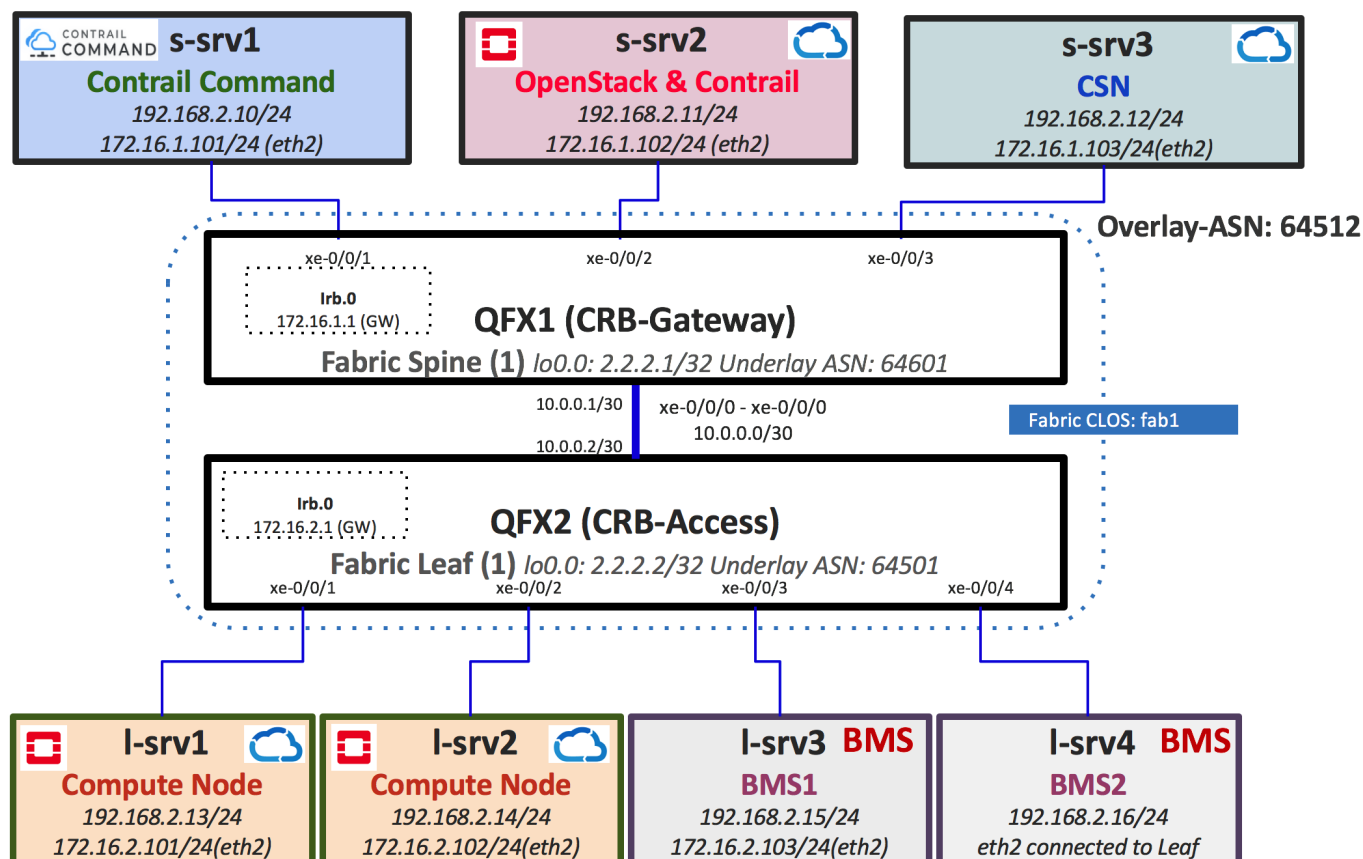




# Installation of Contrail Command

Please follow below instructions for Contrail command installation. AT the end you will find whole Contrail Command install recorded CLI session.

Here is CEM topology diagram and this use-case covers Contrail Command Installation using 5.0.1 GA code.



## Contrail Command 5.0.1 GA Procedure

For Contrail Command GA please follow following steps:

- Install Docker

```
yum install -y yum-utils device-mapper-persistent-data lvm2
yum-config-manager --add-repo
https://download.docker.com/linux/centos/docker-ce.repo
yum install -y docker-ce
systemctl start docker
```

- Setup insecure registry for internal docker registry. This step is not required for "hub.juniper.net"

```
vi /etc/docker/daemon.json
```

```
# Add following line to the file
{"insecure-registries": ["ci-repo.englab.juniper.net:5010"]}

# Svae changes & restart docker
systemctl restart docker
```

- Download reference "command\_servers.html" and update the config as per your environment.

```
cd /opt
wget https://raw.githubusercontent.com/qarham/cfm-
vagrant/master/docs/scripts/command_servers.yml

# Now please make changes in config file
vi command_servers.yml
```

- Internal Repo

```
# Use following command for internal registry
docker pull ci-repo.englab.juniper.net:5010/contrail-command-deployer:5.0-
214

docker run -t --net host -v /opt/command_servers.yml:/command_servers.yml
-d --privileged --name contrail_command_deployer ci-
repo.englab.juniper.net:5010/contrail-command-deployer:5.0-214
```

- External Repo "hub.juniper.net"

```
# For external use following steps
docker login hub.juniper.net/contrail
# Provide username/password
# Once login pull Contrail Command image using
docker pull hub.juniper.net/contrail/contrail-command-deployer:5.0.1-0.214

# After that please use following command to bring contrail command up.
docker run -t --net host -v /opt/command_servers.yml:/command_servers.yml
-d --privileged --name contrail_command_deployer
hub.juniper.net/contrail/contrail-command-deployer:5.0.1-0.214
```

**Note** Reference [Contrail Command Servers File](#)

Now to check the progress of installation use "docker log" command

```
docker logs -f contrail_command_deployer
```

## Here is recorded screen session for Contrail Command Installation

```
[root@srv1 ~]# # Login to "hub.juniper.net"
[root@srv1 ~]# docker login hub.juniper.net/contrail
Authenticating with existing credentials...
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
[root@srv1 ~]# # Please use your credentials for login , I am already logged in
[root@srv1 ~]# # Download Contrail Command Deployer image
[root@srv1 ~]# docker pull hub.juniper.net/contrail/contrail-command-deployer:5.0.1-0.214
5.0.1-0.214: Pulling from contrail/contrail-command-deployer
0ffa5ac9f3c5: Pull complete
6693ec09d692: Pull complete
159a8c51ab3f: Pull complete
77651316afaf: Pull complete
5fa0f6a8f46e: Pull complete
7b8f81ccale6: Pull complete
fd50882c6889: Pull complete
2040c5f3e573: Pull complete
6b1a2c3c2aa7: Pull complete
e4789d8638d2: Pull complete
ec408eb7b708: Pull complete
f96e3fc8374e: Pull complete
e2353c6fd6fa: Pull complete
eed24e426ed9: Pull complete
Digest: sha256:284c744c6a8403ab7e6f4453a9f2a195401b3e4f91fd9c7b575b8707872713a2
Status: Downloaded newer image for hub.juniper.net/contrail/contrail-command-deployer:5.0.1-0.214
[root@srv1 ~]#
[root@srv1 ~]#
[root@srv1 ~]# # Let's download command_servers.html
[root@srv1 ~]# wget https://raw.githubusercontent.com/qarham/cfm-vagrant/master/docs/scripts/command_servers.yml
--2018-09-13 22:29:40-- https://raw.githubusercontent.com/qarham/cfm-vagrant/master/docs/scripts/command_servers.yml
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 151.101.0.133, 151.101.64.133, 151.101.128.133, ...
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|151.101.0.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 6049 (5.9K) [text/plain]
Saving to: 'command_servers.yml'

100%[=====] 6,049 --.-K/s in 0s

2018-09-13 22:29:40 (68.6 MB/s) - 'command_servers.yml' saved [6049/6049]

[root@srv1 ~]#
```

## Contrail Command GUI Access

After installation please use following URL for Contrail Command UI access.

- <https://192.168.2.10:9091>
  - Username/Password: admin/contrail123

## References

- <https://github.com/Juniper/contrail-ansible-deployer/wiki>
- <https://github.com/qarham/cfm-vagrant>