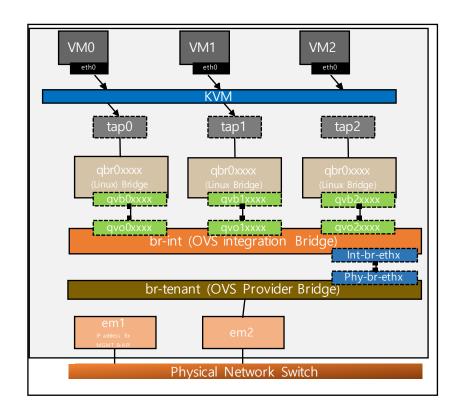
```
[root@nfvdemoctrl01 neutron(keystone admin)]# pwd
/etc/neutron
[root@nfvdemoctrl01 neutron(keystone admin)]# ls
api-paste.ini dhcp agent.ini 13 agent.ini
                                             metadata agent.ini neutron lbaas.conf pluqins
                                                                                            rootwrap.conf services lbaas.conf
             fwaas driver.ini lbaas agent.ini neutron.conf
                                                               plugin.ini
                                                                                 policy.json services
[root@nfvdemoctrl01 neutron(keystone admin)] # ls -al plugin.ini
lrwxrwxrwx. 1 root root 37 Apr 4 19:46 plugin.ini -> /etc/neutron/plugins/ml2/ml2 conf.ini
[root@nfvdemoctrl01 neutron(keystone admin)]# cat plugin.ini |grep -v ^# |grep -v ^$
[ml2]
type drivers = vlan,flat
tenant network types = vlan
mechanism_drivers =openvswitch
extension drivers = port security
[ml2 type flat]
flat_networks = physnet2,physnet3
[ml2 type vlan]
network vlan ranges =physnet1:200:4000
[ml2 type gre]
[ml2 type vxlan]
[securitygroup]
enable security group = True
[root@nfvdemoctrl01 neutron(keystone admin)] # cat plugins/openvswitch/ovs_neutron_plugin.ini |grep -v ^# |grep -v ^$
ovsl
integration bridge = br-int
oridge mappings =physnetl:br-tenant
enable tunneling=False
[agent]
polling interval = 2
12 population = False
arp responder = False
enable distributed routing = False
[securitygroup]
firewall driver = neutron.agent.linux.iptables_firewall.OVSHybridIptablesFirewallDriver
[root@nfvdemoctrl01 neutron(keystone admin)]#
```

```
Bridge br-tenant
    Port "em2"
        Interface "em2"
    Port phy-br-tenant
        Interface phy-br-tenant
            type: patch
            options: {peer=int-br-tenant}
    Port br-tenant
        Interface br-tenant
            type: internal
Bridge br-int
    fail mode: secure
    Port "tape551a6a8-31"
        tag: 2
        Interface "tape551a6a8-31"
            type: internal
    Port int-br-tenant
        Interface int-br-tenant
            type: patch
            options: {peer=phy-br-tenant}
    Port br-int
        Interface br-int
            type: internal
    Port "tap72d57793-31"
        tag: 3
        Interface "tap72d57793-31"
            type: internal
    Port "tapdc453ee2-b4"
        tag: 1
        Interface "tapdc453ee2-b4"
            type: internal
```

ovs-vsctl add-br br-tenant ovs-vsctl add-port br-tenant em2

- 탭 인터페이스: tapXXXX리눅스 브릿지: qbryyyy
- Veth 페어 : qvbyyyy, qvoyyyy
- OVS 통합 브릿지 : br-int
- OVS 패치 포트 : int-br-tenant, phy-br-tenant
- OVS 프로바이더 브릿지 : br-tenant
- 물리 인터페이스 : em2



```
[root@nfvdemoctrl01 neutron] # ovs-ofctl dump-flows br-int
NXST_FLOW reply (xid=0x4):
cookie=0x0, duration=3226.050s, table=0, n_packets=67, n_bytes=5972, idle_age=1061, priority=3,in_port=13,dl_vlan=253 actions=mod_vlan_vid:2,NORMAL_cookie=0x0, duration=3225.958s, table=0, n_packets=0, n_bytes=0, idle_age=3225, priority=3,in_port=13,dl_vlan=212 actions=mod_vlan_vid:3,NORMAL_cookie=0x0, duration=3229.801s, table=0, n_packets=66, n_bytes=5620, idle_age=1061, priority=1 actions=NORMAL_cookie=0x0, duration=3229.801s, table=23, n_packets=0, n_bytes=0, idle_age=1061, priority=1 actions=drop
[root@nfvdemoctrl01 neutron] # ovs-ofctl dump-flows br-tenatn
ovs-ofctl: br-tenatn is not a bridge or a socket
[root@nfvdemoctrl01 neutron] # ovs-ofctl dump-flows br-tenant
NXST_FLOW reply (xid=0x4):
cookie=0x0, duration=3287.053s, table=0, n_packets=66, n_bytes=5620, idle_age=1122, priority=4,in_port=7,dl_vlan=2 actions=mod_vlan_vid:253,NORMAL_cookie=0x0, duration=3286.961s, table=0, n_packets=0, n_bytes=0, idle_age=3286, priority=4,in_port=2,dl_vlan=3 actions=mod_vlan_vid:212,NORMAL_cookie=0x0, duration=3280.775s, table=0, n_packets=0, n_bytes=0, idle_age=3290, priority=2,in_port=2 actions=mod_vlan_vid:212,NORMAL_cookie=0x0, duration=3290.775s, table=0, n_packets=0, n_bytes=0, idle_age=3290, priority=2,in_port=2 actions=mod_vlan_vid:212,NORMAL_cookie=0x0, duration=3290.775s, table=0, n_packets=0, n_bytes=0, idle_age=3290, priority=2,in_port=2 actions=mod_vlan_vid:212,NORMAL_cookie=0x0, duration=3290.775s, table=0, n_packets=0.01636, n_bytes=9722537, idle_age=0, priority=1 actions=NORMAL_cookie=0x0, duration=3290.775s, table=0, n_packets=0.01636, n_bytes=0.01636, n_bytes=0.01636, n_bytes=0.
```

VM내부의 vlan 태그값을 br-int로 가면서 내부의 태그값으로 변경한다.