

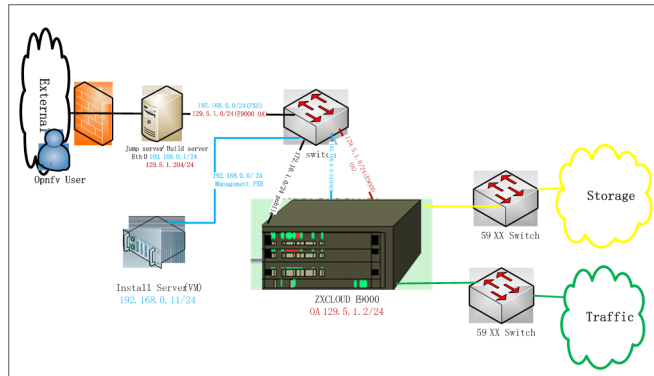
ZTE OPNFV Testlab

Overview

ZTE is hosting an OPNFV testlab at NanJing facility. The testlab would host baremetal servers for the use of OPNFV community as part of the OPNFV Pharos Project.

The ZTE Testlab consists of 1 POD

- POD for Fuel



The POD consists of 8 servers that consist of

- 3 Servers for Control Nodes
- 3 Servers for Compute Nodes
- 2 Servers for spare

Hardware details

POD-Fuel

The specifications for the servers within POD can be found below:

Hostname	Model	Memory	Storage	Processor	Socket
Fuel Jump Server	ZTE 4300	32 GB	600GB HDD	Intel Xeon E5-2680	2
Node1	E9000	128 GB	600GB HDD	Intel Xeon E5-2680	2
Node2	E9000	128 GB	600GB HDD	Intel Xeon E5-2680	2
Node3	E9000	128 GB	600GB HDD	Intel Xeon E5-2680	2
Node4	E9000	128 GB	600GB HDD	Intel Xeon E5-2680	2
Node5	E9000	128 GB	600GB HDD	Intel Xeon E5-2680	2
Node6	E9000	128 GB	600GB HDD	Intel Xeon E5-2680	2
Node7	E9000	128 GB	600GB HDD	Intel Xeon E5-2680	2

Node8	E9000	128 GB	600GB HDD	Intel Xeon E5-2680	2
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The specifications for the Network Interfaces of servers within POD can be seen below:

Hostname	NIC Model	Ports	MAC	BW	Roles
Fuel Jump	1, RTL8111/8168/8411	enp8s0	98:f5:37:e1:b4:10	10G	mgmt
		enp9s0	98:f5:37:e1:b4:10	10G	Public
	2, Intel 82599	enp3s0	90:e2:ba:8b:08:16	10G	Unused
		enp3s1	90:e2:ba:8b:08:16	10G	Unused
Node10	1, Intel 82599	eth0	4c:09:b4:b1:de:10	10G	Public
		eth1	4c:09:b4:b1:de:10	10G	Public
	2, Intel 82599	eth2	4c:09:b4:b1:de:10	10G	storage
		eth3	4c:09:b4:b1:de:10	10G	storage
	3, Intel I350	eth4	4c:09:b4:b2:59:10	10G	Admin/mgmt
		eth5	4c:09:b4:b2:59:10	10G	Unused
Node11	1, Intel 82599	eth0	4c:09:b4:b1:de:13	10G	Public
		eth1	4c:09:b4:b1:de:13	10G	Public
	2, Intel 82599	eth2	4c:09:b4:b1:de:13	10G	Storage
		eth3	4c:09:b4:b1:de:13	10G	Storage
	3, Intel I350	eth4	4c:09:b4:b2:5a:10	10G	Admin/mgmt
		eth5	4c:09:b4:b2:5a:10	10G	Unused
Node12	1, Intel 82599	eth0	4c:09:b4:b1:de:10	10G	Public
		eth1	4c:09:b4:b1:de:10	10G	Public
	2, Intel 82599	eth2	4c:09:b4:b1:de:10	10G	storage
		eth3	4c:09:b4:b1:de:10	10G	storage
	3, Intel I350	eth4	4c:09:b4:b2:59:10	10G	Admin/mgmt
		eth5	4c:09:b4:b2:59:10	10G	Unused
Node4	1, Intel 82599	eth0	4c:09:b4:b1:de:10	10G	Public
		eth1	4c:09:b4:b1:de:10	10G	Public
	2, Intel 82599	eth2	4c:09:b4:b1:de:10	10G	storage
		eth3	4c:09:b4:b1:de:10	10G	storage
	3, Intel I350	eth4	4c:09:b4:b2:59:10	10G	Admin/mgmt
		eth5	4c:09:b4:b2:59:10	10G	Unused
Node5	1, Intel 82599	eth0	4c:09:b4:b1:de:12	10G	Public
		eth1	4c:09:b4:b1:de:12	10G	Public
	2, Intel 82599	eth2	4c:09:b4:b1:de:12	10G	storage
		eth3	4c:09:b4:b1:de:12	10G	storage
	3, Intel I350	eth4	4c:09:b4:b2:59:10	10G	Admin/mgmt
		eth5	4c:09:b4:b2:59:10	10G	Unused

Node6	1, Intel 82599	eth0	4c:09:b4:b1:de140c	Public
		eth1	4c:09:b4:b1:de140c	Public
	2, Intel 82599	eth2	4c:09:b4:b1:de140c	storage
		eth3	4c:09:b4:b1:de140c	storage
	3, Intel I350	eth4	4c:09:b4:b2:591f0c	Admin/mgmt
		eth5	4c:09:b4:b2:591f0c	Unused
Node13	1, Intel 82599	eth0	4c:09:b4:b1:de138c	Public
		eth1	4c:09:b4:b1:de138c	Unused
	2, Intel 82599	eth2	4c:09:b4:b1:de138c	storage
		eth3	4c:09:b4:b1:de138c	storage
	3, Intel I350	eth4	4c:09:b4:b2:59180c	Admin/mgmt
		eth5	4c:09:b4:b2:59180c	Unused
Node14	1, Intel 82599	eth0	4c:09:b4:b1:de140c	Public
		eth1	4c:09:b4:b1:de140c	Unused
	2, Intel 82599	eth2	4c:09:b4:b1:de140c	storage
		eth3	4c:09:b4:b1:de140c	storage
	3, Intel I350	eth4	4c:09:b4:b2:59170c	Admin/mgmt
		eth5	4c:09:b4:b2:59170c	Unused

Software

The Jump servers in the Testlab are pre-provisioned with the following software:

- **Fuel-Jump Server:**

1. OS: CentOS
2. Preprovisioned softwares: KVM, VNC server

Networks

POD-Fuel Diagram



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	192.168.0.0	255.255.255.0	192.168.0.1	Untagged
Fuel Mangement	192.168.11.0	255.255.255.0		101
Fuel Storage	192.168.12.0	255.255.255.0		102

Lights out Network

POD

All nodes can log in by fuel.

Hostname	Lights-out address	MAC	Username	Password
Fuel-Jump	58.213.14.182:5902(ssh)	90:e2:ba:8b:08:65	opnfv	
Node4	192.168.0.7	06:9d:69:13:5f:45		
Node5	192.168.0.8	32:9b:c4:da:10:4c		
Node6	192.168.0.6	46:18:c4:74:cf:40		
Node10	192.168.0.4	be:d0:49:d4:06:42		
Node11	192.168.0.3	a2:d5:c1:bb:2b:49		
Node12	192.168.0.2	62:08:00:cd:4c:43		
Node13	192.168.0.9	4c:09:b4:b2:59:87		
Node14	172.18.1.106	4c:09:b4:b2:59:75		

Remote access infrastructure

The ZTE OPNFV testlab is free to use for the OPNFV community.

A VPN is used to provide access to the ZTE Testlab. Details can be found in *ZTE OPNFV-lab Access* document (Attach link)

To access the Testlab, please contact wu.zhihui1@zte.com.cn with the following details:

- Name
- Organization
- Purpose of using the lab

Processing the request can take 2-3 business days.

Accessing the Jump Server

The credentials for accessing the Jump ,please contact wu.zhihui1@zte.com.cn