OPNFV

ZTE SH Pharos Lab Configuration Files

Release brahmaputra.1.0 (f94c874)

OPNFV

August 23, 2016

ZTE SH LAB SPECIFICATION

1.1 Introduction

ZTE SH Pharos lab currently has three PODs available in Shanghai. Each POD has 5 servers, 3 controller nodes and 2 computer nodes. These PODs are dedicated for use by Production/CI. These PODs focus scenarios related with **test** projects, **installer** projects and performance enhancement projects, such as KVM, OVS, FDS, etc.

Scenarios planned are list here:

- os-nosdn-kvm-ha

- os-nosdn-kvm_ovs-ha

Scenarios are defined in Colorado Scenario Status

1.2 Lab Resources

POD Name	Project(s)	PTL(s)	Email(s)	POD Role	Status	Notes
POD1	FUEL	Gregory Elkinbard	gelkin-bard@mirantis.com	CI: latest	Active	Yardstick Funtest Doctor Parser
POD2	FUEL	Gregory Elkinbard	gelkin-bard@mirantis.com	CI: latest	Active	Qtip
POD3	FUEL	Gregory Elkinbard	gelkin-bard@mirantis.com	CI: latest	Active	NFV-KVM OVSNFV

- POD1-3 wiki page

- POD1 jenkins slave

- POD2 jenkins slave

- POD3 jenkins slave

1.3 Acceptable Usage Policy

Resources located in OPNFV ZTE SH lab shall only be used for CI, infra setup/configuration and troubleshooting purposes. No development work is allowed in these PODs.

1.4 Remote Access Infrastructure

ZTE SH lab provide the OpenVPN access for you.

1.5 Remote Access Procedure

Access to this environment can be granted by sending an e-mail to: **yangyang1@zte.com.cn**.

Subject: opnfv zte-pod[1-3] access.

The following information should be provided in the request:

```
Full name:
E-mail:
Organization:
Why is access needed:
How long is access needed:
What specific Host will be accessed:
What support is needed from zte admin:
```

Once access requirment is approved, the instructions for setting up VPN access will be send to you by mail.

1.6 Lab Documentation

1.7 Lab Topology
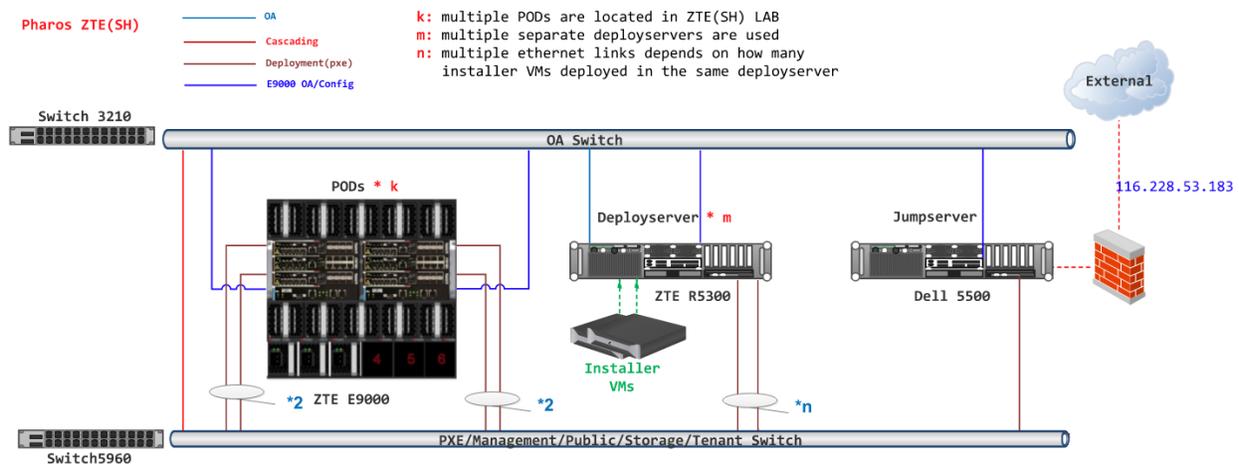
All the PODs share the same **Jump Host** for only one public IP address is allocated for the pharos lab. Deploy servers are separated from Jump Host. Every 2 PODs share one **Deploy Server**.

Jump Host

Hostname	Vendor	Model	Serial Number	CPUs	Memory (GB)	Local Storage	1GbE: NIC#/IP MAC/VLAN/Network	10GbE: NIC#/IP MAC/VLAN/Network	Notes
Rabbit	HP	5500	•	X5647x2	24	250GB SAS 2 TB HDD	IF0: a0:36:9f:00:11:34/ 192.168.1.1/ native vlan/OA IF1: a0:36:9f:00:11:35/ 172.10.0.1/ vlan 103/Public 172.20.0.1/ vlan 113/Public 172.60.0.1/ vlan 163/Public 172.70.0.1/ vlan 173/Public IF2: a0.36:9:00:11:37/ 116.228.53.183/ native vlan/ Internet		

ZTE POD1 SPECIFICATION

2.1 Introduction

POD1(means ZTE-POD1) uses Fuel as the installer and performs os-odl_l2-nofeature-ha CI latest verification. Currently, test projects such as Yardstick, Functest are performing daily CI tasks. Fueature projects such as Doctor, Parser will perform daily and verify CI tasks.

2.2 Additional Requirements

2.3 Server Specifications

Jump Host

POD1 share the same **Jump Host** in the lab.

Deploy server

Host-name	Ven-dor	Model	Se-rial Num-ber	CPUs	Mem-ory (GB)	Local Storage	1GbE: NIC#/IP MAC/VLAN/Network	10GbE: NIC#/IP MAC/VLAN/Network	Notes
Jel-ly-fish	ZTE	R5300	277662506093	E5-2620x2	128	600GB SAS 4 TB HDD	IF0: 74:4a:a4:00:91:b3/ 10.20.6.1/ native vlan/PXE IF1: 74:4a:a4:00:91:b4/ 10.20.7.1/ native vlan/PXE		

Nodes/Servers

Host-name	Ven-dor	Model	Se-rial Num-ber	CPUs	Mem-ory (GB)	Lo-cal Stor-age	Lights-out network (IPMI): IP/MAC, U/P	1GbE: NIC#/IP MAC/VLAN/Network	10GbE: NIC#/IP MAC/VLAN/Network	Notes
node1	ZTE	E9000	281498500142	28	128	600GB HDD	129.5.1.101 4c:09:b4:b2:59:84 zte-root/superuser	enp129s0f0: 4c:09:b4:b2:59:87 vlan 1/PXE vlan 101/management	enp2s0f0: 4c:09:b4:b1:de:38 vlan 1/ public vlan 103/ private enp132s0f0: 4c:09:b4:b1:de:3a vlan 102/ storage	
node2	ZTE	E9000	281498500179	28	128	600GB HDD	129.5.1.22 4c:09:b4:b2:59:f9 zte-root/superuser	enp129s0f0: 4c:09:b4:b2:59:fc vlan 1/PXE vlan 101/management	enp2s0f0: 4c:09:b4:b1:de:40 vlan 1/ public vlan 103/ private enp132s0f0: 4c:09:b4:b1:de:42 vlan 102/ storage	
node3	ZTE	E9000	281498500018	28	128	600GB HDD	129.5.1.3 4c:09:b4:b2:59:9f zte-root/superuser	enp129s0f0: 4c:09:b4:b2:59:a2 vlan 1/PXE vlan 101/management	enp2s0f0: 4c:09:b4:b1:de:1c vlan 1/ public vlan 103/ private enp132s0f0: 4c:09:b4:b1:de:1e vlan 102/ storage	
node4	ZTE	E9000	281498500157	28	128	600GB HDD	129.5.1.4 4c:09:b4:b2:59:d5 zte-root/superuser	enp129s0f0: 4c:09:b4:b2:59:d8 vlan 1/PXE vlan 101/management	enp2s0f0: 4c:09:b4:b1:de:18 vlan 1/ public vlan 103/ private enp132s0f0: 4c:09:b4:b1:de:1a vlan 102/ storage	
node5	ZTE	E9000	281498500111	28	128	600GB HDD	129.5.1.5 4c:09:b4:b2:59:72 zte-root/superuser	enp129s0f0: 4c:09:b4:b2:59:75 vlan 1/PXE vlan 101/management	enp2s0f0: 4c:09:b4:b1:de:48 vlan 1/ public vlan 103/ private enp132s0f0: 4c:09:b4:b1:de:4a vlan 102/ storage	

Subnet allocations

Network name	Address	Mask	Gateway	VLAN id
Public	172.10.0.0	255.255.255.0	172.10.0.1	untagged
Fuel Admin/PXE	10.20.0.0	255.255.255.0	10.20.0.2	native vlan 1
Fuel Mangement	192.168.10.0	255.255.255.0		101
Fuel Storage	192.168.11.0	255.255.255.0		102

2.4 VPN Users

Name	Email	Project	Role	Notes

2.5 Firewall Rules

Port(s)	Service	Note
1194(OpenVPN)	Jenkins	

2.6 POD Topology

POD3-FUEL-BM-SH
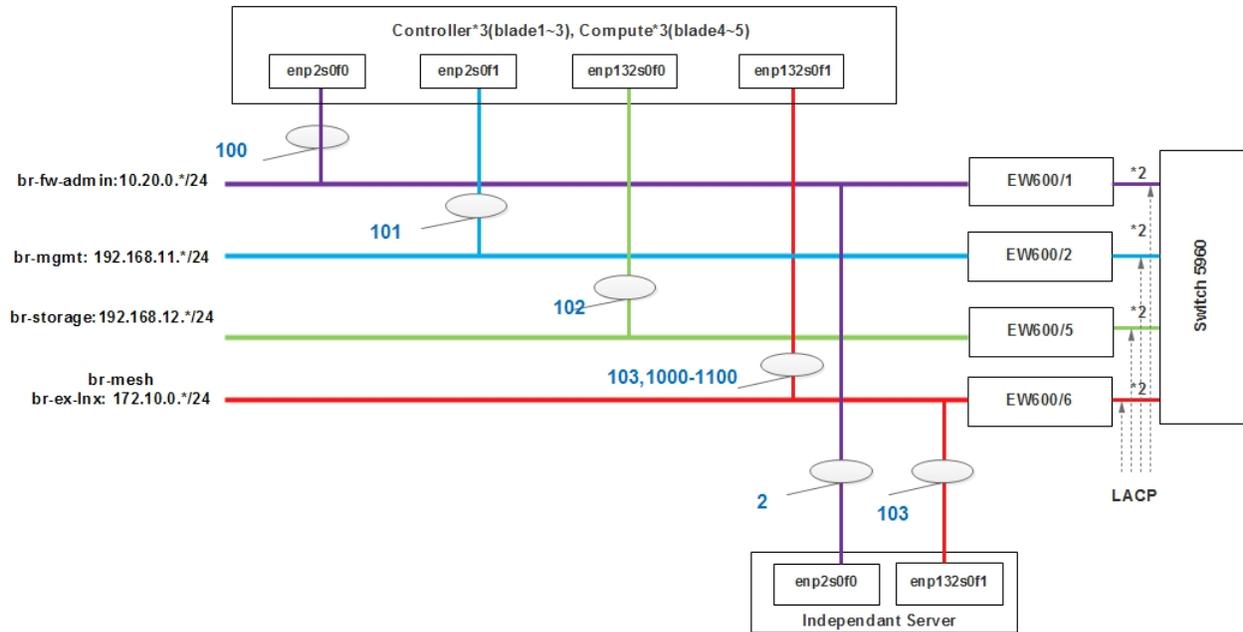
ZTE POD2 SPECIFICATION

3.1 Introduction

POD2(means ZTE-POD2) uses Fuel as the installer and performs os-odl_l2-nofeature-ha CI latest verification. Qtip daily CI task will be migrated from POD1 to POD2. Qtip is also working on integration with Yardstick umbrella project.

3.2 Additional Requirements

3.3 Server Specifications

Jump Host

POD2 share the same **Jump Host** in the lab.

Deploy Server

POD2 share the same **Deploy Server** with POD1.

Host-name	Ven-dor	Model	Se-rial Num-ber	CPUs	Mem-ory (GB)	Local Storage	1GbE: NIC#/IP MAC/VLAN/Network	10GbE: NIC#/IP MAC/VLAN/Network	Notes
Jel-ly-fish	ZTE	R5300	277662506093	E5 2620x2	128	600GB SAS 4 TB HDD	IF0: 74:4a:a4:00:91:b3/ 10.20.6.1/ native vlan/PXE IF1: 74:4a:a4:00:91:b4/ 10.20.7.1/ native vlan/PXE		

Compute Nodes

Host-name	Vendor	Model	Serial Number	CPUs	Memory (GB)	Local Storage	Lights-out network (IPMI): IP/MAC, U/P	1GbE: NIC#/IP MAC/VLAN/Network	10GbE: NIC#/IP MAC/VLAN/Network	Notes
node1	ZTE	E9000	281498550014	2680x2	128	600GB HDD	129.5.1.9 3c:da:2a:e8:01:3a zte-root/superuser	enp129s0f0: 3c:da:2a:e8:01:ed vlan 500/PXE vlan 501/management	enp2s0f0: 3c:da:2a:e9:02:dc vlan 500/ public vlan 503/ private enp132s0f0: 3c:da:2a:e9:02:de vlan 502/ storage	
node2	ZTE	E9000	281498550017	2680x2	128	600GB HDD	129.5.1.10 3c:da:2a:e8:02:49 zte-root/superuser	enp129s0f0: 3c:da:2a:e8:02:4c vlan 500/PXE vlan 501/management	enp2s0f0: 3c:da:2a:e9:02:d0 vlan 500/ public vlan 503/ private enp132s0f0: 3c:da:2a:e9:02:d2 vlan 502/ storage	
node3	ZTE	E9000	281498550008	2680x2	128	600GB HDD	129.5.1.11 3c:da:2a:e8:01:a4 zte-root/superuser	enp129s0f0: 3c:da:2a:e8:01:a7 vlan 500/PXE vlan 501/management	enp2s0f0: 3c:da:2a:e9:02:ec vlan 500/ public vlan 503/ private enp132s0f0: 3c:da:2a:e9:02:ee vlan 502/ storage	
node4	ZTE	E9000	281498550015	2680x2	128	600GB HDD	129.5.1.12 3c:da:2a:e8:01:c7 zte-root/superuser	enp129s0f0: 3c:da:2a:e8:01:ca vlan 500/PXE vlan 501/management	enp2s0f0: 3c:da:2a:e9:02:d4 vlan 500/ public vlan 503/ private enp132s0f0: 3c:da:2a:e9:02:d6 vlan 502/ storage	
node5	ZTE	E9000	281498550011	2680x2	128	600GB HDD	129.5.1.13 3c:da:2a:e8:01:b3 zte-root/superuser	enp129s0f0: 3c:da:2a:e8:01:b6 vlan 500/PXE vlan 501/management	enp2s0f0: 3c:da:2a:e9:02:ac vlan 500/ public vlan 503/ private enp132s0f0: 3c:da:2a:e9:02:ae vlan 502/ storage	

Subnet allocations

Network name	Address	Mask	Gateway	VLAN id
Public	172.30.0.0	255.255.255.0	172.30.0.1	Untagged
Fuel Admin	10.20.1.0	255.255.255.0	10.20.1.1	native vlan 500
Fuel Mangement	192.168.30.0	255.255.255.0		501
Fuel Storage	192.168.31.0	255.255.255.0		502

3.4 VPN Users

Name	Email	Project	Role	Notes

3.5 Firewall Rules

Port(s)	Service	Note
1194(OpenVPN)	Jenkins	

3.6 POD Topology

POD3-FUEL-BM-SH

FOUR
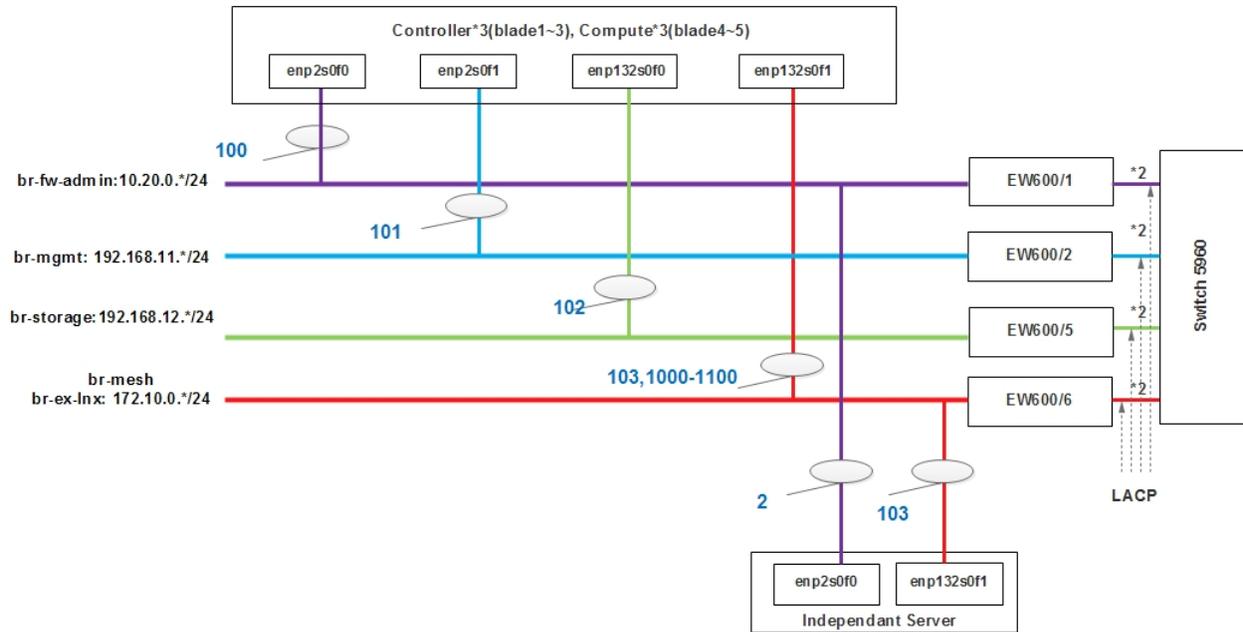
ZTE SH POD3 SPECIFICATION

4.1 Introduction

POD3(means ZTE-POD3) uses Fuel as the installer and performs os-nosdn-kvm-ha CI latest verification. Feature projects like NFV-KVMV, OVSNFV will be run in this POD.

4.2 Additional Requirements

4.3 Server Specifications

Jump Host

POD3 share the same **Jump Host** in the lab.

Deploy Server

Host-name	Ven-dor	Model	Se-rial Num-ber	CPUs	Mem-ory (GB)	Local Storage	1GbE: NIC#/IP MAC/VLAN/Network	10GbE: NIC#/IP MAC/VLAN/Network	Notes
Spi-der	ZTE	R5300	210077380607 2609	E5 x1	32	600GB SAS 1.2TB SCSI	IF0: 74:4a:a4:00:21:0b/ 10.20.0.1/ native vlan/PXE IF1: 74:4a:a4:00:21:0c/ 10.20.1.1/ native vlan/PXE		

Compute Nodes

Host-name	Ven-dor	Model	Se-rial Num-ber	CPUs	Mem-ory (GB)	Lo-cal Stor-age	Lights-out network (IPMI): IP/MAC, U/P	1GbE: NIC#/IP MAC/VLAN/Network	10GbE: NIC#/IP MAC/VLAN/Network	Notes
node1	ZTE	E9000	2890165000263	E5-2670x2	64	600GB HDD	192.168.1.32 0c:12:62:e4:bf:de zte-root/superuser		enp2s0f0: 74:4a:a4:00:0b:85 vlan 100/ Admin(PXE) enp2s0f1: 74:4a:a4:00:0b:86 vlan 101/ mgmt enp132s0f0: 74:4a:a4:00:0b:87 vlan 102/ storage enp132s0f1: 74:4a:a4:00:0b:88 vlan 103/ public vlan 1020/ private	
node2	ZTE	E9000	2890165000167	E5-2670x2	64	600GB HDD	192.168.1.33 0C:12:62:E4:C0:33 zte-root/superuser		enp2s0f0: 74:4a:a4:00:5c:5d vlan 100/ Admin(PXE) enp2s0f1: 74:4a:a4:00:5c:5e vlan 101/ mgmt enp132s0f0: 74:4a:a4:00:5c:5f vlan 102/ storage enp132s0f1: 74:4a:a4:00:5c:60 vlan 103/ public vlan 1020/ private	
node3	ZTE	E9000	2890165000063	E5-2670x2	64	600GB HDD	192.168.1.34 74:4A:A4:00:30:93 zte-root/superuser		enp2s0f0: 74:4a:a4:00:5c:35 vlan 100/ Admin(PXE) enp2s0f1: 74:4a:a4:00:5c:36 vlan 101/ mgmt enp132s0f0: 74:4a:a4:00:5c:37 vlan 102/ storage enp132s0f1: 74:4a:a4:00:5c:38 vlan 103/ public vlan 1020/ private	
node4	ZTE	E9000	2890165000165	E5-2670x2	64	600GB HDD	192.168.1.35 0C:12:62:E4:C0:42 zte-root/superuser		enp2s0f0: 74:4a:a4:00:5c:69 vlan 100/ Admin(PXE) enp2s0f1: 74:4a:a4:00:5c:6a vlan 101/ mgmt enp132s0f0: 74:4a:a4:00:5c:6b vlan 102/ storage enp132s0f1: 74:4a:a4:00:5c:6c vlan 103/ public vlan 1020/ private	
node5	ZTE	E9000	2890165000164	E5-2670x2	64	600GB HDD	192.168.1.36 74:4A:A4:00:30:43 zte-root/superuser		enp2s0f0: 74:4a:a4:00:5c:6d vlan 100/ Admin(PXE) enp2s0f1: 74:4a:a4:00:5c:6e vlan 101/ mgmt enp132s0f0: 74:4a:a4:00:5c:6f vlan 102/ storage enp132s0f1: 74:4a:a4:00:5c:70 vlan 103/ public vlan 1020/ private	

Subnet allocations

Network name	Address	Mask	Gateway	VLAN id
Public	172.10.0.0	255.255.255.0	172.10.0.1	103
Fuel Admin/PXE	10.20.0.0	255.255.255.0	10.20.0.1	native valn 100
Fuel Mangement	192.168.11.0	255.255.255.0		101
Fuel Storage	192.168.12.0	255.255.255.0		102

4.4 VPN Users

Name	Email	Project	Role	Notes

4.5 Firewall Rules

Port(s)	Service	Note
5000(OpenVPN)	Jenkins	

4.6 POD Topology

POD3-FUEL-BM-SH