## How to know components IP for Scale IO

### Scale IO hosts

The scale IO hosts were also previsioned by fuel, thus simply use:

root@fuel # fuel node

Then we could know scale IO hosts’ hostname and IP addresses in fuel\_ctrl\_sp.

### Scale IO roles

The roles for scale IO could be checked in:

fuel: /mnt/cee\_config/config.yaml

#### NIC check:

|  |
| --- |
| - &DELL\_SIO\_nic\_assignment\_custom  control0: "0000:03:00.0"  control1: "0000:03:00.1"  data0: "0000:81:00.0"  data1: "0000:81:00.1"  storage0: "0000:01:00.0"  storage1: "0000:01:00.1" |

Correspond to scaleio host:

|  |
| --- |
| root@scaleio-0-2050:~# lshw -c network -businfo  Bus info Device Class Description  ============================================================  pci@0000:03:00.0 eth2 network Ethernet 10G 2P X520 Adapter  pci@0000:03:00.1 eth3 network Ethernet 10G 2P X520 Adapter  pci@0000:01:00.0 eth0 network 82599ES 10-Gigabit SFI/SFP+ Network Connection  pci@0000:01:00.1 eth1 network 82599ES 10-Gigabit SFI/SFP+ Network Connection  pci@0000:05:00.0 eth6 network I350 Gigabit Network Connection  pci@0000:05:00.1 eth7 network I350 Gigabit Network Connection  pci@0000:81:00.0 eth4 network Ethernet 10G 2P X520 Adapter  pci@0000:81:00.1 eth5 network Ethernet 10G 2P X520 Adapter  eth1.53 network Ethernet interface  eth0.53 network Ethernet interface  br-mgmt network Ethernet interface  br-fw-admin network Ethernet interface  ovs-system network Ethernet interface  eth0.19 network Ethernet interface  br-fake network Ethernet interface  bond-migration network Ethernet interface  eth1.20 network Ethernet interface |

#### Role check via config.yaml :

root@(VZ3N-1)fuel ~ # grep roles /mnt/cee\_config/config.yaml -A9 -B2

|  |
| --- |
| shelf:  -  id: 0 # all scaleio were in shelf 0  blade:  -  id: 2050 # host id, correspond to scaleio-0-2050  blade\_mgmt:  ip: 129.31.53.205 # IP for iDrac of the host  name: subrack\_ctrl\_sp  passwd: calv1n # credential for idrac  username: root # credential for idrac  nic\_assignment: \*DELL\_SIO\_nic\_assignment\_custom  scaleio:  mode: dedicated  roles:  mdm: "Master" # intial Master mdm  gw:  sds:  - protection\_domain: 'SET2\_VZ3N-1\_domain1' # protection\_domain name  faultset: 'fs1'  devices:  - name: '/dev/sdb'  pool: 'SET2\_VZ3N-1\_pool1'  - name: '/dev/sdc'  pool: 'SET2\_VZ3N-1\_pool1'  - name: '/dev/sdd'  pool: 'SET2\_VZ3N-1\_pool1'  - name: '/dev/sde'  pool: 'SET2\_VZ3N-1\_pool1'  - name: '/dev/sdf'  pool: 'SET2\_VZ3N-1\_pool1'  - name: '/dev/sdg'  pool: 'SET2\_VZ3N-1\_pool1'  - name: '/dev/sdh'  pool: 'SET2\_VZ3N-1\_pool1'  - name: '/dev/sdi'  pool: 'SET2\_VZ3N-1\_pool1'  - name: '/dev/sdj'  pool: 'SET2\_VZ3N-1\_pool1' |

#### Role check via CSV topology file, which was created for scale IO deployment with installation manager

root@(VZ3N-1)fuel ~ # ll S\*.csv

-rw-r--r-- 1 root root 4465 Oct 7 12:14 ScaleIO-V2.0\_Topology.csv

#### Role check via scli --query\_cluster

root@scaleio-0-2050:~# scli --mdm\_ip 129.6.68.7 --query\_cluster

example:

Cluster:

Mode: 5\_node, State: Normal, Active: 5/5, Replicas: 3/3

**Master MDM:**

ID: 0x738b4b6552e37ec1

IPs: 10.8.52.7, 10.9.52.7, Management IPs: 129.6.68.7, Port: 9011

Version: 2.0.7120

**Slave MDMs:**

ID: 0x46b5d59e29857b02

IPs: 10.9.52.1, 10.8.52.1, Management IPs: 129.6.68.1, Port: 9011

Status: Normal, Version: 2.0.7120

ID: 0x458ac246539ae9f0

IPs: 10.9.52.4, 10.8.52.4, Management IPs: 129.6.68.4, Port: 9011

Status: Normal, Version: 2.0.7120

**Tie-Breakers:**

ID: 0x25dd92764f8f2364

IPs: 10.9.52.3, 10.8.52.3, Port: 9011

Status: Normal, Version: 2.0.7120

ID: 0x577ee0da24d5d493

IPs: 10.9.52.12, 10.8.52.12, Port: 9011

Status: Normal, Version: 2.0.7120

**Standby MDMs:**

ID: 0x1f84d36874fc1e15, Manager

IPs: 10.9.52.11, 10.8.52.11, Management IPs: 129.6.68.11, Port: 9011

ID: 0x7d8768941e13ea76, Tie Breaker

IPs: 10.8.52.5, 10.9.52.5, Port: 9011

root@scaleio-0-2050:~#

## How to login to MDM for scli command execution

## How to install and connect to scaleIO with GUI

### Installation

Download client from: <http://www.emc.com/products-solutions/trial-software-download/scaleio.htm>

The windows package includes the GUI client on windows

You may need to install 64 bit java from here: <http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html>

### Port forwarding

1. Do local port forwarding xxxx from localhost to egw🡪ssg🡪vnc : 22
2. Do local port forwarding yyyy via 1 via vnc 🡪 fuel: 22
3. Do local port forwarding zzzz via 2 via fuel 🡪 VIP of br-mgmt IP :6611(MDM Mgmt IP range)

### Connecting

* Open EMC ScaleIO GUI
* Login with address : 127.0.0.1:zzzz user: Admin password: Cluster1!



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