   | 3.018  | 3.376  | 4.145  | 5.024  | 5.903  | 3.65   | 100.0%  | 10    |
| nova.detach_volume   | 2.643  | 2.895  | 3.093  | 3.156  | 3.219  | 2.912  | 100.0%  | 10    |
| cinder.delete_volume | 0.517  | 2.429  | 2.538  | 2.676  | 2.814  | 2.268  | 100.0%  | 10    |
| nova.delete_server   | 2.329  | 2.456  | 2.645  | 2.656  | 2.667  | 2.468  | 100.0%  | 10    |
| total                | 17.686 | 19.384 | 20.284 | 20.286 | 20.288 | 19.117 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 56.4022140503
Full duration: 68.9135789871

test scenario CinderVolumes.create_and_list_volume
```

```
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 5.146 | 5.432  | 5.632  | 5.652  | 5.673 | 5.415 | 100.0%  | 10    |
| cinder.list_volumes  | 0.034 | 0.115  | 0.135  | 0.135  | 0.135 | 0.096 | 100.0%  | 10    |
| total                | 5.18  | 5.507  | 5.747  | 5.772  | 5.797 | 5.511 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 16.3556389809
Full duration: 27.6093170643

test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 2.773 | 2.959  | 3.11   | 3.137  | 3.165 | 2.955 | 100.0%  | 10    |
| cinder.list_volumes  | 0.028 | 0.127  | 0.202  | 0.219  | 0.237 | 0.111 | 100.0%  | 10    |
| total                | 2.812 | 3.033  | 3.293  | 3.298  | 3.302 | 3.066 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 9.06200098991
Full duration: 19.9587731361

test scenario CinderVolumes.create_and_list_snapshots
+-------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_snapshot | 2.482 | 4.642  | 4.889  | 4.91   | 4.931 | 4.296 | 100.0%  | 10    |
| cinder.list_snapshots  | 0.013 | 0.096  | 0.107  | 0.134  | 0.162 | 0.079 | 100.0%  | 10    |
| total                  | 2.583 | 4.772  | 4.95   | 4.967  | 4.984 | 4.375 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 12.2352650166
Full duration: 44.3921279907

test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 2.707 | 2.813  | 2.903  | 2.956  | 3.009 | 2.825 | 100.0%  | 10    |
| cinder.delete_volume | 2.407 | 2.548  | 2.613  | 2.626  | 2.638 | 2.55  | 100.0%  | 10    |
| total                | 5.191 | 5.377  | 5.507  | 5.532  | 5.558 | 5.375 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 16.1588079929
Full duration: 22.6795511246

test scenario CinderVolumes.create_and_delete_volume
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 5.089 | 5.255  | 5.753  | 6.601  | 7.449 | 5.494 | 100.0%  | 10    |
```

| cinder.delete_volume | 2.343 | 2.456 | 2.615 | 2.688 | 2.761 | 2.496 | 100.0% | 10 |
| total | 7.471 | 7.795 | 8.253 | 9.073 | 9.893 | 7.991 | 100.0% | 10 |

Load duration: 23.303401947
Full duration: 30.3196620941

test scenario CinderVolumes.create_and_delete_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	2.724	2.844	2.939	2.963	2.986	2.856	100.0%	10
cinder.delete_volume	2.353	2.519	2.659	2.718	2.778	2.525	100.0%	10
total	5.147	5.393	5.45	5.541	5.633	5.381	100.0%	10

Load duration: 16.1724491119
Full duration: 22.9236290455

test scenario CinderVolumes.create_and_upload_volume_to_image

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	cou
cinder.create_volume	2.726	2.886	3.014	3.047	3.08	2.888	100.0%	10
cinder.upload_volume_to_image	28.041	44.016	44.644	44.698	44.751	40.726	100.0%	10
cinder.delete_volume	2.34	2.458	2.551	2.622	2.692	2.452	100.0%	10
nova.delete_image	0.846	1.837	2.379	2.418	2.456	1.73	100.0%	10
total	34.983	51.394	51.872	51.877	51.881	47.796	100.0%	10

Load duration: 136.222712994
Full duration: 144.124747038

test scenario CinderVolumes.create_and_delete_snapshot

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_snapshot	2.51	4.611	4.709	4.787	4.865	4.288	100.0%	10
cinder.delete_snapshot	2.233	4.443	4.619	4.627	4.634	3.882	100.0%	10
total	4.981	9.079	9.333	9.362	9.39	8.17	100.0%	10

Load duration: 23.2197830677
Full duration: 42.1724328995

test scenario CinderVolumes.create_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	2.725	2.887	3.064	3.106	3.149	2.895	100.0%	10
total	2.725	2.887	3.064	3.106	3.149	2.895	100.0%	10

Load duration: 8.62664198875
Full duration: 18.587531805

```
test scenario CinderVolumes.create_volume
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 2.696 | 2.857  | 2.932  | 2.943  | 2.954 | 2.838 | 100.0%  | 10    |
| total                | 2.696 | 2.857  | 2.932  | 2.943  | 2.954 | 2.838 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 8.48678183556
Full duration: 20.6692960262

test scenario CinderVolumes.list_volumes
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.list_volumes | 0.202 | 0.275  | 0.381  | 0.408  | 0.435 | 0.283 | 100.0%  | 10    |
| total               | 0.202 | 0.275  | 0.381  | 0.408  | 0.435 | 0.284 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.910716056824
Full duration: 47.5472760201

test scenario CinderVolumes.create_nested_snapshots_and_attach_volume
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+-----------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+-----------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume   | 2.74  | 2.894  | 3.015  | 3.036  | 3.056  | 2.893  | 100.0%  | 10    |
| cinder.create_snapshot | 2.407 | 2.549  | 4.689  | 4.745  | 4.802  | 3.163  | 100.0%  | 10    |
| nova.attach_volume     | 2.856 | 3.305  | 5.42   | 5.647  | 5.874  | 3.866  | 100.0%  | 10    |
| nova.detach_volume     | 2.746 | 3.092  | 3.492  | 4.368  | 5.245  | 3.261  | 100.0%  | 10    |
| cinder.delete_snapshot | 2.347 | 2.508  | 4.471  | 4.534  | 4.596  | 2.868  | 100.0%  | 10    |
| cinder.delete_volume   | 2.418 | 2.546  | 2.956  | 3.852  | 4.748  | 2.758  | 100.0%  | 10    |
| total                  | 16.42 | 18.913 | 21.766 | 22.976 | 24.185 | 19.181 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 55.4410011768
Full duration: 103.909024954

test scenario CinderVolumes.create_from_volume_and_delete_volume
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 2.821 | 4.176  | 7.514  | 7.588  | 7.662 | 4.605 | 100.0%  | 10    |
| cinder.delete_volume | 2.451 | 4.688  | 4.929  | 4.955  | 4.981 | 4.087 | 100.0%  | 10    |
| total                | 5.373 | 8.93   | 12.095 | 12.233 | 12.37 | 8.692 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 24.4642841816
Full duration: 44.0787379742

test scenario CinderVolumes.create_and_extend_volume
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	2.58	2.854	3.055	3.19	3.325	2.89	100.0%	10
cinder.extend_volume	2.55	2.699	2.795	2.849	2.903	2.705	100.0%	10
cinder.delete_volume	2.458	2.516	2.674	2.786	2.898	2.573	100.0%	10
total	7.82	8.198	8.396	8.442	8.488	8.169	100.0%	10

Load duration: 24.4196460247
Full duration: 31.8590240479

test scenario CinderVolumes.create_snapshot_and_attach_volume

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	2.748	2.952	3.137	3.199	3.261	2.978	100.0%	10
cinder.create_snapshot	2.472	2.569	4.675	4.696	4.717	3.178	100.0%	10
nova.attach_volume	3.051	3.462	5.38	5.41	5.439	3.956	100.0%	10
nova.detach_volume	2.802	3.058	3.281	3.413	3.546	3.096	100.0%	10
cinder.delete_snapshot	2.255	2.431	4.385	4.44	4.496	2.984	100.0%	10
cinder.delete_volume	2.341	2.485	2.773	3.721	4.67	2.693	100.0%	10
total	16.553	19.163	21.677	21.681	21.686	19.224	100.0%	10

Load duration: 55.8534150124
Full duration: 107.20220089

test scenario CinderVolumes.create_snapshot_and_attach_volume

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	2.655	2.924	3.771	3.779	3.786	3.159	100.0%	10
cinder.create_snapshot	2.411	2.565	4.602	4.659	4.716	3.157	100.0%	10
nova.attach_volume	3.053	3.236	5.158	5.352	5.546	3.726	100.0%	10
nova.detach_volume	2.752	2.964	3.54	4.371	5.201	3.196	100.0%	10
cinder.delete_snapshot	2.147	2.424	4.491	4.497	4.503	2.802	100.0%	10
cinder.delete_volume	2.484	2.574	2.677	2.726	2.775	2.582	100.0%	10
total	17.334	19.301	20.332	21.118	21.904	19.2	100.0%	10

Load duration: 56.6079628468
Full duration: 108.998883963

run_rally - INFO - Test scenario: "cinder" OK.
run_rally - INFO - Starting test scenario "heat" ...

Preparing input task
Task aae5a92c-66ff-4c8c-b4a3-0957baac4610: started
Task aae5a92c-66ff-4c8c-b4a3-0957baac4610: finished

test scenario HeatStacks.create_suspend_resume_delete_stack

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	2.922	3.271	3.354	3.38	3.406	3.229	100.0%	10

```
| heat.suspend_stack | 1.21  | 1.305  | 1.397  | 1.4    | 1.403 | 1.31  | 100.0%  | 10    |
| heat.resume_stack  | 1.183 | 1.318  | 1.348  | 1.352  | 1.356 | 1.301 | 100.0%  | 10    |
| heat.delete_stack  | 1.161 | 1.306  | 2.368  | 2.383  | 2.398 | 1.68  | 100.0%  | 10    |
| total              | 6.612 | 7.196  | 8.411  | 8.476  | 8.541 | 7.519 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 21.979665041
Full duration: 25.784487009

test scenario HeatStacks.create_and_delete_stack
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 2.8   | 2.896  | 3.053  | 3.136  | 3.219 | 2.929 | 100.0%  | 10    |
| heat.delete_stack | 1.167 | 1.185  | 1.272  | 1.284  | 1.296 | 1.202 | 100.0%  | 10    |
| total             | 3.967 | 4.11   | 4.26   | 4.334  | 4.409 | 4.13  | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 12.3352811337
Full duration: 16.1414811611

test scenario HeatStacks.create_and_delete_stack
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+-------------------+--------+--------+--------+--------+--------+--------+---------+---+
| action            | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------+--------+--------+--------+--------+--------+--------+---------+---+
| heat.create_stack | 13.463 | 15.842 | 17.472 | 17.519 | 17.565 | 15.768 | 100.0%  | 10    |
| heat.delete_stack | 8.575  | 9.635  | 10.691 | 10.703 | 10.714 | 9.537  | 100.0%  | 10    |
| total             | 22.054 | 25.534 | 27.126 | 27.181 | 27.236 | 25.305 | 100.0%  | 10    |
+-------------------+--------+--------+--------+--------+--------+--------+---------+---+
Load duration: 74.6174178123
Full duration: 78.7209010124

test scenario HeatStacks.create_and_delete_stack
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+-------------------+--------+--------+--------+--------+--------+--------+---------+---+
| action            | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------+--------+--------+--------+--------+--------+--------+---------+---+
| heat.create_stack | 9.848  | 12.353 | 14.548 | 14.574 | 14.6   | 12.757 | 100.0%  | 10    |
| heat.delete_stack | 6.448  | 7.541  | 8.549  | 8.581  | 8.612  | 7.65   | 100.0%  | 10    |
| total             | 17.369 | 19.894 | 23.098 | 23.155 | 23.212 | 20.407 | 100.0%  | 10    |
+-------------------+--------+--------+--------+--------+--------+--------+---------+---+
Load duration: 61.6486670971
Full duration: 65.8705642223

test scenario HeatStacks.list_stacks_and_resources
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+--------------------------------+-------+--------+--------+--------+-------+-------+---
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+--------------------------------+-------+--------+--------+--------+-------+-------+---
| heat.list_stacks               | 0.198 | 0.23   | 0.268  | 0.302  | 0.337 | 0.238 | 100.0%  | 10
| heat.list_resources_of_0_stacks | 0.0   | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 100.0%  | 10
| total                          | 0.198 | 0.231  | 0.268  | 0.302  | 0.337 | 0.238 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---
Load duration: 0.700455904007
```

```
Full duration: 4.55407810211

test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action           | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| heat.create_stack | 3.01  | 3.109  | 3.377  | 3.561  | 3.744  | 3.173 | 100.0%  | 10    |
| heat.update_stack | 3.232 | 3.408  | 4.335  | 4.354  | 4.374  | 3.612 | 100.0%  | 10    |
| heat.delete_stack | 1.146 | 1.207  | 2.478  | 2.887  | 3.296  | 1.721 | 100.0%  | 10    |
| total            | 7.423 | 7.67   | 9.921  | 10.311 | 10.702 | 8.505 | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 24.7915220261
Full duration: 29.4085850716

test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action           | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 2.881 | 3.066  | 3.233  | 3.377  | 3.52  | 3.09  | 100.0%  | 10    |
| heat.update_stack | 3.212 | 3.254  | 3.48   | 3.507  | 3.535 | 3.303 | 100.0%  | 10    |
| heat.delete_stack | 1.154 | 1.167  | 1.188  | 1.194  | 1.201 | 1.17  | 100.0%  | 10    |
| total            | 7.263 | 7.498  | 7.904  | 7.912  | 7.921 | 7.563 | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 22.4006979465
Full duration: 26.8767819405

test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action           | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 3.972  | 4.032  | 6.634  | 6.716  | 6.798  | 4.942  | 100.0%  | 10    |
| heat.update_stack | 5.327  | 5.354  | 5.482  | 5.548  | 5.614  | 5.388  | 100.0%  | 10    |
| heat.delete_stack | 2.19   | 2.207  | 2.213  | 2.214  | 2.215  | 2.203  | 100.0%  | 10    |
| total            | 11.521 | 11.583 | 14.284 | 14.325 | 14.367 | 12.534 | 100.0%  | 10    |
+------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 37.184043169
Full duration: 41.6411378384

test scenario HeatStacks.create_update_delete_stack
+-----------------------------------------------------------------------+
|                         Response Times (sec)                          |
+--------+-----+--------+--------+--------+-----+-----+---------+-------+
| action | min | median | 90%ile | 95%ile | max | avg | success | count |
+--------+-----+--------+--------+--------+-----+-----+---------+-------+
| total  | n/a | n/a    | n/a    | n/a    | n/a | n/a | 0.0%    | 8     |
+--------+-----+--------+--------+--------+-----+-----+---------+-------+
Load duration: 8.45521402359
Full duration: 17.6498777866

test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
```

```
+------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action           | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 3.971  | 5.16   | 5.356  | 5.407  | 5.459  | 4.973  | 100.0%  | 10    |
| heat.update_stack | 5.318  | 5.359  | 5.382  | 5.394  | 5.405  | 5.358  | 100.0%  | 10    |
| heat.delete_stack | 2.188  | 2.198  | 2.266  | 2.267  | 2.267  | 2.211  | 100.0%  | 10    |
| total            | 11.488 | 12.723 | 12.979 | 13.011 | 13.043 | 12.543 | 100.0%  | 10    |
+------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 37.0396420956
Full duration: 41.5464501381

test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action           | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 2.829 | 3.044  | 3.212  | 3.247  | 3.283 | 3.029 | 100.0%  | 10    |
| heat.update_stack | 3.215 | 3.228  | 3.295  | 3.317  | 3.339 | 3.248 | 100.0%  | 10    |
| heat.delete_stack | 1.144 | 1.154  | 1.183  | 1.191  | 1.198 | 1.161 | 100.0%  | 10    |
| total            | 7.202 | 7.41   | 7.611  | 7.692  | 7.774 | 7.438 | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 22.2332119942
Full duration: 26.9551222324

test scenario HeatStacks.create_and_list_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action           | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 2.901 | 3.019  | 3.106  | 3.131  | 3.157 | 3.024 | 100.0%  | 10    |
| heat.list_stacks  | 0.026 | 0.033  | 0.038  | 0.039  | 0.039 | 0.032 | 100.0%  | 10    |
| total            | 2.94  | 3.049  | 3.139  | 3.163  | 3.188 | 3.056 | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 9.14466500282
Full duration: 16.6371269226

test scenario HeatStacks.create_check_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action           | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 2.988 | 3.093  | 3.17   | 3.178  | 3.187 | 3.087 | 100.0%  | 10    |
| heat.check_stack  | 1.182 | 1.191  | 1.218  | 1.227  | 1.235 | 1.197 | 100.0%  | 10    |
| heat.delete_stack | 1.135 | 1.146  | 1.159  | 1.163  | 1.167 | 1.148 | 100.0%  | 10    |
| total            | 5.315 | 5.451  | 5.54   | 5.549  | 5.558 | 5.432 | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 16.1800320148
Full duration: 20.4218199253

run_rally - INFO - Test scenario: "heat" Failed.
run_rally - INFO - Starting test scenario "keystone" ...

Preparing input task
Task  a2566777-434b-4a10-8720-118485a7d427: started
Task a2566777-434b-4a10-8720-118485a7d427: finished
```

```
test scenario KeystoneBasic.create_tenant_with_users
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.129 | 0.152  | 0.179  | 0.185  | 0.19  | 0.153 | 100.0%  | 10    |
| keystone.create_users  | 1.041 | 1.142  | 1.45   | 1.48   | 1.509 | 1.211 | 100.0%  | 10    |
| total                  | 1.177 | 1.295  | 1.637  | 1.653  | 1.668 | 1.363 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.19324994087
Full duration: 15.3481221199

test scenario KeystoneBasic.create_add_and_list_user_roles
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_role | 0.126 | 0.137  | 0.15   | 0.155  | 0.16  | 0.138 | 100.0%  | 10    |
| keystone.add_role    | 0.116 | 0.123  | 0.145  | 0.158  | 0.171 | 0.128 | 100.0%  | 10    |
| keystone.list_roles  | 0.055 | 0.064  | 0.076  | 0.093  | 0.11  | 0.068 | 100.0%  | 10    |
| total                | 0.308 | 0.334  | 0.36   | 0.362  | 0.364 | 0.335 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.02259397507
Full duration: 7.21977186203

test scenario KeystoneBasic.add_and_remove_user_role
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_role | 0.127 | 0.155  | 0.187  | 0.19   | 0.192 | 0.159 | 100.0%  | 10    |
| keystone.add_role    | 0.117 | 0.131  | 0.161  | 0.175  | 0.188 | 0.137 | 100.0%  | 10    |
| keystone.remove_role | 0.089 | 0.104  | 0.137  | 0.161  | 0.184 | 0.113 | 100.0%  | 10    |
| total                | 0.352 | 0.4    | 0.454  | 0.471  | 0.487 | 0.408 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.2577559948
Full duration: 7.18419408798

test scenario KeystoneBasic.create_update_and_delete_tenant
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.131 | 0.147  | 0.168  | 0.175  | 0.181 | 0.15  | 100.0%  | 10    |
| keystone.update_tenant | 0.073 | 0.081  | 0.138  | 0.138  | 0.138 | 0.094 | 100.0%  | 10    |
| keystone.delete_tenant | 0.146 | 0.181  | 0.212  | 0.215  | 0.218 | 0.182 | 100.0%  | 10    |
| total                  | 0.356 | 0.436  | 0.488  | 0.501  | 0.514 | 0.426 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.28746080399
Full duration: 5.78163409233

test scenario KeystoneBasic.create_and_delete_service
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
```

```
+-------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                  | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_service | 0.136 | 0.149  | 0.185  | 0.201  | 0.217 | 0.158 | 100.0%  | 10    |
| keystone.delete_service | 0.079 | 0.081  | 0.094  | 0.105  | 0.116 | 0.086 | 100.0%  | 10    |
| total                   | 0.22  | 0.233  | 0.267  | 0.288  | 0.309 | 0.244 | 100.0%  | 10    |
+-------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.732470035553
Full duration: 5.50471711159

test scenario KeystoneBasic.create_tenant
+-------------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                          |
+-------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                  | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant  | 0.135 | 0.141  | 0.177  | 0.184  | 0.19  | 0.151 | 100.0%  | 10    |
| total                   | 0.135 | 0.141  | 0.177  | 0.184  | 0.191 | 0.152 | 100.0%  | 10    |
+-------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.47666311264
Full duration: 4.65166783333

test scenario KeystoneBasic.create_user
+-----------------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                          |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_user | 0.145 | 0.17   | 0.2    | 0.206  | 0.211 | 0.174 | 100.0%  | 10    |
| total                | 0.145 | 0.171  | 0.2    | 0.206  | 0.212 | 0.174 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.544457912445
Full duration: 4.52855014801

test scenario KeystoneBasic.create_and_list_tenants
+-------------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                          |
+-------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                  | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant  | 0.139 | 0.151  | 0.184  | 0.204  | 0.224 | 0.161 | 100.0%  | 10    |
| keystone.list_tenants   | 0.054 | 0.062  | 0.076  | 0.095  | 0.115 | 0.067 | 100.0%  | 10    |
| total                   | 0.201 | 0.213  | 0.277  | 0.286  | 0.295 | 0.227 | 100.0%  | 10    |
+-------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.684409141541
Full duration: 7.2159280777

test scenario KeystoneBasic.create_and_delete_role
+-----------------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                          |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_role | 0.131 | 0.156  | 0.212  | 0.213  | 0.215 | 0.167 | 100.0%  | 10    |
| keystone.delete_role | 0.132 | 0.159  | 0.222  | 0.244  | 0.266 | 0.174 | 100.0%  | 10    |
| total                | 0.276 | 0.349  | 0.375  | 0.409  | 0.444 | 0.341 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.00079798698
```

```
Full duration: 5.79344797134

test scenario KeystoneBasic.get_entities
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.14  | 0.148  | 0.211  | 0.214  | 0.216 | 0.161 | 100.0%  | 10    |
| keystone.create_user   | 0.083 | 0.09   | 0.105  | 0.122  | 0.138 | 0.094 | 100.0%  | 10    |
| keystone.create_role   | 0.065 | 0.081  | 0.12   | 0.126  | 0.131 | 0.087 | 100.0%  | 10    |
| keystone.get_tenant    | 0.054 | 0.064  | 0.115  | 0.117  | 0.119 | 0.078 | 100.0%  | 10    |
| keystone.get_user      | 0.055 | 0.062  | 0.081  | 0.104  | 0.127 | 0.069 | 100.0%  | 10    |
| keystone.get_role      | 0.055 | 0.062  | 0.096  | 0.109  | 0.121 | 0.071 | 100.0%  | 10    |
| keystone.service_list  | 0.053 | 0.06   | 0.069  | 0.072  | 0.074 | 0.061 | 100.0%  | 10    |
| keystone.get_service   | 0.054 | 0.059  | 0.068  | 0.087  | 0.105 | 0.063 | 100.0%  | 10    |
| total                  | 0.577 | 0.674  | 0.806  | 0.815  | 0.825 | 0.685 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.99226713181
Full duration: 11.5220220089

test scenario KeystoneBasic.create_and_list_users
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_user | 0.148 | 0.173  | 0.197  | 0.206  | 0.215 | 0.175 | 100.0%  | 10    |
| keystone.list_users  | 0.059 | 0.062  | 0.068  | 0.068  | 0.069 | 0.063 | 100.0%  | 10    |
| total                | 0.207 | 0.238  | 0.259  | 0.267  | 0.275 | 0.238 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.724813938141
Full duration: 4.96498990059

run_rally - INFO - Test scenario: "keystone" OK.
run_rally - INFO - Starting test scenario "neutron" ...

Preparing input task
Task  54896a60-668a-4109-89ce-b6be1526b03c: started
Task 54896a60-668a-4109-89ce-b6be1526b03c: finished

test scenario NeutronNetworks.create_and_delete_ports
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_port | 0.495 | 0.647  | 0.86   | 0.862  | 0.864 | 0.662 | 100.0%  | 10    |
| neutron.delete_port | 0.138 | 0.389  | 0.568  | 0.757  | 0.946 | 0.413 | 100.0%  | 10    |
| total                | 0.633 | 0.994  | 1.292  | 1.551  | 1.809 | 1.075 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.11711192131
Full duration: 33.0977571011

test scenario NeutronNetworks.create_and_list_routers
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+------------------------------+-------+--------+--------+--------+-------+-------+---------+
```

```
| action                          | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+-------
| neutron.create_subnet           | 0.499 | 0.61   | 0.652  | 0.678  | 0.704 | 0.602 | 100.0%  | 10
| neutron.create_router           | 0.146 | 0.344  | 0.458  | 0.463  | 0.467 | 0.349 | 100.0%  | 10
| neutron.add_interface_router    | 0.258 | 0.522  | 0.604  | 0.672  | 0.739 | 0.519 | 100.0%  | 10
| neutron.list_routers            | 0.026 | 0.282  | 0.457  | 0.501  | 0.545 | 0.272 | 100.0%  | 10
| total                           | 1.316 | 1.657  | 1.975  | 2.111  | 2.247 | 1.742 | 100.0%  | 10
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+-------
Load duration: 5.24421405792
Full duration: 37.3269040585

test scenario NeutronNetworks.create_and_delete_routers
+-----------------------------------------------------------------------------------------------------+
|                                        Response Times (sec)                                         |
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
| action                          | min   | median | 90%ile | 95%ile | max   | avg   | success | coun
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
| neutron.create_subnet           | 0.563 | 0.666  | 0.868  | 1.002  | 1.136 | 0.721 | 100.0%  | 10
| neutron.create_router           | 0.13  | 0.373  | 0.573  | 0.595  | 0.616 | 0.384 | 100.0%  | 10
| neutron.add_interface_router    | 0.274 | 0.505  | 0.574  | 0.605  | 0.637 | 0.471 | 100.0%  | 10
| neutron.remove_interface_router | 0.234 | 0.492  | 0.66   | 0.676  | 0.692 | 0.512 | 100.0%  | 10
| neutron.delete_router           | 0.117 | 0.329  | 0.731  | 0.744  | 0.756 | 0.341 | 100.0%  | 10
| total                           | 1.572 | 2.372  | 2.966  | 3.156  | 3.347 | 2.43  | 100.0%  | 10
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
Load duration: 7.02413988113
Full duration: 37.7696969509

test scenario NeutronNetworks.create_and_list_ports
+-----------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                  |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_port | 0.507 | 0.678  | 0.859  | 0.871  | 0.883 | 0.7   | 100.0%  | 10    |
| neutron.list_ports  | 0.131 | 0.305  | 0.497  | 0.512  | 0.526 | 0.325 | 100.0%  | 10    |
| total               | 0.792 | 1.051  | 1.18   | 1.187  | 1.193 | 1.025 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.00920605659
Full duration: 34.7632040977

test scenario NeutronNetworks.create_and_delete_subnets
+-----------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                  |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet | 0.505 | 0.561  | 0.698  | 0.722  | 0.747 | 0.592 | 100.0%  | 10    |
| neutron.delete_subnet | 0.141 | 0.477  | 0.75   | 0.785  | 0.82  | 0.516 | 100.0%  | 10    |
| total                | 0.759 | 1.066  | 1.367  | 1.429  | 1.491 | 1.108 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.30927801132
Full duration: 34.2646439075

test scenario NeutronNetworks.create_and_delete_networks
+-----------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                  |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
```

neutron.create_network	0.368	0.511	0.727	0.746	0.765	0.541	100.0%	10
neutron.delete_network	0.115	0.331	0.399	0.421	0.443	0.328	100.0%	10
total	0.519	0.876	1.09	1.149	1.209	0.87	100.0%	10

Load duration: 2.45112395287
Full duration: 17.3522310257

test scenario NeutronNetworks.create_and_list_networks

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_network	0.376	0.514	51.874	51.881	51.887	21.012	100.0%	10
neutron.list_networks	0.048	0.264	0.303	0.312	0.32	0.246	100.0%	10
total	0.644	0.78	52.142	52.175	52.208	21.258	100.0%	10

Load duration: 53.5037658215
Full duration: 70.7888660431

test scenario NeutronNetworks.create_and_update_routers

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.457	0.651	0.738	0.757	0.777	0.631	100.0%	10
neutron.create_router	0.144	0.334	0.45	0.477	0.504	0.349	100.0%	10
neutron.add_interface_router	0.286	0.546	0.676	0.685	0.695	0.555	100.0%	10
neutron.update_router	0.099	0.36	0.43	0.438	0.446	0.312	100.0%	10
total	1.176	1.895	2.106	2.13	2.155	1.848	100.0%	10

Load duration: 5.49681401253
Full duration: 37.4188079834

test scenario NeutronNetworks.create_and_update_networks

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_network	0.36	0.471	0.71	0.73	0.75	0.528	100.0%	10
neutron.update_network	0.123	0.355	0.42	0.426	0.431	0.336	100.0%	10
total	0.651	0.826	1.115	1.126	1.137	0.863	100.0%	10

Load duration: 2.45435285568
Full duration: 19.8497779369

test scenario NeutronNetworks.create_and_update_ports

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_port	0.522	0.606	0.691	0.706	0.721	0.612	100.0%	10
neutron.update_port	0.187	0.343	0.388	0.389	0.39	0.336	100.0%	10
total	0.756	0.965	1.027	1.044	1.061	0.948	100.0%	10

```
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.89304494858
Full duration: 35.0843141079

test scenario NeutronNetworks.create_and_list_subnets
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet | 0.435 | 0.561  | 0.697  | 0.716  | 0.735 | 0.584 | 100.0%  | 10    |
| neutron.list_subnets  | 0.259 | 0.312  | 0.4    | 0.427  | 0.455 | 0.331 | 100.0%  | 10    |
| total                | 0.785 | 0.877  | 1.111  | 1.12   | 1.129 | 0.915 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.61414718628
Full duration: 34.7340919971

test scenario NeutronNetworks.create_and_update_subnets
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet | 0.496 | 0.57   | 0.724  | 0.732  | 0.741 | 0.598 | 100.0%  | 10    |
| neutron.update_subnet | 0.356 | 0.433  | 0.584  | 0.599  | 0.615 | 0.47  | 100.0%  | 10    |
| total                | 0.889 | 1.045  | 1.22   | 1.231  | 1.242 | 1.068 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.22795987129
Full duration: 33.4197108746

run_rally - INFO - Test scenario: "neutron" OK.
run_rally - INFO - Starting test scenario "nova" ...

Preparing input task
Task  d97765c7-bb1a-461c-8a74-ade03e3cc05a: started
Task d97765c7-bb1a-461c-8a74-ade03e3cc05a: finished

test scenario NovaKeypair.create_and_delete_keypair
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.create_keypair | 0.404 | 0.52   | 1.075  | 1.084  | 1.093 | 0.647 | 100.0%  | 10    |
| nova.delete_keypair | 0.021 | 0.023  | 0.03   | 0.036  | 0.041 | 0.026 | 100.0%  | 10    |
| total                | 0.432 | 0.546  | 1.099  | 1.11   | 1.122 | 0.673 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.18305206299
Full duration: 18.7849049568

test scenario NovaServers.snapshot_server
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server       | 4.34   | 6.072  | 6.37   | 6.458  | 6.546  | 5.696  | 100.0%  | 10    |
| nova.create_image      | 26.042 | 43.405 | 45.329 | 45.435 | 45.541 | 40.593 | 100.0%  | 10    |
```

nova.delete_server	2.313	2.59	2.699	2.859	3.019	2.586	100.0%	10
nova.boot_server (2)	8.297	11.985	12.916	13.279	13.642	11.495	100.0%	10
nova.delete_server (2)	2.4	2.622	2.761	2.777	2.792	2.638	100.0%	10
nova.delete_image	1.443	2.236	2.891	3.258	3.626	2.279	100.0%	10
total	45.514	69.068	71.631	72.478	73.326	65.288	100.0%	10

Load duration: 189.056165934
Full duration: 227.369397879

test scenario NovaKeypair.boot_and_delete_server_with_keypair

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
nova.create_keypair	0.393	0.542	0.682	0.906	1.129	0.575	100.0%	10
nova.boot_server	5.333	6.169	7.894	7.9	7.907	6.354	100.0%	10
nova.delete_server	2.343	2.689	2.83	2.847	2.864	2.658	100.0%	10
nova.delete_keypair	0.02	0.025	0.032	0.034	0.035	0.026	100.0%	10
total	8.385	9.359	11.149	11.258	11.367	9.613	100.0%	10

Load duration: 29.3410420418
Full duration: 66.8611400127

test scenario NovaKeypair.create_and_list_keypairs

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
nova.create_keypair	0.4	0.494	0.589	0.867	1.146	0.544	100.0%	10
nova.list_keypairs	0.01	0.014	0.017	0.018	0.019	0.013	100.0%	10
total	0.41	0.508	0.603	0.884	1.165	0.558	100.0%	10

Load duration: 1.71813702583
Full duration: 20.3168940544

test scenario NovaServers.list_servers

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
nova.list_servers	0.64	0.917	1.069	1.117	1.165	0.895	100.0%	10
total	0.64	0.917	1.07	1.117	1.165	0.895	100.0%	10

Load duration: 2.65287709236
Full duration: 66.0498650074

test scenario NovaServers.resize_server

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
total	n/a	n/a	n/a	n/a	n/a	n/a	0.0%	6

Load duration: 815.834815979

```
Full duration: 839.469985008

test scenario NovaServers.boot_server_from_volume_and_delete
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+----------------------+--------+--------+--------+--------+-------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max   | avg    | success | count |
+----------------------+--------+--------+--------+--------+-------+--------+---------+-------+
| cinder.create_volume | 5.574  | 6.234  | 8.567  | 8.613  | 8.66  | 6.605  | 100.0%  | 10    |
| nova.boot_server     | 4.812  | 6.08   | 6.59   | 6.789  | 6.988 | 6.029  | 100.0%  | 10    |
| nova.delete_server   | 2.339  | 2.631  | 2.668  | 2.687  | 2.707 | 2.602  | 100.0%  | 10    |
| total                | 13.379 | 15.107 | 16.804 | 16.977 | 17.15 | 15.236 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+-------+--------+---------+-------+
Load duration: 45.449835062
Full duration: 88.6502871513

test scenario NovaServers.boot_and_migrate_server
+-------------------------------------------------------------------------+
|                          Response Times (sec)                           |
+--------+-----+--------+--------+--------+-----+-----+---------+-------+
| action | min | median | 90%ile | 95%ile | max | avg | success | count |
+--------+-----+--------+--------+--------+-----+-----+---------+-------+
| total  | n/a | n/a    | n/a    | n/a    | n/a | n/a | 0.0%    | 5     |
+--------+-----+--------+--------+--------+-----+-----+---------+-------+
Load duration: 824.306979895
Full duration: 846.910109043

test scenario NovaServers.boot_and_delete_server
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.boot_server   | 4.471 | 5.91   | 6.147  | 6.182  | 6.217 | 5.681 | 100.0%  | 10    |
| nova.delete_server | 2.378 | 2.586  | 2.707  | 2.746  | 2.785 | 2.579 | 100.0%  | 10    |
| total              | 7.061 | 8.47   | 8.67   | 8.754  | 8.839 | 8.26  | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 24.1857261658
Full duration: 60.5944719315

test scenario NovaServers.boot_and_rebuild_server
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+--------------------+--------+--------+--------+--------+--------+-------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg   | success | count |
+--------------------+--------+--------+--------+--------+--------+-------+---------+-------+
| nova.boot_server   | 4.333  | 5.804  | 6.335  | 6.417  | 6.498  | 5.565 | 100.0%  | 10    |
| nova.rebuild_server | 7.496  | 8.885  | 9.786  | 9.911  | 10.036 | 8.862 | 100.0%  | 10    |
| nova.delete_server | 2.289  | 2.614  | 2.738  | 2.741  | 2.744  | 2.563 | 100.0%  | 10    |
| total              | 14.866 | 17.495 | 18.471 | 18.474 | 18.476 | 16.99 | 100.0%  | 10    |
+--------------------+--------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 49.6322209835
Full duration: 85.0604588985

test scenario NovaSecGroup.create_and_list_secgroups
+-------------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+--------+--------+--------+--------+--------+--------+---------+---
```

action	min	median	90%ile	95%ile	max	avg	success	co
nova.create_10_security_groups	3.185	3.686	3.987	4.312	4.638	3.699	100.0%	10
nova.create_100_rules	18.567	26.267	26.534	26.699	26.865	24.773	100.0%	10
nova.list_security_groups	0.078	0.128	0.182	0.185	0.187	0.13	100.0%	10
total	22.414	29.93	30.82	30.98	31.14	28.603	100.0%	10

Load duration: 82.9733760357
Full duration: 116.589685917

test scenario NovaSecGroup.create_and_delete_secgroups

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	co
nova.create_10_security_groups	2.944	3.432	3.733	3.782	3.831	3.421	100.0%	10
nova.create_100_rules	16.376	21.41	22.17	22.462	22.754	20.611	100.0%	10
nova.delete_10_security_groups	0.917	1.088	1.275	1.303	1.332	1.093	100.0%	10
total	20.695	25.965	26.896	26.95	27.004	25.125	100.0%	10

Load duration: 72.9624798298
Full duration: 89.82077384

test scenario NovaServers.boot_and_bounce_server

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	4.125	4.583	6.312	6.519	6.725	5.156	100.0%	10
nova.reboot_server	2.419	2.493	2.871	3.889	4.906	2.736	100.0%	10
nova.soft_reboot_server	4.365	4.758	16.946	70.03	123.114	16.564	100.0%	10
nova.stop_server	5.106	14.074	15.736	15.772	15.808	13.538	100.0%	10
nova.start_server	1.398	1.653	1.789	2.027	2.264	1.691	100.0%	10
nova.rescue_server	6.466	6.855	15.712	16.593	17.474	8.701	100.0%	10
nova.unrescue_server	2.236	2.258	2.473	2.501	2.529	2.318	100.0%	10
nova.delete_server	2.302	2.339	2.497	2.533	2.568	2.392	100.0%	10
total	30.075	40.221	65.737	113.006	160.274	53.112	100.0%	10

Load duration: 160.307124138
Full duration: 195.760754108

test scenario NovaServers.boot_server

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	4.346	5.987	7.641	7.662	7.683	6.099	100.0%	10
total	4.346	5.987	7.641	7.662	7.684	6.099	100.0%	10

Load duration: 17.5887329578
Full duration: 42.9464931488

test scenario NovaSecGroup.boot_and_delete_server_with_secgroups

Response Times (sec)

```
+-----------------------------------+--------+--------+--------+--------+--------+--------+---------
| action                            | min    | median | 90%ile | 95%ile | max    | avg    | success
+-----------------------------------+--------+--------+--------+--------+--------+--------+---------
| nova.create_10_security_groups    | 2.723  | 3.726  | 4.171  | 4.216  | 4.261  | 3.683  | 100.0%
| nova.create_100_rules             | 18.505 | 26.114 | 26.91  | 26.926 | 26.943 | 24.62  | 100.0%
| nova.boot_server                  | 3.627  | 4.946  | 5.965  | 6.019  | 6.073  | 4.932  | 100.0%
| nova.get_attached_security_groups | 0.108  | 0.131  | 0.253  | 0.324  | 0.396  | 0.166  | 100.0%
| nova.delete_server                | 2.334  | 2.379  | 2.491  | 2.512  | 2.533  | 2.396  | 100.0%
| nova.delete_10_security_groups    | 0.973  | 1.409  | 1.639  | 1.832  | 2.026  | 1.399  | 100.0%
| total                             | 28.564 | 39.133 | 39.77  | 39.952 | 40.134 | 37.197 | 100.0%
+-----------------------------------+--------+--------+--------+--------+--------+--------+---------
Load duration: 107.169257164
Full duration: 144.236375093

test scenario NovaServers.pause_and_unpause_server
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server    | 4.178  | 6.265  | 6.892  | 7.037  | 7.182  | 6.066  | 100.0%  | 10    |
| nova.pause_server   | 2.287  | 2.526  | 2.683  | 2.743  | 2.804  | 2.548  | 100.0%  | 10    |
| nova.unpause_server | 2.436  | 2.503  | 2.571  | 2.571  | 2.572  | 2.507  | 100.0%  | 10    |
| nova.delete_server  | 2.294  | 2.606  | 2.995  | 3.945  | 4.895  | 2.755  | 100.0%  | 10    |
| total               | 11.529 | 13.896 | 14.859 | 15.712 | 16.564 | 13.876 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 40.5261249542
Full duration: 76.823114872

test scenario NovaServers.boot_server_from_volume
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume | 5.836  | 6.478  | 9.07   | 9.177  | 9.283  | 7.115  | 100.0%  | 10    |
| nova.boot_server     | 5.52   | 6.079  | 6.596  | 7.362  | 8.128  | 6.22   | 100.0%  | 10    |
| total                | 11.526 | 12.516 | 15.434 | 15.438 | 15.442 | 13.335 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 39.5622808933
Full duration: 73.6733939648

test scenario NovaServers.boot_and_list_server
+-------------------------------------------------------------------------------+
|                              Response Times (sec)                             |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.boot_server  | 4.694 | 6.002  | 6.133  | 6.249  | 6.365 | 5.738 | 100.0%  | 10    |
| nova.list_servers | 0.141 | 0.377  | 0.551  | 0.599  | 0.646 | 0.376 | 100.0%  | 10    |
| total             | 5.074 | 6.186  | 6.707  | 6.807  | 6.906 | 6.114 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 17.6599957943
Full duration: 64.1471071243

run_rally - INFO - Test scenario: "nova" Failed.
run_rally - INFO - Starting test scenario "quotas" ...
```

```
Preparing input task
Task  5eda6ea1-f001-4a0e-b6cd-7685d1803fd5: started
Task 5eda6ea1-f001-4a0e-b6cd-7685d1803fd5: finished

test scenario Quotas.cinder_update
+----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.692 | 0.867  | 1.007  | 1.025  | 1.043 | 0.869 | 100.0%  | 10    |
| total                | 0.692 | 0.867  | 1.007  | 1.025  | 1.043 | 0.869 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.54990196228
Full duration: 9.24233794212

test scenario Quotas.neutron_update
+----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.318 | 0.578  | 0.742  | 0.759  | 0.776 | 0.558 | 100.0%  | 10    |
| total                | 0.384 | 0.669  | 0.825  | 0.837  | 0.848 | 0.646 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.74635910988
Full duration: 8.15396595001

test scenario Quotas.cinder_update_and_delete
+----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.686 | 0.867  | 1.072  | 1.087  | 1.102 | 0.87  | 100.0%  | 10    |
| quotas.delete_quotas | 0.563 | 0.613  | 0.737  | 0.75   | 0.763 | 0.631 | 100.0%  | 10    |
| total                | 1.274 | 1.453  | 1.698  | 1.782  | 1.865 | 1.501 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.41035509109
Full duration: 11.0862941742

test scenario Quotas.nova_update_and_delete
+----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.48  | 0.753  | 1.082  | 1.107  | 1.133 | 0.811 | 100.0%  | 10    |
| quotas.delete_quotas | 0.025 | 0.066  | 0.091  | 0.114  | 0.138 | 0.066 | 100.0%  | 10    |
| total                | 0.505 | 0.812  | 1.14   | 1.173  | 1.206 | 0.878 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.45851612091
Full duration: 8.88383197784

test scenario Quotas.nova_update
+----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                       |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

```
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.516 | 0.798  | 1.182  | 1.19   | 1.198 | 0.829 | 100.0%  | 10    |
| total                | 0.516 | 0.798  | 1.182  | 1.19   | 1.198 | 0.829 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.38111186028
Full duration: 8.62598204613

run_rally - INFO - Test scenario: "quotas" OK.
run_rally - INFO - Starting test scenario "requests" ...

Preparing input task
Task  6afaa02c-ce64-423c-8af7-1f3436c08dbd: started
Task 6afaa02c-ce64-423c-8af7-1f3436c08dbd: finished

test scenario HttpRequests.check_random_request
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| requests.check_request | 5.022 | 5.033  | 5.491  | 5.493  | 5.495 | 5.191 | 100.0%  | 10    |
| total                  | 5.022 | 5.034  | 5.491  | 5.493  | 5.495 | 5.191 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 15.5716190338
Full duration: 18.0286371708

test scenario HttpRequests.check_request
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| requests.check_request | 5.021 | 5.026  | 5.03   | 5.032  | 5.033 | 5.026 | 100.0%  | 10    |
| total                  | 5.021 | 5.026  | 5.03   | 5.032  | 5.033 | 5.026 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 15.1103169918
Full duration: 17.6116039753

run_rally - INFO - Test scenario: "requests" OK.

                     Rally Summary Report
+===================+============+===============+===========+
| Module            | Duration   | nb. Test Run  | Success   |
+===================+============+===============+===========+
| authenticate      | 00:20      | 10            | 100.00%   |
+-------------------+------------+---------------+-----------+
| glance            | 01:52      | 7             | 100.00%   |
+-------------------+------------+---------------+-----------+
| cinder            | 15:05      | 50            | 100.00%   |
+-------------------+------------+---------------+-----------+
| heat              | 06:52      | 32            | 92.31%    |
+-------------------+------------+---------------+-----------+
| keystone          | 01:19      | 29            | 100.00%   |
+-------------------+------------+---------------+-----------+
| neutron           | 07:05      | 31            | 100.00%   |
+-------------------+------------+---------------+-----------+
| nova              | 52:04      | 52            | 88.89%    |
```

```
+------------------+------------+---------------+-----------+
| quotas           | 00:45      | 7             | 100.00%   |
+------------------+------------+---------------+-----------+
| requests         | 00:35      | 2             | 100.00%   |
+------------------+------------+---------------+-----------+
+==================+============+===============+===========+
| TOTAL:           | 01:26:02   | 220           | 97.91%    |
+==================+============+===============+===========+
```

3.27 SDN Controller

3.27.1 ODL

```
FUNCTEST.info: Running ODL test...
==============================================================================
Basic
==============================================================================
Basic.010 Restconf OK :: Test suite to verify Restconf is OK
==============================================================================
Get Controller Modules :: Get the controller modules via Restconf     | PASS |
------------------------------------------------------------------------------
Basic.010 Restconf OK :: Test suite to verify Restconf is OK          | PASS |
1 critical test, 1 passed, 0 failed
1 test total, 1 passed, 0 failed
==============================================================================
Basic                                                                 | PASS |
1 critical test, 1 passed, 0 failed
1 test total, 1 passed, 0 failed
==============================================================================
Output:  /home/opnfv/output.xml
Log:     /home/opnfv/log.html
Report:  /home/opnfv/report.html
==============================================================================
Neutron :: Test suite for Neutron Plugin
==============================================================================
Neutron.Networks :: Checking Network created in OpenStack are pushed to Ope...
==============================================================================
Check OpenStack Networks :: Checking OpenStack Neutron for known n... | PASS |
------------------------------------------------------------------------------
Check OpenDaylight Networks :: Checking OpenDaylight Neutron API f... | PASS |
------------------------------------------------------------------------------
Create Network :: Create new network in OpenStack                     | PASS |
------------------------------------------------------------------------------
Check Network :: Check Network created in OpenDaylight                | FAIL |
404 != 200
------------------------------------------------------------------------------
Neutron.Networks :: Checking Network created in OpenStack are push... | FAIL |
4 critical tests, 3 passed, 1 failed
4 tests total, 3 passed, 1 failed
==============================================================================
Neutron.Subnets :: Checking Subnets created in OpenStack are pushed to Open...
==============================================================================
Check OpenStack Subnets :: Checking OpenStack Neutron for known Su... | PASS |
------------------------------------------------------------------------------
Check OpenDaylight subnets :: Checking OpenDaylight Neutron API fo... | PASS |
```

```
------------------------------------------------------------------------------
Create New subnet :: Create new subnet in OpenStack                   | PASS |
------------------------------------------------------------------------------
Check New subnet :: Check new subnet created in OpenDaylight          | FAIL |
404 != 200
------------------------------------------------------------------------------
Neutron.Subnets :: Checking Subnets created in OpenStack are pushe... | FAIL |
4 critical tests, 3 passed, 1 failed
4 tests total, 3 passed, 1 failed
==============================================================================
Neutron.Ports :: Checking Port created in OpenStack are pushed to OpenDaylight
==============================================================================
Check OpenStack ports :: Checking OpenStack Neutron for known ports   | PASS |
------------------------------------------------------------------------------
Check OpenDaylight ports :: Checking OpenDaylight Neutron API for ... | PASS |
------------------------------------------------------------------------------
Create New Port :: Create new port in OpenStack                       | PASS |
------------------------------------------------------------------------------
Check New Port :: Check new subnet created in OpenDaylight            | FAIL |
404 != 200
------------------------------------------------------------------------------
Neutron.Ports :: Checking Port created in OpenStack are pushed to ... | FAIL |
4 critical tests, 3 passed, 1 failed
4 tests total, 3 passed, 1 failed
==============================================================================
Neutron.Delete Ports :: Checking Port deleted in OpenStack are deleted also...
==============================================================================
Delete New Port :: Delete previously created port in OpenStack        | PASS |
------------------------------------------------------------------------------
Check Port Deleted :: Check port deleted in OpenDaylight              | PASS |
------------------------------------------------------------------------------
Neutron.Delete Ports :: Checking Port deleted in OpenStack are del... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
==============================================================================
Neutron.Delete Subnets :: Checking Subnets deleted in OpenStack are deleted...
==============================================================================
Delete New subnet :: Delete previously created subnet in OpenStack    | PASS |
------------------------------------------------------------------------------
Check New subnet deleted :: Check subnet deleted in OpenDaylight      | PASS |
------------------------------------------------------------------------------
Neutron.Delete Subnets :: Checking Subnets deleted in OpenStack ar... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
==============================================================================
Neutron.Delete Networks :: Checking Network deleted in OpenStack are delete...
==============================================================================
Delete Network :: Delete network in OpenStack                         | PASS |
------------------------------------------------------------------------------
Check Network deleted :: Check Network deleted in OpenDaylight        | PASS |
------------------------------------------------------------------------------
Neutron.Delete Networks :: Checking Network deleted in OpenStack a... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
==============================================================================
Neutron :: Test suite for Neutron Plugin                              | FAIL |
18 critical tests, 15 passed, 3 failed
18 tests total, 15 passed, 3 failed
```

```
==============================================================================
Output:  /home/opnfv/output.xml
Log:     /home/opnfv/log.html
Report:  /home/opnfv/report.html
Log:     /home/opnfv/log.html
Report:  /home/opnfv/report.html
```

3.28 Feature tests

3.28.1 vIMS

```
FUNCTEST.info: Running vIMS test...
vIMS - INFO - Prepare OpenStack plateform (create tenant and user)
vIMS - INFO - Update OpenStack creds informations
vIMS - INFO - Upload some OS images if it doesn't exist
vIMS - INFO - centos_7 image doesn't exist on glance repository.
                              Try downloading this image and upload on glance !
vIMS - INFO - ubuntu_14.04 image doesn't exist on glance repository.
                              Try downloading this image and upload on glance !
vIMS - INFO - Update security group quota for this tenant
vIMS - INFO - Update cinder quota for this tenant
vIMS - INFO - Collect flavor id for cloudify manager server
vIMS - INFO - Prepare virtualenv for cloudify-cli
vIMS - INFO - Downloading the cloudify manager server blueprint
vIMS - INFO - Cloudify deployment Start Time:'2016-02-23 08:04:17'
vIMS - INFO - Writing the inputs file
vIMS - INFO - Launching the cloudify-manager deployment
vIMS - INFO - Cloudify-manager server is UP !
vIMS - INFO - Cloudify deployment duration:'495.7'
vIMS - INFO - Collect flavor id for all clearwater vm
vIMS - INFO - vIMS VNF deployment Start Time:'2016-02-23 08:12:33'
vIMS - INFO - Downloading the openstack-blueprint.yaml blueprint
vIMS - INFO - Writing the inputs file
vIMS - INFO - Launching the clearwater deployment
vIMS - INFO - The deployment of clearwater-opnfv is ended
vIMS - INFO - vIMS VNF deployment duration:'759.1'
vIMS - INFO - vIMS functional test Start Time:'2016-02-23 08:28:17'
vIMS - INFO - vIMS functional test duration:'109.1'
vIMS - INFO - Launching the clearwater-opnfv undeployment
vIMS - ERROR - Error when executing command /bin/bash -c 'source /home/opnfv/functest/data/vIMS/venv_
vIMS - INFO - Launching the cloudify-manager undeployment
vIMS - INFO - Cloudify-manager server has been successfully removed!
vIMS - INFO - Removing vIMS tenant ..
vIMS - INFO - Removing vIMS user ..
```

3.28.2 Doctor

```
FUNCTEST.info: Running Doctor test...
doctor - DEBUG - Executing command : cd /home/opnfv/repos/doctor/tests && ./run.sh
doctor - DEBUG - + IMAGE_URL=https://launchpad.net/cirros/trunk/0.3.0/+download/cirros-0.3.0-x86_64-d
Note: doctor/tests/run.sh has been executed.
PING 192.30.9.7 (192.30.9.7) 56(84) bytes of data.
64 bytes from 192.30.9.7: icmp_seq=1 ttl=63 time=0.753 ms
```

```
--- 192.30.9.7 ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 0.753/0.753/0.753/0.000 ms
preparing VM image...
+------------------+--------------------------------------+
| Property         | Value                                |
+------------------+--------------------------------------+
| checksum         | 11834a548b5f6fa25d331353b139cb1a     |
| container_format | bare                                 |
| created_at       | 2016-02-24T07:59:46Z                 |
| disk_format      | qcow2                                |
| id               | 0074bf80-807e-4cb7-b904-bf4347c2a668 |
| min_disk         | 0                                    |
| min_ram          | 0                                    |
| name             | cirros                               |
| owner            | 3d15a63c2519439f839df6785236b0e1     |
| protected        | False                                |
| size             | 15482                                |
| status           | active                               |
| tags             | []                                   |
| updated_at       | 2016-02-24T07:59:47Z                 |
| virtual_size     | None                                 |
| visibility       | public                               |
+------------------+--------------------------------------+
starting doctor sample components...
creating VM and alarm...
+--------------------------------------+----------------------------------------------+
| Property                             | Value                                        |
+--------------------------------------+----------------------------------------------+
| OS-DCF:diskConfig                    | MANUAL                                       |
| OS-EXT-AZ:availability_zone          |                                              |
| OS-EXT-SRV-ATTR:host                 | -                                            |
| OS-EXT-SRV-ATTR:hypervisor_hostname  | -                                            |
| OS-EXT-SRV-ATTR:instance_name        | instance-00000048                            |
| OS-EXT-STS:power_state               | 0                                            |
| OS-EXT-STS:task_state                | scheduling                                   |
| OS-EXT-STS:vm_state                  | building                                     |
| OS-SRV-USG:launched_at               | -                                            |
| OS-SRV-USG:terminated_at             | -                                            |
| accessIPv4                           |                                              |
| accessIPv6                           |                                              |
| adminPass                            | AaUNZaoqw74Q                                 |
| config_drive                         |                                              |
| created                              | 2016-02-24T07:59:49Z                         |
| flavor                               | m1.tiny (1)                                  |
| hostId                               |                                              |
| id                                   | 1ab94214-1d8c-46b5-8467-3d3e3b602f04         |
| image                                | cirros (0074bf80-807e-4cb7-b904-bf4347c2a668) |
| key_name                             | -                                            |
| metadata                             | {}                                           |
| name                                 | doctor_vm1                                   |
| os-extended-volumes:volumes_attached | []                                           |
| progress                             | 0                                            |
| security_groups                      | default                                      |
| status                               | BUILD                                        |
| tenant_id                            | 3d15a63c2519439f839df6785236b0e1             |
| updated                              | 2016-02-24T07:59:49Z                         |
| user_id                              | 0cfa3d72e33b490880278ff6676aa961             |
```

```
+-------------------------------------+-----------------------------------------------+

+--------------------------+-------------------------------------------------------------------+
| Property                 | Value                                                             |
+--------------------------+-------------------------------------------------------------------+
| alarm_actions            | ["http://localhost:12346/failure"]                                |
| alarm_id                 | 739ca887-1a9d-4fb4-ad77-17793de1db16                              |
| description              | VM failure                                                        |
| enabled                  | True                                                              |
| event_type               | compute.instance.update                                           |
| insufficient_data_actions | []                                                                |
| name                     | doctor_alarm1                                                     |
| ok_actions               | []                                                                |
| project_id               | 3d15a63c2519439f839df6785236b0e1                                  |
| query                    | [{"field": "traits.state", "type": "string", "value": "error", "op": |
|                          | "eq"}, {"field": "traits.instance_id", "type": "string", "value":   |
|                          | "1ab94214-1d8c-46b5-8467-3d3e3b602f04", "op": "eq"}]              |
| repeat_actions           | False                                                             |
| severity                 | moderate                                                          |
| state                    | insufficient data                                                 |
| type                     | event                                                             |
| user_id                  | 0cfa3d72e33b490880278ff6676aa961                                  |
+--------------------------+-------------------------------------------------------------------+
waiting for vm launch...
injecting host failure...
disabling network of comupte host [overcloud-novacompute-0] for 3 mins...
Warning: Permanently added '192.30.9.7' (ECDSA) to the list of known hosts.
Warning: Permanently added '192.30.9.7' (ECDSA) to the list of known hosts.
0 OK
done
cleanup...
24120
24124
24122
24144
Your request was processed by a Nova API which does not support microversions (X-OpenStack-Nova-API-V
Your request was processed by a Nova API which does not support microversions (X-OpenStack-Nova-API-V
Your request was processed by a Nova API which does not support microversions (X-OpenStack-Nova-API-V
Your request was processed by a Nova API which does not support microversions (X-OpenStack-Nova-API-V
24125
24136
+ ssh -o UserKnownHostsFile=/dev/null -o StrictHostKeyChecking=no -i instack_key heat-admin@192.30.9.
Warning: Permanently added '192.30.9.7' (ECDSA) to the list of known hosts.
sudo ip link set enp8s0 down
<Response [200]>
Request to delete server doctor_vm1 has been accepted.
waiting disabled compute host back to be enabled...

doctor - INFO - doctor OK
```

3.29 Detailed test results for joid-os-odl_l2-nofeature-ha

3.30 VIM

3.30.1 vping_ssh

```
FUNCTEST.info: Running vPing-SSH test...
vPing_ssh- INFO - Creating image 'functest-vping' from '/home/opnfv/functest/data/cirros-0.3.4-x86_64
vPing_ssh- INFO - Creating neutron network vping-net...
vPing_ssh- INFO - Creating security group  'vPing-sg'...
vPing_ssh- INFO - Using existing Flavor 'm1.small'...
vPing_ssh- INFO - vPing Start Time:'2016-02-23 10:26:42'
vPing_ssh- INFO - Creating instance 'opnfv-vping-1'...
 name=opnfv-vping-1
 flavor=<Flavor: m1.small>
 image=13cc508d-303d-46a8-bd03-3edae4434dfb
 network=b183c17a-bac5-4e45-afba-f5bc61edcf9e

vPing_ssh- INFO - Instance 'opnfv-vping-1' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-1' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating instance 'opnfv-vping-2'...
 name=opnfv-vping-2
 flavor=<Flavor: m1.small>
 image=13cc508d-303d-46a8-bd03-3edae4434dfb
 network=b183c17a-bac5-4e45-afba-f5bc61edcf9e

vPing_ssh- INFO - Instance 'opnfv-vping-2' is ACTIVE.
vPing_ssh- INFO - Adding 'opnfv-vping-2' to security group 'vPing-sg'...
vPing_ssh- INFO - Creating floating IP for VM 'opnfv-vping-2'...
vPing_ssh- INFO - Floating IP created: '161.105.231.3'
vPing_ssh- INFO - Associating floating ip: '161.105.231.3' to VM 'opnfv-vping-2'
vPing_ssh- INFO - Trying to establish SSH connection to 161.105.231.3...
vPing_ssh- INFO - Waiting for ping...
vPing_ssh- INFO - vPing detected!
vPing_ssh- INFO - vPing duration:'33.5' s.
vPing_ssh- INFO - Cleaning up...
vPing_ssh- INFO - vPing OK
```

3.30.2 vping_userdata

```
FUNCTEST.info: Running vPing-userdata test...
vPing_userdata- INFO - Creating image 'functest-vping' from '/home/opnfv/functest/data/cirros-0.3.4-x
vPing_userdata- INFO - Creating neutron network vping-net...
vPing_userdata- INFO - Creating security group  'vPing-sg'...
vPing_userdata- INFO - Flavor found 'm1.small'
vPing_userdata- INFO - vPing Start Time:'2016-02-23 10:27:41'
vPing_userdata- INFO - Creating instance 'opnfv-vping-1'...
 name=opnfv-vping-1
 flavor=<Flavor: m1.small>
 image=a9b0741e-0d2d-4503-b267-af151870739e
 network=9d9b24f9-7bea-48b1-a4eb-771bf3784900

vPing_userdata- INFO - Instance 'opnfv-vping-1' is ACTIVE.
vPing_userdata- INFO - Creating instance 'opnfv-vping-2'...
```

```
 name=opnfv-vping-2
 flavor=<Flavor: m1.small>
 image=a9b0741e-0d2d-4503-b267-af151870739e
 network=9d9b24f9-7bea-48b1-a4eb-771bf3784900
 userdata=
#!/bin/sh

while true; do
 ping -c 1 192.168.130.3 2>&1 >/dev/null
 RES=$?
 if [ "Z$RES" = "Z0" ] ; then
  echo 'vPing OK'
 break
 else
  echo 'vPing KO'
 fi
 sleep 1
done

vPing_userdata- INFO - Instance 'opnfv-vping-2' is ACTIVE.
vPing_userdata- INFO - Waiting for ping...
vPing_userdata- INFO - vPing detected!
vPing_userdata- INFO - vPing duration:'17.9'
vPing_userdata- INFO - vPing OK
vPing_userdata- INFO - Cleaning up...
vPing_userdata- INFO - Deleting network 'vping-net'...
```

3.30.3 Tempest

```
FUNCTEST.info: Running Tempest tests...
run_tempest - INFO - Creating tenant and user for Tempest suite
2016-02-23 10:28:17.615 23826 INFO rally.verification.tempest.tempest [-] Starting: Creating configur
2016-02-23 10:28:23.990 23826 INFO rally.verification.tempest.tempest [-] Completed: Creating configu

run_tempest - INFO - Starting Tempest test suite: '--tests-file /home/opnfv/repos/functest/testcases/
Total results of verification:

+--------------------------------------+--------------------------------------+----------+-------+---
| UUID                                 | Deployment UUID                      | Set name | Tests | Fa
+--------------------------------------+--------------------------------------+----------+-------+---
| 473116be-ef51-45b4-a46d-dcc17b02d920 | 7fa447a8-f40c-475e-bae8-d4f62027b80b |          | 210   | 5
+--------------------------------------+--------------------------------------+----------+-------+---

Tests:

+-------------------------------------------------------------------------------------------------------
| name
+-------------------------------------------------------------------------------------------------------
| tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_get_flavor
| tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_list_flavors
| tempest.api.compute.images.test_images.ImagesTestJSON.test_delete_saving_image
| tempest.api.compute.images.test_images_oneserver.ImagesOneServerTestJSON.test_create_delete_image
| tempest.api.compute.images.test_images_oneserver.ImagesOneServerTestJSON.test_create_image_specify_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
```

```
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_filter
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_limit_
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_image_filters.ListImageFiltersTestJSON.test_list_images_with_d
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_get_image
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_list_images
| tempest.api.compute.images.test_list_images.ListImagesTestJSON.test_list_images_with_detail
| tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_secur
| tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_secur
| tempest.api.compute.security_groups.test_security_groups.SecurityGroupsTestJSON.test_security_group
| tempest.api.compute.servers.test_attach_interfaces.AttachInterfacesTestJSON.test_add_remove_fixed_i
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_host_name_is_same_as_server_nam
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_created_server_vcpus
| tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_server_details
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_host_name_is_same_as_serv
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers_with_detail
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_created_server_vcp
| tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_server_details
| tempest.api.compute.servers.test_instance_actions.InstanceActionsTestJSON.test_get_instance_action
| tempest.api.compute.servers.test_instance_actions.InstanceActionsTestJSON.test_list_instance_actions
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_de
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_server_filters.ListServerFiltersTestJSON.test_list_servers_fi
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_list_servers_negative.ListServersNegativeTestJSON.test_list_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_change_server_password
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_get_console_output
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_lock_unlock_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_hard
```

```
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_soft
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_rebuild_server
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_resize_server_confirm
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_resize_server_revert
| tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_stop_start_server
| tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresse
| tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresse
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_delete_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_get_server_metadata_it
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_list_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_set_server_metadata
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_set_server_metadata_it
| tempest.api.compute.servers.test_server_metadata.ServerMetadataTestJSON.test_update_server_metadata
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_server_with_admin_password
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_specify_keypair
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_create_with_existing_server_name
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_access_server_address
| tempest.api.compute.servers.test_servers.ServersTestJSON.test_update_server_name
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_numeric_serve
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_server_metada
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_server_name_l
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_create_with_invalid_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_a_server_of_a
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_server_pass_i
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_delete_server_pass_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_get_non_existent_ser
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_invalid_ip_v6_addres
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_reboot_non_existent_
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_rebuild_non_existent
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_resize_server_with_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_resize_server_with_n
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_server_name_blank
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_stop_non_existent_se
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_name_of_non_e
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_name_l
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_of_and
| tempest.api.compute.servers.test_servers_negative.ServersNegativeTestJSON.test_update_server_set_em
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_keypair_in_analt_user_tena
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_server_fails_when_tenant_i
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_create_server_with_unauthorized_i
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_get_keypair_of_alt_account_fails
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_get_metadata_of_alt_account_serve
| tempest.api.compute.test_authorization.AuthorizationTestJSON.test_set_metadata_of_alt_account_serve
| tempest.api.compute.test_quotas.QuotasTestJSON.test_get_default_quotas
| tempest.api.compute.test_quotas.QuotasTestJSON.test_get_quotas
| tempest.api.compute.volumes.test_attach_volume.AttachVolumeTestJSON.test_attach_detach_volume
| tempest.api.compute.volumes.test_volumes_list.VolumesTestJSON.test_volume_list
| tempest.api.compute.volumes.test_volumes_list.VolumesTestJSON.test_volume_list_with_details
| tempest.api.compute.volumes.test_volumes_negative.VolumesNegativeTest.test_get_invalid_volume_id
| tempest.api.compute.volumes.test_volumes_negative.VolumesNegativeTest.test_get_volume_without_passi
| tempest.api.identity.admin.v2.test_services.ServicesTestJSON.test_list_services
| tempest.api.identity.admin.v2.test_users.UsersTestJSON.test_create_user
| tempest.api.identity.admin.v3.test_credentials.CredentialsTestJSON.test_credentials_create_get_upda
| tempest.api.identity.admin.v3.test_domains.DefaultDomainTestJSON.test_default_domain_exists
| tempest.api.identity.admin.v3.test_domains.DomainsTestJSON.test_create_update_delete_domain
| tempest.api.identity.admin.v3.test_endpoints.EndPointsTestJSON.test_update_endpoint
```

```
| tempest.api.identity.admin.v3.test_groups.GroupsV3TestJSON.test_group_users_add_list_delete
| tempest.api.identity.admin.v3.test_policies.PoliciesTestJSON.test_create_update_delete_policy
| tempest.api.identity.admin.v3.test_regions.RegionsTestJSON.test_create_region_with_specific_id
| tempest.api.identity.admin.v3.test_roles.RolesV3TestJSON.test_role_create_update_get_list
| tempest.api.identity.admin.v3.test_services.ServicesTestJSON.test_create_update_get_service
| tempest.api.identity.admin.v3.test_trusts.TrustsV3TestJSON.test_get_trusts_all
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_media_types
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_resources
| tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_statuses
| tempest.api.image.v1.test_images.ListImagesTest.test_index_no_params
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_delete_image
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_register_upload_get_image_file
| tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_update_image
| tempest.api.network.test_extensions.ExtensionsTestJSON.test_list_show_extensions
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_floating_ip_specifying_a_fixed
| tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_list_show_update_delete_floati
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_port
| tempest.api.network.test_networks.BulkNetworkOpsIpV6TestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_network
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_port
| tempest.api.network.test_networks.BulkNetworkOpsTestJSON.test_bulk_create_delete_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_list_subnets
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestAttrs.test_show_subnet
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_create_update_delete_network_subnet
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_external_network_visibility
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_list_networks
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_list_subnets
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_show_network
| tempest.api.network.test_networks.NetworksIpV6TestJSON.test_show_subnet
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_port_in_allowed_allocation_pools
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_port_with_no_securitygroups
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_create_update_delete_port
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_list_ports
| tempest.api.network.test_ports.PortsIpV6TestJSON.test_show_port
| tempest.api.network.test_ports.PortsTestJSON.test_create_port_in_allowed_allocation_pools
| tempest.api.network.test_ports.PortsTestJSON.test_create_port_with_no_securitygroups
| tempest.api.network.test_ports.PortsTestJSON.test_create_update_delete_port
| tempest.api.network.test_ports.PortsTestJSON.test_list_ports
| tempest.api.network.test_ports.PortsTestJSON.test_show_port
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_multiple_router_interfaces
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_remove_router_interface_with_port_id
| tempest.api.network.test_routers.RoutersIpV6Test.test_add_remove_router_interface_with_subnet_id
| tempest.api.network.test_routers.RoutersIpV6Test.test_create_show_list_update_delete_router
| tempest.api.network.test_routers.RoutersTest.test_add_multiple_router_interfaces
| tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_port_id
| tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_subnet_id
| tempest.api.network.test_routers.RoutersTest.test_create_show_list_update_delete_router
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_list_update_show_delete_secur
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_create_show_delete_security_group_ru
| tempest.api.network.test_security_groups.SecGroupIPv6Test.test_list_security_groups
```

```
| tempest.api.network.test_security_groups.SecGroupTest.test_create_list_update_show_delete_security_
| tempest.api.network.test_security_groups.SecGroupTest.test_create_show_delete_security_group_rule
| tempest.api.network.test_security_groups.SecGroupTest.test_list_security_groups
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_list
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_show
| tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_template
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_list
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_metadata
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_software_config
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_create_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_crud_no_resources
| tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_list_responds
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_
| tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_
| tempest.api.volume.test_volumes_actions.VolumesV1ActionsTest.test_attach_detach_volume_to_instance
| tempest.api.volume.test_volumes_actions.VolumesV2ActionsTest.test_attach_detach_volume_to_instance
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete
| tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete_from_imag
| tempest.api.volume.test_volumes_list.VolumesV1ListTestJSON.test_volume_list
| tempest.api.volume.test_volumes_list.VolumesV2ListTestJSON.test_volume_list
| tempest.scenario.test_network_basic_ops.TestNetworkBasicOps.test_network_basic_ops
| tempest.scenario.test_server_basic_ops.TestServerBasicOps.test_server_basicops
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPattern.test_volume_boot_pattern
| tempest.scenario.test_volume_boot_pattern.TestVolumeBootPatternV2.test_volume_boot_pattern
+-------------------------------------------------------------------------------------------------------
run_tempest - INFO - Results: {'timestart': '2016-02-2310:28:27.307831', 'duration': 931, 'tests': 21
run_tempest - INFO - Pushing results to DB: 'http://testresults.opnfv.org/testapi/results'.
run_tempest - INFO - Deleting tenant and user for Tempest suite)
```

3.30.4 Rally

```
FUNCTEST.info: Running Rally benchmark suite...
run_rally - INFO - Starting test scenario "authenticate" ...
run_rally - INFO -
 Preparing input task
 Task  1e91fffe-1834-4d97-b18c-95b1c3a11763: started
Task 1e91fffe-1834-4d97-b18c-95b1c3a11763: finished

test scenario Authenticate.validate_glance
+-------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                          | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_glance    | 0.393 | 0.462  | 0.625  | 0.642  | 0.659 | 0.499 | 100.0%  | 10
| authenticate.validate_glance (2)| 0.042 | 0.05   | 0.222  | 0.235  | 0.247 | 0.101 | 100.0%  | 10
| total                           | 0.56  | 0.722  | 0.84   | 0.907  | 0.975 | 0.716 | 100.0%  | 10
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 2.11308193207
Full duration: 6.43925094604

test scenario Authenticate.keystone
```

```
+-----------------------------------------------------------------------------+
|                            Response Times (sec)                             |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
| action | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
| total  | 0.096 | 0.108  | 0.117  | 0.118  | 0.118 | 0.108 | 100.0%  | 10    |
+--------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.360912799835
Full duration: 4.84613108635

test scenario Authenticate.validate_heat
+-----------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| authenticate.validate_heat     | 0.198 | 0.223  | 0.243  | 0.246  | 0.25  | 0.222 | 100.0%  | 10
| authenticate.validate_heat (2) | 0.035 | 0.229  | 0.268  | 0.272  | 0.275 | 0.195 | 100.0%  | 10
| total                          | 0.349 | 0.56   | 0.636  | 0.648  | 0.66  | 0.537 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
Load duration: 1.73545908928
Full duration: 5.89906620979

test scenario Authenticate.validate_nova
+-----------------------------------------------------------------------------------------------------------
|                                        Response Times (sec)
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| action                         | min   | median | 90%ile | 95%ile | max   | avg   | success | count
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
| authenticate.validate_nova     | 0.191 | 0.225  | 0.273  | 0.326  | 0.379 | 0.239 | 100.0%  | 10
| authenticate.validate_nova (2) | 0.193 | 0.215  | 0.268  | 0.324  | 0.379 | 0.233 | 100.0%  | 10
| total                          | 0.512 | 0.561  | 0.696  | 0.708  | 0.719 | 0.589 | 100.0%  | 10
+--------------------------------+-------+--------+--------+--------+-------+-------+---------+------
Load duration: 1.73631811142
Full duration: 6.18624401093

test scenario Authenticate.validate_cinder
+-----------------------------------------------------------------------------------------------------------
|                                         Response Times (sec)
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| action                          | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
| authenticate.validate_cinder    | 0.187 | 0.219  | 0.269  | 0.451  | 0.632 | 0.256 | 100.0%  | 10
| authenticate.validate_cinder (2) | 0.019 | 0.202  | 0.228  | 0.232  | 0.235 | 0.19  | 100.0%  | 10
| total                           | 0.318 | 0.572  | 0.652  | 0.81   | 0.967 | 0.582 | 100.0%  | 10
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 1.90990018845
Full duration: 6.19068098068

test scenario Authenticate.validate_neutron
+-----------------------------------------------------------------------------------------------------------
|                                          Response Times (sec)
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+---
| action                           | min   | median | 90%ile | 95%ile | max   | avg   | success | co
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+---
| authenticate.validate_neutron    | 0.22  | 0.241  | 0.324  | 0.326  | 0.328 | 0.255 | 100.0%  | 10
| authenticate.validate_neutron (2) | 0.21  | 0.234  | 0.327  | 0.349  | 0.37  | 0.254 | 100.0%  | 10
| total                            | 0.529 | 0.595  | 0.67   | 0.689  | 0.708 | 0.613 | 100.0%  | 10
```

```
+----------------------------------+-------+--------+--------+--------+-------+-------+---------+---
Load duration: 1.81688117981
Full duration: 5.97459483147

run_rally - INFO - Test scenario: "authenticate" OK.

run_rally - INFO - Starting test scenario "glance" ...
run_rally - INFO -
 Preparing input task
 Task  c991643e-676b-49d8-af8c-cf9655ae236b: started
Task c991643e-676b-49d8-af8c-cf9655ae236b: finished

test scenario GlanceImages.list_images
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.list_images | 0.47  | 0.551  | 0.604  | 0.621  | 0.638 | 0.559 | 100.0%  | 10    |
| total              | 0.471 | 0.551  | 0.604  | 0.621  | 0.638 | 0.559 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.7134771347
Full duration: 7.86669206619

test scenario GlanceImages.create_image_and_boot_instances
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| glance.create_image | 3.881  | 4.628  | 5.228  | 5.273  | 5.317  | 4.643  | 100.0%  | 10    |
| nova.boot_servers   | 7.198  | 8.691  | 9.617  | 9.773  | 9.929  | 8.609  | 100.0%  | 10    |
| total               | 11.395 | 13.062 | 14.63  | 14.674 | 14.718 | 13.252 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 40.5051100254
Full duration: 80.9348599911

test scenario GlanceImages.create_and_list_image
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.create_image | 4.473 | 4.791  | 5.258  | 5.513  | 5.767 | 4.935 | 100.0%  | 10    |
| glance.list_images  | 0.046 | 0.143  | 0.285  | 0.293  | 0.302 | 0.159 | 100.0%  | 10    |
| total               | 4.67  | 5.043  | 5.524  | 5.679  | 5.834 | 5.095 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 15.4974470139
Full duration: 26.4936869144

test scenario GlanceImages.create_and_delete_image
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| glance.create_image | 4.297 | 4.864  | 5.167  | 5.345  | 5.523 | 4.859 | 100.0%  | 10    |
| glance.delete_image | 0.842 | 1.496  | 1.603  | 1.702  | 1.801 | 1.371 | 100.0%  | 10    |
```

```
| total               | 5.14  | 6.405  | 6.623  | 6.626  | 6.63  | 6.23  | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 18.5310051441
Full duration: 24.86997509

run_rally - INFO - Test scenario: "glance" OK.

run_rally - INFO - Starting test scenario "cinder" ...
run_rally - INFO -
 Preparing input task
 Task  388cb584-9c00-4d54-8f76-53ed3182a475: started
Task 388cb584-9c00-4d54-8f76-53ed3182a475: finished

test scenario CinderVolumes.create_and_attach_volume
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server     | 4.792  | 5.804  | 8.436  | 8.476  | 8.516  | 6.313  | 100.0%  | 10    |
| cinder.create_volume | 3.049  | 3.381  | 3.469  | 3.471  | 3.473  | 3.317  | 100.0%  | 10    |
| nova.attach_volume   | 3.722  | 3.987  | 4.207  | 4.245  | 4.283  | 4.012  | 100.0%  | 10    |
| nova.detach_volume   | 3.492  | 3.685  | 3.892  | 3.925  | 3.958  | 3.702  | 100.0%  | 10    |
| cinder.delete_volume | 0.502  | 0.765  | 2.927  | 2.998  | 3.068  | 1.357  | 100.0%  | 10    |
| nova.delete_server   | 2.66   | 3.128  | 3.235  | 3.243  | 3.251  | 3.056  | 100.0%  | 10    |
| total                | 19.466 | 20.925 | 25.056 | 25.456 | 25.856 | 21.758 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 64.0748999119
Full duration: 88.3469510078

test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 6.151 | 6.548  | 8.972  | 9.007  | 9.043 | 7.201 | 100.0%  | 10    |
| cinder.list_volumes  | 0.044 | 0.249  | 0.299  | 0.32   | 0.34  | 0.227 | 100.0%  | 10    |
| total                | 6.424 | 6.801  | 9.229  | 9.255  | 9.28  | 7.429 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 22.3146419525
Full duration: 39.1755928993

test scenario CinderVolumes.create_and_list_volume
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.269 | 3.372  | 3.545  | 3.556  | 3.566 | 3.406 | 100.0%  | 10    |
| cinder.list_volumes  | 0.051 | 0.27   | 0.296  | 0.304  | 0.313 | 0.249 | 100.0%  | 10    |
| total                | 3.321 | 3.662  | 3.786  | 3.819  | 3.852 | 3.656 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 11.0692770481
Full duration: 26.8993549347

test scenario CinderVolumes.create_and_list_snapshots
+-----------------------------------------------------------------------------------------------+
```

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_snapshot	2.807	3.0	3.236	4.094	4.951	3.175	100.0%	10
cinder.list_snapshots	0.023	0.263	0.29	0.295	0.299	0.238	100.0%	10
total	3.039	3.247	3.493	4.372	5.251	3.413	100.0%	10

Load duration: 11.5568339825
Full duration: 45.8590891361

test scenario CinderVolumes.create_and_delete_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.35	3.413	3.511	3.567	3.622	3.434	100.0%	10
cinder.delete_volume	0.666	2.775	3.101	3.101	3.101	2.07	100.0%	10
total	4.016	6.163	6.511	6.555	6.6	5.505	100.0%	10

Load duration: 16.3949551582
Full duration: 29.3589651585

test scenario CinderVolumes.create_and_delete_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	6.12	6.499	8.727	8.888	9.049	6.934	100.0%	10
cinder.delete_volume	0.689	2.95	3.117	3.132	3.147	2.519	100.0%	10
total	6.97	9.45	11.391	11.777	12.163	9.454	100.0%	10

Load duration: 27.9512338638
Full duration: 42.110273838

test scenario CinderVolumes.create_and_delete_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.153	3.382	3.523	3.546	3.569	3.401	100.0%	10
cinder.delete_volume	0.459	1.756	3.107	3.143	3.179	1.823	100.0%	10
total	3.976	5.273	6.386	6.427	6.468	5.225	100.0%	10

Load duration: 14.3155708313
Full duration: 27.9943380356

test scenario CinderVolumes.create_and_upload_volume_to_image

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	cou
cinder.create_volume	3.216	3.504	3.612	3.614	3.616	3.473	100.0%	10
cinder.upload_volume_to_image	48.706	66.291	69.416	69.518	69.621	64.031	100.0%	10

```
| cinder.delete_volume          | 0.681  | 1.721  | 3.226  | 3.286  | 3.347  | 1.88   | 100.0%  | 10
| nova.delete_image             | 1.064  | 1.392  | 1.76   | 1.884  | 2.007  | 1.407  | 100.0%  | 10
| total                         | 57.671 | 73.06  | 75.032 | 75.707 | 76.382 | 70.791 | 100.0%  | 10
+-------------------------------+--------+--------+--------+--------+--------+--------+---------+---
Load duration: 206.246454954
Full duration: 221.344403028

test scenario CinderVolumes.create_and_delete_snapshot
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_snapshot | 2.886 | 3.18   | 5.409  | 5.479  | 5.548 | 3.789 | 100.0%  | 10    |
| cinder.delete_snapshot | 2.442 | 2.892  | 3.051  | 3.111  | 3.172 | 2.875 | 100.0%  | 10    |
| total                  | 5.432 | 6.063  | 8.28   | 8.355  | 8.429 | 6.664 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 20.3915560246
Full duration: 49.2419481277

test scenario CinderVolumes.create_volume
+----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.151 | 3.492  | 3.579  | 3.641  | 3.703 | 3.459 | 100.0%  | 10    |
| total                | 3.151 | 3.492  | 3.579  | 3.641  | 3.703 | 3.459 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 10.2652549744
Full duration: 23.4044110775

test scenario CinderVolumes.create_volume
+----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.create_volume | 3.221 | 3.489  | 3.632  | 3.639  | 3.647 | 3.448 | 100.0%  | 10    |
| total                | 3.222 | 3.489  | 3.632  | 3.64   | 3.647 | 3.448 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 10.2576260567
Full duration: 27.1289498806

test scenario CinderVolumes.list_volumes
+----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| cinder.list_volumes | 0.347 | 0.409  | 0.467  | 0.49   | 0.514 | 0.416 | 100.0%  | 10    |
| total               | 0.347 | 0.409  | 0.467  | 0.49   | 0.514 | 0.416 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.25233316422
Full duration: 60.8991248608

test scenario CinderVolumes.create_nested_snapshots_and_attach_volume
+-----------------------------------------------------------------------------------------------+----------+
```

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.37	3.431	3.543	3.585	3.627	3.454	100.0%	10
cinder.create_snapshot	2.744	2.922	2.98	2.993	3.006	2.901	100.0%	10
nova.attach_volume	4.052	4.214	6.878	6.969	7.06	4.803	100.0%	10
nova.detach_volume	3.392	3.988	4.066	4.11	4.154	3.906	100.0%	10
cinder.delete_snapshot	0.753	2.605	2.986	3.013	3.04	2.343	100.0%	10
cinder.delete_volume	0.492	2.767	2.955	3.011	3.067	1.989	100.0%	10
total	16.494	20.022	23.368	23.417	23.465	20.126	100.0%	10

Load duration: 59.1712889671
Full duration: 133.726794958

test scenario CinderVolumes.create_from_volume_and_delete_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.434	3.618	4.006	4.825	5.645	3.835	100.0%	10
cinder.delete_volume	2.853	2.996	3.194	3.231	3.269	3.035	100.0%	10
total	6.323	6.672	7.143	7.89	8.637	6.87	100.0%	10

Load duration: 20.0482749939
Full duration: 48.4943790436

test scenario CinderVolumes.create_and_extend_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.242	3.547	3.574	3.574	3.575	3.477	100.0%	10
cinder.extend_volume	0.67	0.904	3.113	3.227	3.341	1.343	100.0%	10
cinder.delete_volume	0.756	2.645	3.074	3.111	3.147	2.224	100.0%	10
total	5.261	7.245	7.684	8.512	9.341	7.045	100.0%	10

Load duration: 21.6863160133
Full duration: 35.5403769016

test scenario CinderVolumes.create_snapshot_and_attach_volume

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
cinder.create_volume	3.427	3.543	3.82	3.829	3.838	3.59	100.0%	10
cinder.create_snapshot	2.673	2.992	3.109	3.111	3.112	2.928	100.0%	10
nova.attach_volume	3.759	4.112	4.508	5.345	6.182	4.292	100.0%	10
nova.detach_volume	3.458	4.067	4.174	4.261	4.348	4.006	100.0%	10
cinder.delete_snapshot	2.665	2.794	2.946	2.986	3.026	2.823	100.0%	10
cinder.delete_volume	0.707	2.907	3.246	3.257	3.268	2.558	100.0%	10
total	18.87	21.068	21.909	22.497	23.086	20.904	100.0%	10

Load duration: 61.3498468399
Full duration: 141.86026597

```
test scenario CinderVolumes.create_snapshot_and_attach_volume
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume  | 2.885  | 3.335  | 3.519  | 3.55   | 3.581  | 3.305  | 100.0%  | 10    |
| cinder.create_snapshot| 2.609  | 2.889  | 3.002  | 3.021  | 3.041  | 2.853  | 100.0%  | 10    |
| nova.attach_volume    | 3.794  | 4.368  | 6.443  | 6.495  | 6.548  | 4.951  | 100.0%  | 10    |
| nova.detach_volume    | 3.341  | 3.93   | 4.07   | 4.11   | 4.15   | 3.862  | 100.0%  | 10    |
| cinder.delete_snapshot| 2.73   | 2.943  | 3.009  | 3.029  | 3.049  | 2.912  | 100.0%  | 10    |
| cinder.delete_volume  | 0.667  | 2.901  | 3.015  | 3.027  | 3.039  | 2.437  | 100.0%  | 10    |
| total                 | 18.717 | 21.217 | 22.919 | 23.013 | 23.108 | 21.377 | 100.0%  | 10    |
+-----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 62.8349030018
Full duration: 143.571810007

run_rally - INFO - Test scenario: "cinder" OK.

run_rally - INFO - Starting test scenario "heat" ...
run_rally - INFO -
 Preparing input task
 Task  1055c160-be9e-4209-9219-2eda388f64ca: started
Task 1055c160-be9e-4209-9219-2eda388f64ca: finished

test scenario HeatStacks.create_suspend_resume_delete_stack
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack  | 3.658 | 4.153  | 4.633  | 4.957  | 5.28  | 4.179 | 100.0%  | 10    |
| heat.suspend_stack | 0.603 | 0.984  | 1.772  | 1.876  | 1.98  | 1.163 | 100.0%  | 10    |
| heat.resume_stack  | 0.553 | 1.347  | 2.26   | 2.264  | 2.268 | 1.425 | 100.0%  | 10    |
| heat.delete_stack  | 1.527 | 1.61   | 1.95   | 1.96   | 1.97  | 1.701 | 100.0%  | 10    |
| total              | 7.456 | 8.457  | 9.273  | 9.324  | 9.376 | 8.469 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 25.1924760342
Full duration: 31.4871768951

test scenario HeatStacks.create_and_delete_stack
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action             | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack  | 3.724 | 4.253  | 4.355  | 4.361  | 4.366 | 4.141 | 100.0%  | 10    |
| heat.delete_stack  | 1.538 | 1.86   | 2.427  | 2.427  | 2.428 | 1.933 | 100.0%  | 10    |
| total              | 5.609 | 6.117  | 6.381  | 6.402  | 6.422 | 6.073 | 100.0%  | 10    |
+--------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 18.3157711029
Full duration: 24.7532258034

test scenario HeatStacks.create_and_delete_stack
+-----------------------------------------------------------------------------------------+
|                                 Response Times (sec)                                    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
```

heat.create_stack	19.874	21.385	22.341	22.535	22.729	21.343	100.0%	10
heat.delete_stack	10.707	11.672	12.205	12.275	12.345	11.562	100.0%	10
total	30.923	33.359	33.959	34.235	34.512	32.905	100.0%	10

Load duration: 99.1549890041
Full duration: 105.660290003

test scenario HeatStacks.create_and_delete_stack

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	15.572	18.262	19.048	19.088	19.127	18.071	100.0%	10
heat.delete_stack	10.145	10.711	11.519	11.545	11.571	10.78	100.0%	10
total	25.725	29.14	29.903	30.143	30.382	28.851	100.0%	10

Load duration: 85.5803580284
Full duration: 92.0883340836

test scenario HeatStacks.list_stacks_and_resources

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	cou
heat.list_stacks	0.391	0.425	0.461	0.477	0.492	0.432	100.0%	10
heat.list_resources_of_0_stacks	0.0	0.0	0.0	0.0	0.0	0.0	100.0%	10
total	0.391	0.425	0.461	0.477	0.492	0.432	100.0%	10

Load duration: 1.32646512985
Full duration: 6.55452680588

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	3.818	4.127	4.55	4.634	4.719	4.191	100.0%	10
heat.update_stack	2.555	3.026	3.487	3.49	3.493	2.994	100.0%	10
heat.delete_stack	1.278	1.905	2.468	2.484	2.501	1.938	100.0%	10
total	8.59	8.987	9.575	9.58	9.585	9.123	100.0%	10

Load duration: 27.2428030968
Full duration: 34.0842261314

test scenario HeatStacks.create_update_delete_stack

Response Times (sec)

action	min	median	90%ile	95%ile	max	avg	success	count
heat.create_stack	3.817	4.322	4.498	4.571	4.643	4.268	100.0%	10
heat.update_stack	2.571	3.085	3.495	3.651	3.807	3.093	100.0%	10
heat.delete_stack	1.261	1.933	2.188	2.23	2.271	1.85	100.0%	10
total	8.823	9.193	9.529	9.645	9.76	9.211	100.0%	10

```
+------------------+-------+--------+--------+--------+-------+-------+---------+------+
Load duration: 27.712323904
Full duration: 34.6925389767

test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action           | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 3.534  | 4.559  | 4.878  | 4.986  | 5.094  | 4.397  | 100.0%  | 10    |
| heat.update_stack | 4.274  | 4.722  | 5.38   | 5.427  | 5.474  | 4.782  | 100.0%  | 10    |
| heat.delete_stack | 2.324  | 2.687  | 3.01   | 3.031  | 3.051  | 2.761  | 100.0%  | 10    |
| total            | 10.398 | 11.879 | 12.749 | 13.064 | 13.379 | 11.941 | 100.0%  | 10    |
+------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 36.5785570145
Full duration: 43.5735290051

test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action           | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 4.244  | 4.341  | 4.695  | 4.992  | 5.29   | 4.489  | 100.0%  | 10    |
| heat.update_stack | 7.174  | 8.094  | 8.59   | 8.598  | 8.605  | 8.081  | 100.0%  | 10    |
| heat.delete_stack | 2.663  | 2.892  | 3.804  | 3.808  | 3.813  | 3.088  | 100.0%  | 10    |
| total            | 15.231 | 15.561 | 16.269 | 16.292 | 16.315 | 15.659 | 100.0%  | 10    |
+------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 46.8214969635
Full duration: 54.2644329071

test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action           | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 4.041  | 4.381  | 4.699  | 4.835  | 4.971  | 4.435  | 100.0%  | 10    |
| heat.update_stack | 4.032  | 4.694  | 5.611  | 5.758  | 5.906  | 4.82   | 100.0%  | 10    |
| heat.delete_stack | 2.715  | 3.034  | 3.306  | 3.315  | 3.324  | 3.036  | 100.0%  | 10    |
| total            | 11.427 | 12.204 | 13.196 | 13.241 | 13.286 | 12.292 | 100.0%  | 10    |
+------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 37.1505100727
Full duration: 44.6821551323

test scenario HeatStacks.create_update_delete_stack
+-------------------------------------------------------------------------------------+
|                                Response Times (sec)                                 |
+------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| action           | min   | median | 90%ile | 95%ile | max    | avg    | success | count |
+------------------+-------+--------+--------+--------+--------+--------+---------+-------+
| heat.create_stack | 3.692 | 4.397  | 4.751  | 4.908  | 5.065  | 4.428  | 100.0%  | 10    |
| heat.update_stack | 3.631 | 4.037  | 4.866  | 4.875  | 4.885  | 4.167  | 100.0%  | 10    |
| heat.delete_stack | 1.267 | 1.966  | 2.279  | 2.33   | 2.382  | 1.871  | 100.0%  | 10    |
| total            | 9.823 | 10.45  | 11.136 | 11.248 | 11.361 | 10.466 | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 31.3539619446
```

```
Full duration: 39.0203011036

test scenario HeatStacks.create_and_list_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action           | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 4.039 | 4.653  | 4.788  | 4.792  | 4.796 | 4.563 | 100.0%  | 10    |
| heat.list_stacks  | 0.052 | 0.39   | 0.447  | 0.461  | 0.474 | 0.339 | 100.0%  | 10    |
| total            | 4.106 | 4.992  | 5.218  | 5.244  | 5.27  | 4.902 | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 14.8402919769
Full duration: 27.3945071697

test scenario HeatStacks.create_check_delete_stack
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action           | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| heat.create_stack | 3.744 | 4.489  | 4.836  | 4.864  | 4.891 | 4.475 | 100.0%  | 10    |
| heat.check_stack  | 0.612 | 1.265  | 1.684  | 1.853  | 2.022 | 1.261 | 100.0%  | 10    |
| heat.delete_stack | 1.272 | 1.804  | 2.077  | 2.209  | 2.342 | 1.813 | 100.0%  | 10    |
| total            | 6.355 | 7.754  | 8.128  | 8.148  | 8.168 | 7.55  | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 23.1206851006
Full duration: 31.1694560051

run_rally - INFO - Test scenario: "heat" OK.

run_rally - INFO - Starting test scenario "keystone" ...
run_rally - INFO -
 Preparing input task
 Task  897d895f-d779-44a7-bb9b-0e66854f43da: started
Task 897d895f-d779-44a7-bb9b-0e66854f43da: finished

test scenario KeystoneBasic.create_tenant_with_users
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.199 | 0.225  | 0.245  | 0.26   | 0.274 | 0.227 | 100.0%  | 10    |
| keystone.create_users  | 1.448 | 1.551  | 1.618  | 1.62   | 1.621 | 1.544 | 100.0%  | 10    |
| total                 | 1.702 | 1.78   | 1.819  | 1.83   | 1.842 | 1.772 | 100.0%  | 10    |
+-----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 5.34110379219
Full duration: 17.6792171001

test scenario KeystoneBasic.create_add_and_list_user_roles
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_role | 0.206 | 0.231  | 0.279  | 0.28   | 0.281 | 0.238 | 100.0%  | 10    |
| keystone.add_role    | 0.248 | 0.256  | 0.3    | 0.314  | 0.328 | 0.269 | 100.0%  | 10    |
```

```
| keystone.list_roles  | 0.133 | 0.143  | 0.175  | 0.182  | 0.189 | 0.149 | 100.0%  | 10    |
| total                | 0.596 | 0.655  | 0.689  | 0.719  | 0.75  | 0.657 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.96121311188
Full duration: 11.1928119659

test scenario KeystoneBasic.add_and_remove_user_role
+-----------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                        |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_role | 0.201 | 0.224  | 0.231  | 0.232  | 0.233 | 0.22  | 100.0%  | 10    |
| keystone.add_role    | 0.245 | 0.259  | 0.287  | 0.295  | 0.304 | 0.265 | 100.0%  | 10    |
| keystone.remove_role | 0.137 | 0.148  | 0.164  | 0.172  | 0.18  | 0.15  | 100.0%  | 10    |
| total                | 0.605 | 0.631  | 0.668  | 0.673  | 0.679 | 0.635 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.9179649353
Full duration: 11.3398149014

test scenario KeystoneBasic.create_update_and_delete_tenant
+-------------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                         |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.204 | 0.23   | 0.249  | 0.262  | 0.276 | 0.234 | 100.0%  | 10    |
| keystone.update_tenant | 0.134 | 0.136  | 0.178  | 0.179  | 0.18  | 0.148 | 100.0%  | 10    |
| keystone.delete_tenant | 0.288 | 0.308  | 0.353  | 0.36   | 0.367 | 0.316 | 100.0%  | 10    |
| total                  | 0.653 | 0.684  | 0.749  | 0.761  | 0.774 | 0.698 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.11506795883
Full duration: 10.1015338898

test scenario KeystoneBasic.create_and_delete_service
+-------------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                         |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_service | 0.223 | 0.237  | 0.288  | 0.289  | 0.29  | 0.245 | 100.0%  | 10    |
| keystone.delete_service | 0.14  | 0.152  | 0.165  | 0.175  | 0.185 | 0.154 | 100.0%  | 10    |
| total                  | 0.373 | 0.389  | 0.43   | 0.442  | 0.453 | 0.399 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.24712610245
Full duration: 9.40017700195

test scenario KeystoneBasic.create_tenant
+-------------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                         |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_tenant | 0.219 | 0.235  | 0.25   | 0.263  | 0.277 | 0.238 | 100.0%  | 10    |
| total                  | 0.219 | 0.236  | 0.25   | 0.263  | 0.277 | 0.238 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.738801002502
Full duration: 6.97619819641
```

test scenario KeystoneBasic.create_user

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_user	0.242	0.253	0.272	0.28	0.288	0.257	100.0%	10
total	0.242	0.253	0.272	0.28	0.288	0.258	100.0%	10

Load duration: 0.813333034515
Full duration: 7.2009499073

test scenario KeystoneBasic.create_and_list_tenants

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.215	0.241	0.264	0.277	0.289	0.245	100.0%	10
keystone.list_tenants	0.128	0.136	0.183	0.202	0.22	0.151	100.0%	10
total	0.366	0.388	0.425	0.44	0.455	0.396	100.0%	10

Load duration: 1.19499707222
Full duration: 10.8357591629

test scenario KeystoneBasic.create_and_delete_role

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_role	0.231	0.252	0.281	0.294	0.307	0.258	100.0%	10
keystone.delete_role	0.28	0.293	0.399	0.418	0.437	0.329	100.0%	10
total	0.511	0.579	0.676	0.69	0.704	0.587	100.0%	10

Load duration: 1.80924010277
Full duration: 10.1753411293

test scenario KeystoneBasic.get_entities

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
keystone.create_tenant	0.24	0.257	0.281	0.283	0.284	0.258	100.0%	10
keystone.create_user	0.15	0.164	0.206	0.206	0.206	0.171	100.0%	10
keystone.create_role	0.13	0.136	0.143	0.159	0.176	0.139	100.0%	10
keystone.get_tenant	0.13	0.138	0.141	0.143	0.146	0.137	100.0%	10
keystone.get_user	0.112	0.132	0.137	0.137	0.137	0.131	100.0%	10
keystone.get_role	0.129	0.133	0.139	0.156	0.174	0.137	100.0%	10
keystone.service_list	0.129	0.132	0.135	0.137	0.138	0.133	100.0%	10
keystone.get_service	0.132	0.135	0.178	0.178	0.178	0.147	100.0%	10
total	1.204	1.22	1.323	1.328	1.332	1.252	100.0%	10

Load duration: 3.79558706284
Full duration: 16.6252310276

test scenario KeystoneBasic.create_and_list_users

```
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| keystone.create_user | 0.239 | 0.266  | 0.295  | 0.298  | 0.301 | 0.27  | 100.0%  | 10    |
| keystone.list_users  | 0.137 | 0.143  | 0.186  | 0.211  | 0.235 | 0.157 | 100.0%  | 10    |
| total                | 0.397 | 0.419  | 0.448  | 0.474  | 0.5   | 0.427 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.30778193474
Full duration: 8.03108906746

run_rally - INFO - Test scenario: "keystone" OK.

run_rally - INFO - Starting test scenario "neutron" ...
run_rally - INFO -
 Preparing input task
 Task  6e4f3aaf-b5ee-4eeb-8ac3-057f7b4d6309: started
Task 6e4f3aaf-b5ee-4eeb-8ac3-057f7b4d6309: finished

test scenario NeutronNetworks.create_and_delete_ports
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_port  | 0.806 | 0.859  | 0.937  | 0.938  | 0.939 | 0.873 | 100.0%  | 10    |
| neutron.delete_port  | 0.202 | 0.689  | 0.761  | 0.777  | 0.794 | 0.529 | 100.0%  | 10    |
| total                | 1.023 | 1.572  | 1.686  | 1.703  | 1.72  | 1.401 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.3307390213
Full duration: 57.6386358738

test scenario NeutronNetworks.create_and_list_routers
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+-----------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                      | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-----------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet       | 0.739 | 0.817  | 0.85   | 0.861  | 0.871 | 0.812 | 100.0%  | 10    |
| neutron.create_router       | 0.079 | 0.545  | 0.57   | 0.584  | 0.598 | 0.499 | 100.0%  | 10    |
| neutron.add_interface_router| 0.348 | 0.89   | 0.978  | 0.986  | 0.994 | 0.793 | 100.0%  | 10    |
| neutron.list_routers        | 0.047 | 0.566  | 0.607  | 0.612  | 0.617 | 0.515 | 100.0%  | 10    |
| total                       | 2.172 | 2.707  | 2.868  | 2.88   | 2.891 | 2.618 | 100.0%  | 10    |
+-----------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 7.91338610649
Full duration: 64.1935119629

test scenario NeutronNetworks.create_and_delete_routers
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
| action                          | min   | median | 90%ile | 95%ile | max   | avg   | success | cou
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+-----
| neutron.create_subnet           | 0.769 | 0.8    | 0.846  | 0.881  | 0.915 | 0.809 | 100.0%  | 10
| neutron.create_router           | 0.488 | 0.528  | 0.576  | 0.615  | 0.653 | 0.539 | 100.0%  | 10
| neutron.add_interface_router    | 0.839 | 0.882  | 0.983  | 0.985  | 0.987 | 0.901 | 100.0%  | 10
| neutron.remove_interface_router | 0.343 | 0.809  | 0.898  | 0.906  | 0.913 | 0.763 | 100.0%  | 10
```

```
| neutron.delete_router           | 0.614 | 0.686  | 0.787  | 0.849  | 0.912 | 0.708 | 100.0%  | 10
| total                           | 3.419 | 3.666  | 3.994  | 3.997  | 3.999 | 3.719 | 100.0%  | 10
+---------------------------------+-------+--------+--------+--------+-------+-------+---------+----
Load duration: 11.0299580097
Full duration: 65.4096131325

test scenario NeutronNetworks.create_and_list_ports
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+---------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| neutron.create_port | 0.83  | 0.888  | 0.995  | 1.184  | 1.372 | 0.935 | 100.0%  | 10    |
| neutron.list_ports  | 0.554 | 0.625  | 0.697  | 0.704  | 0.712 | 0.626 | 100.0%  | 10    |
| total               | 1.405 | 1.487  | 1.692  | 1.888  | 2.084 | 1.562 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+--------+
Load duration: 5.07633280754
Full duration: 59.1840729713

test scenario NeutronNetworks.create_and_delete_subnets
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
| neutron.create_subnet | 0.731 | 0.806  | 0.857  | 0.933  | 1.01  | 0.812 | 100.0%  | 10    |
| neutron.delete_subnet | 0.183 | 0.688  | 0.872  | 0.918  | 0.965 | 0.691 | 100.0%  | 10    |
| total                | 0.948 | 1.544  | 1.665  | 1.681  | 1.696 | 1.503 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+--------+
Load duration: 4.69728302956
Full duration: 58.486093998

test scenario NeutronNetworks.create_and_delete_networks
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_network | 0.641 | 0.686  | 0.757  | 0.82   | 0.883 | 0.707 | 100.0%  | 10    |
| neutron.delete_network | 0.158 | 0.632  | 0.656  | 0.665  | 0.674 | 0.585 | 100.0%  | 10    |
| total                  | 0.901 | 1.305  | 1.424  | 1.469  | 1.514 | 1.292 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.96865105629
Full duration: 36.4033529758

test scenario NeutronNetworks.create_and_list_networks
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_network | 0.634 | 0.679  | 0.751  | 0.797  | 0.844 | 0.695 | 100.0%  | 10    |
| neutron.list_networks  | 0.472 | 0.522  | 0.552  | 0.555  | 0.557 | 0.521 | 100.0%  | 10    |
| total                  | 1.154 | 1.192  | 1.284  | 1.327  | 1.369 | 1.216 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.68979907036
Full duration: 38.8585669994
```

```
test scenario NeutronNetworks.create_and_update_routers
+-------------------------------------------------------------------------------------------------+
|                                     Response Times (sec)                                        |
+------------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                       | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet        | 0.759 | 0.82   | 0.863  | 0.871  | 0.879 | 0.819 | 100.0%  | 10    |
| neutron.create_router        | 0.518 | 0.558  | 0.62   | 0.627  | 0.634 | 0.566 | 100.0%  | 10    |
| neutron.add_interface_router | 0.465 | 0.878  | 1.032  | 1.081  | 1.13  | 0.879 | 100.0%  | 10    |
| neutron.update_router        | 0.158 | 0.636  | 0.722  | 0.73   | 0.737 | 0.564 | 100.0%  | 10    |
| total                        | 2.298 | 2.877  | 3.13   | 3.178  | 3.226 | 2.827 | 100.0%  | 10    |
+------------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 8.47763490677
Full duration: 62.3842899799

test scenario NeutronNetworks.create_and_update_networks
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_network | 0.627 | 0.673  | 0.974  | 1.044  | 1.114 | 0.744 | 100.0%  | 10    |
| neutron.update_network | 0.153 | 0.605  | 0.623  | 0.626  | 0.629 | 0.564 | 100.0%  | 10    |
| total                  | 0.809 | 1.285  | 1.576  | 1.65   | 1.723 | 1.308 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.00336408615
Full duration: 38.2563900948

test scenario NeutronNetworks.create_and_update_ports
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_port | 0.796 | 0.874  | 1.084  | 1.1    | 1.116 | 0.908 | 100.0%  | 10    |
| neutron.update_port | 0.595 | 0.622  | 0.697  | 0.76   | 0.823 | 0.646 | 100.0%  | 10    |
| total               | 1.44  | 1.497  | 1.737  | 1.82   | 1.904 | 1.554 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.89373588562
Full duration: 57.0287640095

test scenario NeutronNetworks.create_and_list_subnets
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| neutron.create_subnet | 0.706 | 0.775  | 0.866  | 0.893  | 0.92  | 0.789 | 100.0%  | 10    |
| neutron.list_subnets  | 0.487 | 0.519  | 0.53   | 0.54   | 0.55  | 0.517 | 100.0%  | 10    |
| total                | 1.233 | 1.291  | 1.393  | 1.414  | 1.435 | 1.307 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.97321105003
Full duration: 55.8097410202

test scenario NeutronNetworks.create_and_update_subnets
+-----------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                   |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

action	min	median	90%ile	95%ile	max	avg	success	count
neutron.create_subnet	0.72	0.834	0.873	0.905	0.936	0.819	100.0%	10
neutron.update_subnet	0.24	0.66	0.83	0.838	0.847	0.61	100.0%	10
total	1.098	1.433	1.66	1.686	1.713	1.429	100.0%	10

Load duration: 4.11318302155
Full duration: 55.0307190418

run_rally - INFO - Test scenario: "neutron" OK.

run_rally - INFO - Starting test scenario "nova" ...
run_rally - INFO -
 Preparing input task
 Task 52be10f0-6365-4abd-8a9b-5f626b8c2e7a: started
Task 52be10f0-6365-4abd-8a9b-5f626b8c2e7a: finished

test scenario NovaKeypair.create_and_delete_keypair

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.create_keypair	0.695	0.769	0.948	0.991	1.035	0.816	100.0%	10
nova.delete_keypair	0.017	0.453	0.499	0.551	0.604	0.423	100.0%	10
total	0.944	1.187	1.524	1.533	1.542	1.239	100.0%	10

Load duration: 3.69359993935
Full duration: 34.1216721535

test scenario NovaServers.snapshot_server

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.boot_server	6.466	7.619	9.603	9.617	9.63	7.898	100.0%	10
nova.create_image	7.251	8.663	10.95	11.033	11.116	8.905	100.0%	10
nova.delete_server	2.865	4.177	4.352	4.362	4.373	3.878	100.0%	10
nova.boot_server (2)	7.263	7.636	9.053	9.177	9.301	7.965	100.0%	10
nova.delete_server (2)	2.41	3.487	3.939	4.129	4.318	3.406	100.0%	10
nova.delete_image	2.217	3.339	3.856	3.864	3.873	3.205	100.0%	10
total	32.246	34.577	37.931	38.819	39.707	35.259	100.0%	10

Load duration: 104.138304949
Full duration: 162.17621994

test scenario NovaKeypair.boot_and_delete_server_with_keypair

Response Times (sec)								
action	min	median	90%ile	95%ile	max	avg	success	count
nova.create_keypair	0.717	0.776	0.905	0.916	0.927	0.799	100.0%	10
nova.boot_server	5.96	7.356	9.573	9.701	9.829	7.641	100.0%	10
nova.delete_server	3.226	3.979	4.24	4.272	4.305	3.929	100.0%	10
nova.delete_keypair	0.018	0.446	0.498	0.498	0.498	0.375	100.0%	10
total	11.513	12.362	14.5	14.767	15.033	12.746	100.0%	10

```
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 37.7138030529
Full duration: 95.0321340561

test scenario NovaKeypair.create_and_list_keypairs
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action              | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.create_keypair | 0.706 | 0.754  | 0.859  | 0.881  | 0.904 | 0.766 | 100.0%  | 10    |
| nova.list_keypairs  | 0.021 | 0.458  | 0.489  | 0.492  | 0.495 | 0.412 | 100.0%  | 10    |
| total               | 0.767 | 1.195  | 1.282  | 1.326  | 1.371 | 1.178 | 100.0%  | 10    |
+---------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.66450190544
Full duration: 35.3121151924

test scenario NovaServers.list_servers
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| nova.list_servers | 1.158 | 1.197  | 1.257  | 1.26   | 1.263 | 1.207 | 100.0%  | 10    |
| total             | 1.158 | 1.197  | 1.257  | 1.26   | 1.263 | 1.207 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.67958188057
Full duration: 102.272238016

test scenario NovaServers.resize_server
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server    | 6.482  | 7.414  | 8.638  | 9.129  | 9.619  | 7.594  | 100.0%  | 10    |
| nova.resize         | 12.87  | 13.632 | 13.841 | 14.061 | 14.281 | 13.519 | 100.0%  | 10    |
| nova.resize_confirm | 3.854  | 4.236  | 4.429  | 4.579  | 4.729  | 4.184  | 100.0%  | 10    |
| nova.delete_server  | 2.853  | 3.971  | 4.187  | 4.209  | 4.231  | 3.798  | 100.0%  | 10    |
| total               | 27.866 | 29.013 | 29.93  | 30.646 | 31.361 | 29.095 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 86.1472420692
Full duration: 116.147330999

test scenario NovaServers.boot_server_from_volume_and_delete
+-----------------------------------------------------------------------------------------+
|                                Response Times (sec)                                     |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume | 7.809  | 9.646  | 10.21  | 10.4   | 10.59  | 9.268  | 100.0%  | 10    |
| nova.boot_server     | 7.938  | 9.663  | 10.373 | 10.451 | 10.528 | 9.379  | 100.0%  | 10    |
| nova.delete_server   | 3.263  | 4.164  | 4.323  | 4.341  | 4.359  | 3.965  | 100.0%  | 10    |
| total                | 21.009 | 22.166 | 24.464 | 24.608 | 24.752 | 22.612 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 65.8047540188
Full duration: 133.871994019
```

```
test scenario NovaServers.boot_and_migrate_server
+-------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server   | 6.526  | 7.611  | 9.253  | 9.328  | 9.404  | 7.939  | 100.0%  | 10    |
| nova.stop_server   | 3.956  | 4.801  | 7.753  | 7.839  | 7.924  | 5.676  | 100.0%  | 10    |
| nova.migrate       | 9.278  | 9.686  | 10.387 | 10.401 | 10.415 | 9.75   | 100.0%  | 10    |
| nova.resize_confirm | 3.763  | 4.624  | 4.769  | 4.775  | 4.781  | 4.457  | 100.0%  | 10    |
| nova.delete_server | 3.333  | 3.772  | 4.263  | 4.388  | 4.514  | 3.895  | 100.0%  | 10    |
| total              | 28.369 | 30.746 | 35.217 | 35.664 | 36.111 | 31.718 | 100.0%  | 10    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 95.1431679726
Full duration: 124.915132999

test scenario NovaServers.boot_and_delete_server
+-------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server   | 7.051  | 7.863  | 9.774  | 9.886  | 9.999  | 8.295  | 100.0%  | 10    |
| nova.delete_server | 2.506  | 4.173  | 4.427  | 5.12   | 5.813  | 4.06   | 100.0%  | 10    |
| total              | 10.355 | 11.708 | 14.201 | 15.006 | 15.812 | 12.355 | 100.0%  | 10    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 36.3530268669
Full duration: 92.853083849

test scenario NovaServers.boot_and_rebuild_server
+-------------------------------------------------------------------------------------------+
|                                   Response Times (sec)                                    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action             | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server   | 6.552  | 7.699  | 10.036 | 10.113 | 10.19  | 8.371  | 100.0%  | 10    |
| nova.rebuild_server | 9.522  | 11.78  | 13.651 | 13.906 | 14.162 | 11.746 | 100.0%  | 10    |
| nova.delete_server | 3.327  | 4.064  | 4.61   | 4.82   | 5.03   | 4.065  | 100.0%  | 10    |
| total              | 19.511 | 25.224 | 26.458 | 26.522 | 26.586 | 24.182 | 100.0%  | 10    |
+--------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 73.8343379498
Full duration: 129.419740915

test scenario NovaSecGroup.create_and_list_secgroups
+-------------------------------------------------------------------------------------------------
|                                         Response Times (sec)
+-------------------------------+--------+--------+--------+--------+--------+--------+---------+---
| action                        | min    | median | 90%ile | 95%ile | max    | avg    | success | co
+-------------------------------+--------+--------+--------+--------+--------+--------+---------+---
| nova.create_10_security_groups | 6.563  | 9.397  | 10.161 | 10.173 | 10.185 | 8.839  | 100.0%  | 10
| nova.create_100_rules         | 45.018 | 49.294 | 56.133 | 56.18  | 56.227 | 50.472 | 100.0%  | 10
| nova.list_security_groups     | 0.111  | 0.217  | 0.579  | 0.601  | 0.623  | 0.264  | 100.0%  | 10
| total                         | 52.204 | 58.754 | 65.138 | 65.785 | 66.433 | 59.576 | 100.0%  | 10
+-------------------------------+--------+--------+--------+--------+--------+--------+---------+---
Load duration: 179.173851967
Full duration: 240.213445902

test scenario NovaSecGroup.create_and_delete_secgroups
```

```
+-------------------------------------------------------------------------------------------------------------
|                                          Response Times (sec)
+--------------------------------+--------+--------+--------+--------+--------+--------+---------+---
| action                         | min    | median | 90%ile | 95%ile | max    | avg    | success | co
+--------------------------------+--------+--------+--------+--------+--------+--------+---------+---
| nova.create_10_security_groups | 7.358  | 9.711  | 10.153 | 10.476 | 10.798 | 9.428  | 100.0%  | 10
| nova.create_100_rules          | 47.694 | 51.106 | 54.599 | 55.137 | 55.674 | 51.004 | 100.0%  | 10
| nova.delete_10_security_groups | 1.777  | 3.576  | 4.456  | 4.736  | 5.016  | 3.515  | 100.0%  | 10
| total                          | 59.615 | 63.877 | 66.262 | 66.848 | 67.435 | 63.947 | 100.0%  | 10
+--------------------------------+--------+--------+--------+--------+--------+--------+---------+---
Load duration: 191.541640997
Full duration: 222.269508839

test scenario NovaServers.boot_and_bounce_server
+-------------------------------------------------------------------------------------------------------+
|                                      Response Times (sec)                                             |
+-------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action                  | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+-------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server        | 7.313  | 7.988  | 8.758  | 9.045  | 9.331  | 8.15   | 100.0%  | 10    |
| nova.reboot_server      | 5.889  | 6.906  | 7.056  | 7.078  | 7.101  | 6.624  | 100.0%  | 10    |
| nova.soft_reboot_server | 6.349  | 6.773  | 8.096  | 8.126  | 8.156  | 6.947  | 100.0%  | 10    |
| nova.stop_server        | 4.4    | 5.425  | 6.714  | 7.318  | 7.922  | 5.67   | 100.0%  | 10    |
| nova.start_server       | 2.424  | 4.059  | 5.269  | 5.417  | 5.564  | 4.057  | 100.0%  | 10    |
| nova.rescue_server      | 8.473  | 9.131  | 9.695  | 9.957  | 10.219 | 9.177  | 100.0%  | 10    |
| nova.unrescue_server    | 2.688  | 5.82   | 6.893  | 6.92   | 6.948  | 5.504  | 100.0%  | 10    |
| nova.delete_server      | 3.393  | 3.812  | 4.417  | 4.473  | 4.53   | 3.858  | 100.0%  | 10    |
| total                   | 47.129 | 50.214 | 51.652 | 52.087 | 52.523 | 50.006 | 100.0%  | 10    |
+-------------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 150.170030117
Full duration: 206.320158958

test scenario NovaServers.boot_server
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action           | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| nova.boot_server | 7.775 | 8.214  | 9.964  | 10.061 | 10.157 | 8.648 | 100.0%  | 10    |
| total            | 7.775 | 8.214  | 9.965  | 10.061 | 10.157 | 8.649 | 100.0%  | 10    |
+------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 25.5615310669
Full duration: 72.0356788635

test scenario NovaSecGroup.boot_and_delete_server_with_secgroups
+-------------------------------------------------------------------------------------------------------------
|                                          Response Times (sec)
+----------------------------------+--------+--------+--------+--------+--------+--------+---------
| action                           | min    | median | 90%ile | 95%ile | max    | avg    | success
+----------------------------------+--------+--------+--------+--------+--------+--------+---------
| nova.create_10_security_groups   | 7.852  | 9.225  | 10.298 | 10.398 | 10.498 | 9.327  | 100.0%
| nova.create_100_rules            | 45.734 | 50.042 | 52.231 | 53.454 | 54.678 | 49.891 | 100.0%
| nova.boot_server                 | 5.843  | 6.686  | 7.412  | 7.548  | 7.683  | 6.632  | 100.0%
| nova.get_attached_security_groups | 0.173  | 0.215  | 0.678  | 0.757  | 0.836  | 0.311  | 100.0%
| nova.delete_server               | 2.437  | 2.94   | 3.313  | 3.412  | 3.512  | 2.92   | 100.0%
| nova.delete_10_security_groups   | 2.172  | 3.217  | 4.733  | 5.576  | 6.419  | 3.474  | 100.0%
| total                            | 67.914 | 73.688 | 75.248 | 75.466 | 75.684 | 72.556 | 100.0%
+----------------------------------+--------+--------+--------+--------+--------+--------+---------
```

```
Load duration: 217.134851933
Full duration: 273.106995821

test scenario NovaServers.pause_and_unpause_server
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action              | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| nova.boot_server    | 7.355  | 8.061  | 9.184  | 9.727  | 10.271 | 8.306  | 100.0%  | 10    |
| nova.pause_server   | 2.766  | 3.437  | 3.779  | 3.807  | 3.836  | 3.361  | 100.0%  | 10    |
| nova.unpause_server | 2.762  | 3.685  | 3.988  | 4.013  | 4.037  | 3.492  | 100.0%  | 10    |
| nova.delete_server  | 2.835  | 3.909  | 4.299  | 4.343  | 4.387  | 3.776  | 100.0%  | 10    |
| total               | 16.602 | 18.903 | 20.184 | 20.456 | 20.729 | 18.936 | 100.0%  | 10    |
+---------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 57.0698840618
Full duration: 114.94224596

test scenario NovaServers.boot_server_from_volume
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| action               | min    | median | 90%ile | 95%ile | max    | avg    | success | count |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
| cinder.create_volume | 7.772  | 10.48  | 10.909 | 11.031 | 11.154 | 9.647  | 100.0%  | 10    |
| nova.boot_server     | 8.129  | 9.825  | 11.137 | 11.167 | 11.196 | 9.722  | 100.0%  | 10    |
| total                | 16.389 | 19.221 | 21.482 | 21.884 | 22.285 | 19.369 | 100.0%  | 10    |
+----------------------+--------+--------+--------+--------+--------+--------+---------+-------+
Load duration: 57.2666420937
Full duration: 114.729999065

test scenario NovaServers.boot_and_list_server
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+-------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| action            | min   | median | 90%ile | 95%ile | max    | avg   | success | count |
+-------------------+-------+--------+--------+--------+--------+-------+---------+-------+
| nova.boot_server  | 7.43  | 8.747  | 9.88   | 10.022 | 10.163 | 8.832 | 100.0%  | 10    |
| nova.list_servers | 0.267 | 1.207  | 1.259  | 1.275  | 1.29   | 1.04  | 100.0%  | 10    |
| total             | 8.602 | 9.378  | 11.07  | 11.227 | 11.384 | 9.873 | 100.0%  | 10    |
+-------------------+-------+--------+--------+--------+--------+-------+---------+-------+
Load duration: 29.5450980663
Full duration: 106.656322002

run_rally - INFO - Test scenario: "nova" OK.

run_rally - INFO - Starting test scenario "quotas" ...
run_rally - INFO -
 Preparing input task
 Task  dcebd6f2-6fd1-4d5d-8d66-445030082b6c: started
Task dcebd6f2-6fd1-4d5d-8d66-445030082b6c: finished

test scenario Quotas.cinder_update
+-------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                     |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
```

```
| quotas.update_quotas | 1.163 | 1.265  | 1.531  | 1.556  | 1.581 | 1.345 | 100.0%  | 10    |
| total                | 1.163 | 1.265  | 1.531  | 1.556  | 1.581 | 1.345 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 4.06574201584
Full duration: 14.4119129181

test scenario Quotas.neutron_update
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.498 | 0.56   | 0.589  | 0.591  | 0.593 | 0.558 | 100.0%  | 10    |
| total                | 0.62  | 0.66   | 0.701  | 0.702  | 0.703 | 0.667 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 2.05467915535
Full duration: 11.7390589714

test scenario Quotas.cinder_update_and_delete
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 1.19  | 1.288  | 1.399  | 1.415  | 1.432 | 1.303 | 100.0%  | 10    |
| quotas.delete_quotas | 0.531 | 1.107  | 1.208  | 1.235  | 1.262 | 1.062 | 100.0%  | 10    |
| total                | 1.779 | 2.435  | 2.535  | 2.549  | 2.562 | 2.365 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 7.07872509956
Full duration: 17.2571020126

test scenario Quotas.nova_update_and_delete
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| quotas.update_quotas | 0.669 | 0.708  | 0.732  | 0.745  | 0.757 | 0.703 | 100.0%  | 10    |
| quotas.delete_quotas | 0.02  | 0.508  | 0.557  | 0.558  | 0.559 | 0.466 | 100.0%  | 10    |
| total                | 0.727 | 1.212  | 1.275  | 1.28   | 1.285 | 1.169 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 3.64670991898
Full duration: 13.1532580853

test scenario Quotas.nova_update
+-----------------------------------------------------------------------------------------------+
|                                  Response Times (sec)                                         |
+----------------------+-------+--------+--------+--------+------+-------+---------+-------+
| action               | min   | median | 90%ile | 95%ile | max  | avg   | success | count |
+----------------------+-------+--------+--------+--------+------+-------+---------+-------+
| quotas.update_quotas | 0.652 | 0.726  | 0.761  | 0.766  | 0.77 | 0.722 | 100.0%  | 10    |
| total                | 0.652 | 0.727  | 0.762  | 0.766  | 0.77 | 0.722 | 100.0%  | 10    |
+----------------------+-------+--------+--------+--------+------+-------+---------+-------+
Load duration: 2.22018194199
Full duration: 11.9367260933

run_rally - INFO - Test scenario: "quotas" OK.
```

```
run_rally - INFO - Starting test scenario "requests" ...
run_rally - INFO -
 Preparing input task
 Task  89de006e-a4fd-4526-9211-477075f8e5fc: started
Task 89de006e-a4fd-4526-9211-477075f8e5fc: finished

test scenario HttpRequests.check_random_request
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| requests.check_request | 0.184 | 0.456  | 1.019  | 1.022  | 1.026 | 0.555 | 100.0%  | 10    |
| total                  | 0.184 | 0.456  | 1.02   | 1.023  | 1.026 | 0.555 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 1.69973492622
Full duration: 5.72609114647

test scenario HttpRequests.check_request
+-----------------------------------------------------------------------------------------------+
|                                    Response Times (sec)                                       |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| action                 | min   | median | 90%ile | 95%ile | max   | avg   | success | count |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
| requests.check_request | 0.185 | 0.189  | 0.191  | 0.194  | 0.197 | 0.189 | 100.0%  | 10    |
| total                  | 0.185 | 0.189  | 0.191  | 0.194  | 0.197 | 0.189 | 100.0%  | 10    |
+------------------------+-------+--------+--------+--------+-------+-------+---------+-------+
Load duration: 0.616016864777
Full duration: 4.89253997803

run_rally - INFO - Test scenario: "requests" OK.

run_rally - INFO -

                     Rally Summary Report
+===================+============+===============+===========+
| Module            | Duration   | nb. Test Run  | Success   |
+===================+============+===============+===========+
| authenticate      | 00:35      | 10            | 100.00%   |
+-------------------+------------+---------------+-----------+
| glance            | 02:20      | 7             | 100.00%   |
+-------------------+------------+---------------+-----------+
| cinder            | 19:44      | 50            | 100.00%   |
+-------------------+------------+---------------+-----------+
| heat              | 09:29      | 35            | 100.00%   |
+-------------------+------------+---------------+-----------+
| keystone          | 01:59      | 29            | 100.00%   |
+-------------------+------------+---------------+-----------+
| neutron           | 10:48      | 31            | 100.00%   |
+-------------------+------------+---------------+-----------+
| nova              | 39:36      | 61            | 100.00%   |
+-------------------+------------+---------------+-----------+
| quotas            | 01:08      | 7             | 100.00%   |
+-------------------+------------+---------------+-----------+
| requests          | 00:10      | 2             | 100.00%   |
+-------------------+------------+---------------+-----------+
+===================+============+===============+===========+
| TOTAL:            | 01:25:53   | 232           | 100.00%   |
```

```
+==================+============+===============+===========+
```

3.31 SDN Controller

3.31.1 ODL

```
==============================================================================
Basic
==============================================================================
Basic.010 Restconf OK :: Test suite to verify Restconf is OK
==============================================================================
Get Controller Modules :: Get the controller modules via Restconf     | PASS |
------------------------------------------------------------------------------
Basic.010 Restconf OK :: Test suite to verify Restconf is OK          | PASS |
1 critical test, 1 passed, 0 failed
1 test total, 1 passed, 0 failed
==============================================================================
Basic                                                                 | PASS |
1 critical test, 1 passed, 0 failed
1 test total, 1 passed, 0 failed
==============================================================================
Output:  /home/opnfv/output.xml
Log:     /home/opnfv/log.html
Report:  /home/opnfv/report.html
==============================================================================
Neutron :: Test suite for Neutron Plugin
==============================================================================
Neutron.Networks :: Checking Network created in OpenStack are pushed to Ope...
==============================================================================
Check OpenStack Networks :: Checking OpenStack Neutron for known n... | PASS |
------------------------------------------------------------------------------
Check OpenDaylight Networks :: Checking OpenDaylight Neutron API f... | PASS |
------------------------------------------------------------------------------
Create Network :: Create new network in OpenStack                     | PASS |
------------------------------------------------------------------------------
Check Network :: Check Network created in OpenDaylight                | PASS |
------------------------------------------------------------------------------
Neutron.Networks :: Checking Network created in OpenStack are push... | PASS |
4 critical tests, 4 passed, 0 failed
4 tests total, 4 passed, 0 failed
==============================================================================
Neutron.Subnets :: Checking Subnets created in OpenStack are pushed to Open...
==============================================================================
Check OpenStack Subnets :: Checking OpenStack Neutron for known Su... | PASS |
------------------------------------------------------------------------------
Check OpenDaylight subnets :: Checking OpenDaylight Neutron API fo... | PASS |
------------------------------------------------------------------------------
Create New subnet :: Create new subnet in OpenStack                   | PASS |
------------------------------------------------------------------------------
Check New subnet :: Check new subnet created in OpenDaylight          | PASS |
------------------------------------------------------------------------------
Neutron.Subnets :: Checking Subnets created in OpenStack are pushe... | PASS |
4 critical tests, 4 passed, 0 failed
4 tests total, 4 passed, 0 failed
==============================================================================
Neutron.Ports :: Checking Port created in OpenStack are pushed to OpenDaylight
```

```
==============================================================================
Check OpenStack ports :: Checking OpenStack Neutron for known ports   | PASS |
------------------------------------------------------------------------------
Check OpenDaylight ports :: Checking OpenDaylight Neutron API for ... | PASS |
------------------------------------------------------------------------------
Create New Port :: Create new port in OpenStack                       | PASS |
------------------------------------------------------------------------------
Check New Port :: Check new subnet created in OpenDaylight            | PASS |
------------------------------------------------------------------------------
Neutron.Ports :: Checking Port created in OpenStack are pushed to ... | PASS |
4 critical tests, 4 passed, 0 failed
4 tests total, 4 passed, 0 failed
==============================================================================
Neutron.Delete Ports :: Checking Port deleted in OpenStack are deleted also...
==============================================================================
Delete New Port :: Delete previously created port in OpenStack        | PASS |
------------------------------------------------------------------------------
Check Port Deleted :: Check port deleted in OpenDaylight              | PASS |
------------------------------------------------------------------------------
Neutron.Delete Ports :: Checking Port deleted in OpenStack are del... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
==============================================================================
Neutron.Delete Subnets :: Checking Subnets deleted in OpenStack are deleted...
==============================================================================
Delete New subnet :: Delete previously created subnet in OpenStack    | PASS |
------------------------------------------------------------------------------
Check New subnet deleted :: Check subnet deleted in OpenDaylight      | PASS |
------------------------------------------------------------------------------
Neutron.Delete Subnets :: Checking Subnets deleted in OpenStack ar... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
==============================================================================
Neutron.Delete Networks :: Checking Network deleted in OpenStack are delete...
==============================================================================
Delete Network :: Delete network in OpenStack                         | PASS |
------------------------------------------------------------------------------
Check Network deleted :: Check Network deleted in OpenDaylight        | PASS |
------------------------------------------------------------------------------
Neutron.Delete Networks :: Checking Network deleted in OpenStack a... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
==============================================================================
Neutron :: Test suite for Neutron Plugin                              | PASS |
18 critical tests, 18 passed, 0 failed
18 tests total, 18 passed, 0 failed
```

3.32 Feature tests

3.32.1 Promise

```
FUNCTEST.info: Running PROMISE test case...
Promise- INFO - Creating tenant 'promise'...
Promise- INFO - Adding role 'eed9b04b536646c994679496e7b653cc' to tenant 'promise'...
Promise- INFO - Creating user 'promiser'...
```

```
Promise- INFO - Updating OpenStack credentials...
Promise- INFO - Creating image 'promise-img' from '/home/opnfv/functest/data/cirros-0.3.4-x86_64-disk
Promise- INFO - Creating flavor 'promise-flavor'...
Promise- INFO - Exporting environment variables...
Promise- INFO - Running command: npm run -s test -- --reporter json
Promise- INFO - The test succeeded.
{
  "stats": {
    "suites": 23,
    "tests": 33,
    "passes": 33,
    "pending": 0,
    "failures": 0,
    "start": "2016-02-23T10:44:37.402Z",
    "end": "2016-02-23T10:44:42.006Z",
    "duration": 4604
  },
  "tests": [
    {
      "title": "should add a new OpenStack provider without error",
      "fullTitle": "promise register OpenStack into resource pool add-provider should add a new OpenS
      "duration": 1171,
      "err": {}
    },
    {
      "title": "should update promise.providers with a new entry",
      "fullTitle": "promise register OpenStack into resource pool add-provider should update promise.
      "duration": 7,
      "err": {}
    },
    {
      "title": "should contain a new ResourceProvider record in the store",
      "fullTitle": "promise register OpenStack into resource pool add-provider should contain a new R
      "duration": 1,
      "err": {}
    },
    {
      "title": "should add more capacity to the reservation service without error",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should add more c
      "duration": 29,
      "err": {}
    },
    {
      "title": "should update promise.pools with a new entry",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should update pro
      "duration": 1,
      "err": {}
    },
    {
      "title": "should contain a ResourcePool record in the store",
      "fullTitle": "promise register OpenStack into resource pool increase-capacity should contain a
      "duration": 0,
      "err": {}
    },
    {
      "title": "should report total collections and utilizations",
      "fullTitle": "promise register OpenStack into resource pool query-capacity should report total
      "duration": 23,
```

```
      "err": {}
    },
    {
      "title": "should contain newly added capacity pool",
      "fullTitle": "promise register OpenStack into resource pool query-capacity should contain newly
      "duration": 13,
      "err": {}
    },
    {
      "title": "should create a new server in target provider without error",
      "fullTitle": "promise allocation without reservation create-instance should create a new server
      "duration": 1144,
      "err": {}
    },
    {
      "title": "should update promise.allocations with a new entry",
      "fullTitle": "promise allocation without reservation create-instance should update promise.allo
      "duration": 3,
      "err": {}
    },
    {
      "title": "should contain a new ResourceAllocation record in the store",
      "fullTitle": "promise allocation without reservation create-instance should contain a new Resou
      "duration": 0,
      "err": {}
    },
    {
      "title": "should reference the created server ID from the provider",
      "fullTitle": "promise allocation without reservation create-instance should reference the creat
      "duration": 0,
      "err": {}
    },
    {
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      "title": "should successfully destroy all allocations",
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      "duration": 507,
      "err": {}
    }
  ]
}
```


```
Promise- INFO -
****************************************
          Promise test report

****************************************
 Suites:      23
 Tests:       33
 Passes:      33
 Pending:     0
 Failures:    0
 Start:       2016-02-23T10:44:37.402Z
 End:         2016-02-23T10:44:42.006Z
 Duration:    4.604
****************************************

Promise- INFO - Pushing results to DB...
```