OPNFV Release Note for the Arno release of OPNFV when using Foreman as a deployment tool

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Abstract

This document provides the release notes for Arno release with the Foreman/QuickStack deployment toolchain.

License

All Foreman/QuickStack and "common" entities are protected by the Apache License (http://www.apache.org/licenses/)

Version history

Date	Ver.	Author	Comment
2015-04-16	0.1.0	Tim Rozet	First draft

2015-06-02	0.1.1	Chris Price	Minor Edits
2015-06-03	0.1.2	Tim Rozet	Minor Edits

Important notes

This is the initial OPNFV Arno release that implements the deploy stage of the OPNFV CI pipeline.

Carefully follow the installation-instructions which guide a user on how to deploy OPNFV using Foreman/QuickStack installer.

Summary

Arno release with the Foreman/QuickStack deployment toolchain will establish an OPNFV target system on a Pharos compliant lab infrastructure. The current definition of an OPNFV target system is and OpenStack Juno version combined with OpenDaylight version: Helium. The system is deployed with OpenStack High Availability (HA) for most OpenStack services. OpenDaylight is deployed in non-HA form as HA is not availble for Arno release. Ceph storage is used as Cinder backend, and is the only supported storage for Arno. Ceph is setup as 3 OSDs and 3 Monitors, one OSD+Mon per Controller node.

- Documentation is built by Jenkins

- .iso image is built by Jenkins

- Jenkins deploys an Arno release with the Foreman/QuickStack deployment toolchain baremetal, which includes 3 control+network nodes, and 2 compute nodes.

Release Data

Project	genesis
Repo/tag	genesis/arno.2015.1.0
Release designation	arno.2015.1.0
Release date	2015-06-04
Purpose of the delivery	OPNFV Arno release

Version change

Module version changes

This is the first tracked version of the Arno release with the Foreman/QuickStack deployment toolchain. It is based on following upstream versions:

- OpenStack (Juno release)

- OpenDaylight Helium-SR3

- CentOS 7

Document version changes

This is the first tracked version of Arno release with the Foreman/QuickStack deployment toolchain. The following documentation is provided with this release:

- OPNFV Installation instructions for the Arno release with the Foreman/QuickStack deployment toolchain - ver. 1.0.0

- OPNFV Release Notes for the Arno release with the Foreman/QuickStack deployment toolchain - ver. 1.0.0 (this document)

Feature additions

JIRA REFERENCE	SLOGAN
JIRA: BGS-4	OPNFV base system install using Foreman/Quickstack.

Bug corrections

JIRA TICKETS:

JIRA REFERENCE	SLOGAN

Deliverables

Software deliverables

Foreman/QuickStack@OPNFV .iso file deploy.sh - Automatically deploys Target OPNFV System to Bare Metal

Documentation deliverables

- OPNFV Installation instructions for the Arno release with the Foreman/QuickStack deployment toolchain - ver. 1.0.0
- OPNFV Release Notes for the Arno release with the Foreman/QuickStack deployment toolchain - ver. 1.0.0 (this document)

Known Limitations, Issues and Workarounds

System Limitations

Max number of blades: 1 Foreman/QuickStack master, 3 Controllers, 20 Compute blades

Min number of blades: 1 Foreman/QuickStack master, 1 Controller, 1 Compute blade

Storage: Ceph is the only supported storage configuration.

Min master requirements: At least 2048 MB of RAM

Known issues

JIRA TICKETS:

JIRA REFERENCE	SLOGAN
JIRA: BGS-13	bridge br-ex is not auto configured by puppet

Workarounds

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Test Result

The Arno release with the Foreman/QuickStack deployment toolchain has undergone QA test runs with the following results:

TEST-SUITE	Results:
-	-

References

For more information on the OPNFV Arno release, please see:

http://wiki.opnfv.org/release/arno

Authors: Tim Rozet (trozet@redhat.com)

Version: 0.2

Documentation tracking

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