

(cmd) Create a Provider Port

Friday, March 1, 2019 3:29 PM

Get the name of the instance the port will belong to:

```
# openstack server list -c Name -c Networks
+-----+-----+
| Name                                     | Networks                                     |
+-----+-----+
| mdt-test-mdt-test-cb5azrswivc5         | VLAN1457=143.215.76.206                     |
| bacula3-dev                             | ecs-metadata=192.168.102.22, 143.215.76.198 |
| bacula2-dev                             | ecs-metadata=192.168.102.14, 143.215.76.200 |
| bacula1-dev                             | ecs-metadata=192.168.102.17, 143.215.76.195 |
| bacula0-dev                             | ecs-metadata=192.168.102.10, 143.215.76.185 |
| debian-minion                           | ecs-metadata=192.168.102.9                  |
| ubuntu-minion                           | ecs-metadata=192.168.102.5, 143.215.76.183 |
| brad-test01                             | ecs-metadata=192.168.102.20, 143.215.76.197 |
| angie_vdi                               | ecs-metadata=192.168.102.15, 143.215.76.169 |
| ecs-nfsd-dev-1                       | ecs-metadata=192.168.102.12               |
| ecs-mysqld-dev-1                       | ecs-metadata=192.168.102.16                 |
| ecs-httpd-dev-1                       | ecs-metadata=192.168.102.7                  |
| migserver                               | ecs-metadata=192.168.102.13, 143.215.76.187 |
| bosun                                   | VLAN1457=143.215.76.159; Vlan2519=172.23.19.11; ecs-metadata=192.168.102.8 |
| rhevm                                   | VLAN1457=143.215.76.167; external=172.31.16.77 |
| cloudforms                             | external=172.31.16.73, 143.215.76.172     |
+-----+-----+
```

Create a port on the external network for that instance:

```
$ openstack port create --network VLAN1457 --fixed-ip subnet=,ip-address=143.215.76.214 ecs-nfsd-dev-1
```

We need to get the MAC of the newly created port:

```
$ openstack port show ecs-nfsd -c mac_address
```

```
1 +-----+-----+
2 | Field          | Value                                     |
3 +-----+-----+
4 | mac_address    | fa:16:3e:77:d7:5b                       |
5 +-----+-----+
```

Admin:

An admin with access to gtipam.dns.gatech.edu will need to take that mac and assign an IP to it.

Attach the port to the instance:

```
$ openstack server add port ecs-nfsd-dev-1 ecs-nfsd
```

Confirm the port is attached:

```
# openstack server list -c Name -c Networks
+-----+-----+
| Name                                     | Networks                                     |
+-----+-----+
| mdt-test-mdt-test-cb5azrswivc5         | VLAN1457=143.215.76.206                     |
| bacula3-dev                             | ecs-metadata=192.168.102.22, 143.215.76.198 |
| bacula2-dev                             | ecs-metadata=192.168.102.14, 143.215.76.200 |
| bacula1-dev                             | ecs-metadata=192.168.102.17, 143.215.76.195 |
| bacula0-dev                             | ecs-metadata=192.168.102.10, 143.215.76.185 |
| debian-minion                           | ecs-metadata=192.168.102.9                  |
| ubuntu-minion                           | ecs-metadata=192.168.102.5, 143.215.76.183 |
| brad-test01                             | ecs-metadata=192.168.102.20, 143.215.76.197 |
| angie_vdi                               | ecs-metadata=192.168.102.15, 143.215.76.169 |
| ecs-nfsd-dev-1                       | VLAN1457=143.215.76.214; ecs-metadata=192.168.102.12 |
| ecs-mysqld-dev-1                       | ecs-metadata=192.168.102.16                 |
| ecs-httpd-dev-1                       | ecs-metadata=192.168.102.7                  |
| migserver                               | ecs-metadata=192.168.102.13, 143.215.76.187 |
| bosun                                   | VLAN1457=143.215.76.159; Vlan2519=172.23.19.11; ecs-metadata=192.168.102.8 |
+-----+-----+
```

```
| rhevm | VLAN1457=143.215.76.167; external=172.31.16.77 |
| cloudforms | external=172.31.16.73, 143.215.76.172 |
+-----+-----+
```

Admin:

At this point, while openstack has added the interface to the server, the Operating System probably won't automatically start it. If it's a linux OS you won't even have a configuration file yet.