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kolla-ansible Network QoS

configuration

globals.yml

```
enable_neutron_qos: "yes"
```

ml2_conf.ini extension_drivers qos 가

```
[ml2]
extension_drivers = port_security,qos
```

/ .

QoS

QoS .

```
$ openstack network qos policy list
```

myproject bw-limiter QoS .

```
openstack network qos policy create --share --project myproject bw-limiter
```

QoS	50000 kbps	bw-limiter
	. ingress egress	In/Out

```
$ openstack network qos rule create --type bandwidth-limit \
--max-kbps 50000 --max-burst-kbits 50000 --ingress bw-limiter
```

```
$ openstack network qos rule create --type bandwidth-limit \
--max-kbps 50000 --max-burst-kbits 50000 --egress bw-limiter
```

```
$ openstack port create --qos-policy bw-limiter --network vmnet0 port2
```

```
$ openstack port set --qos-policy bw-limiter port1
```

```
$ openstack network qos policy show bw-limiter
```

```
+-----+-----+
-----+
| Field          | Value
|
+-----+-----+
-----+
| description    |
| id             | 8491547e-add1-4c6c-a50e-42121237256c
| is_default     | False
| name           | bw-limiter
| project_id     | 98a2f53c20ce4d50a40dac4a38016c69
| revision_number | 4
| rules          | [{u'max_kbps': 50000, u'direction': u'egress',
|                  |   u'type': u'bandwidth_limit',
|                  |   u'id': u'0db48906-a762-4d32-8694-3f65214c34a6',
|                  |   u'max_burst_kbps': 50000,
|                  |   u'qos_policy_id': u'8491547e-add1-4c6c-
a50e-42121237256c'},
|                  |   [{u'max_kbps': 50000, u'direction': u'ingress',
|                  |     u'type': u'bandwidth_limit',
|                  |     u'id': u'faabef24-e23a-4fdf-8e92-f8cb66998834',
|                  |     u'max_burst_kbps': 50000,
```

```

|          | u'qos_policy_id': u'8491547e-add1-4c6c-
a50e-42121237256c'}}] |
| shared   | False
|
+-----+-----+
-----+

```

\$ openstack port show port1

```

+-----+-----+
-----+
| Field          | Value
|
+-----+-----+
-----+
| admin_state_up | UP
|
| allowed_address_pairs | ip_address='192.0.2.128',
mac_address='fa:16:3e:e1:eb:73'
| binding_host_id   | compute-2.redhat.local
|
| binding_profile   |
|
| binding_vif_details | port_filter='True'
|
| binding_vif_type  | ovs
|
| binding_vnic_type | normal
|
| created_at        | 2022-07-04T19:07:56
|
| data_plane_status | None
|
| description       |
|
| device_id         | 53abd2c4-955d-4b44-b6ad-f106e3f15df0
|
| device_owner      | compute:nova
|
| dns_assignment    | fqdn='host-192-0-2-213.openstacklocal.',
hostname='my-host3',
|
|                   | ip_address='192.0.2.213'
|
| dns_domain        | None
|
| dns_name          |
|
| extra_dhcp_opts   |

```

```
|
| fixed_ips | ip_address='192.0.2..213',
subnet_id='641d1db2-3b40-437b-b87b-63 |
| | 079a7063ca'
|
|
| ip_address='2001:db8:0:f868:f816:3eff:fee1:eb73', subnet_id='c7ed0 |
| | 70a-d2ee-4380-baab-6978932a7dcc'
|
| id | 56x9aiw1-2v74-144x-c2q8-ed8w423a6s12
|
| location | cloud='', project.domain_id=,
project.domain_name=, project.id='7c |
| | b99d752fdb4944a2208ec9ee019226', project.name=,
region_name='regio |
| | n0ne', zone=
|
| mac_address | fa:16:3e:e1:eb:73
|
| name | port2
|
| network_id | 55dc2f70-0f92-4002-b343-ca34277b0234
|
| port_security_enabled | True
|
| project_id | 98a2f53c20ce4d50a40dac4a38016c69
|
| propagate_uplink_status | None
|
| qos_policy_id | 8491547e-add1-4c6c-a50e-42121237256c
|
| resource_request | None
|
| revision_number | 6
|
| security_group_ids | 4cdeb836-b5fd-441e-bd01-498d758704fd
|
| status | ACTIVE
|
| tags |
|
| trunk_details | None
|
| updated_at | 2022-07-04T19:11:41Z
|
+-----+
-----+
```

- <https://docs.openstack.org/neutron/latest/configuration/ml2-conf.html>
- https://access.redhat.com/documentation/ko-kr/red_hat_openshift_platform/16.1/html/networking_guide/bandwidth-limit_config-qos-policies

From:

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Last update: **2024/01/12 04:53**

