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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



QoS /

Horizon

가 .

Horizon

. 2024-01-12 (Zed)

```
$ 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:fe1: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_openstack_platform/16.1/html/networking_guide/bandwidth-limit_config-qos-policies

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