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How to use external DHCP server for an instance in a neutron provider network

🔒 SOLUTION VERIFIED - Updated June 30 2020 at 12:57 AM - English ▾

Environment

- Red Hat OpenStack Platform 16.0 (RHOSP)
- Red Hat OpenStack Platform 15.0 (RHOSP)
- Red Hat OpenStack Platform 14.0 (RHOSP)
- Red Hat OpenStack Platform 13.0 (RHOSP)
- Red Hat OpenStack Platform 12.0 (RHOSP)
- Red Hat OpenStack Platform 11.0 (RHOSP)
- Red Hat OpenStack Platform 10.0 (RHOSP)
- Red Hat OpenStack Platform 9.0 (RHOSP)
- Red Hat OpenStack Platform 8.0 (RHOSP)
- Red Hat OpenStack Platform 7.0 (RHOSP)

Issue

- How to get an instance to use an external dhcp server
- vm on external dhcp server
- Use external dhcp server instead of having dhcp enabled in the neutron network
- instance external dhcp
- Instance in tenant network has a fixed ip from the external network.
- port security
- port_security
- port-security

Resolution

- You will have to disable security groups on that port with :

```
[stack@rh-director ~]$ neutron port-update --no-security-groups fb2d64f5-3ef3-4a86-9650-c8695d42a82e
Updated port: fb2d64f5-3ef3-4a86-9650-c8695d42a82e
```

- As well as disable anti spoofing rules on the neutron port associated with the VM's interface.

```
[stack@rh-director ~]$ neutron port-update fb2d64f5-3ef3-4a86-9650-c8695d42a82e --port-security-enabled=False
Updated port: fb2d64f5-3ef3-4a86-9650-c8695d42a82e
```

- may need to set port_security driver to be able to use this feature: /etc/neutron/plugins/ml2/ml2_conf.ini): For example:

```
[ml2]
extension_drivers = port_security
```

Product(s) Red Hat OpenStack Platform **Component** neutron

Tags configuration documentation network networking openstack OpenStack director virtualization virtual_machine vlan vm

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