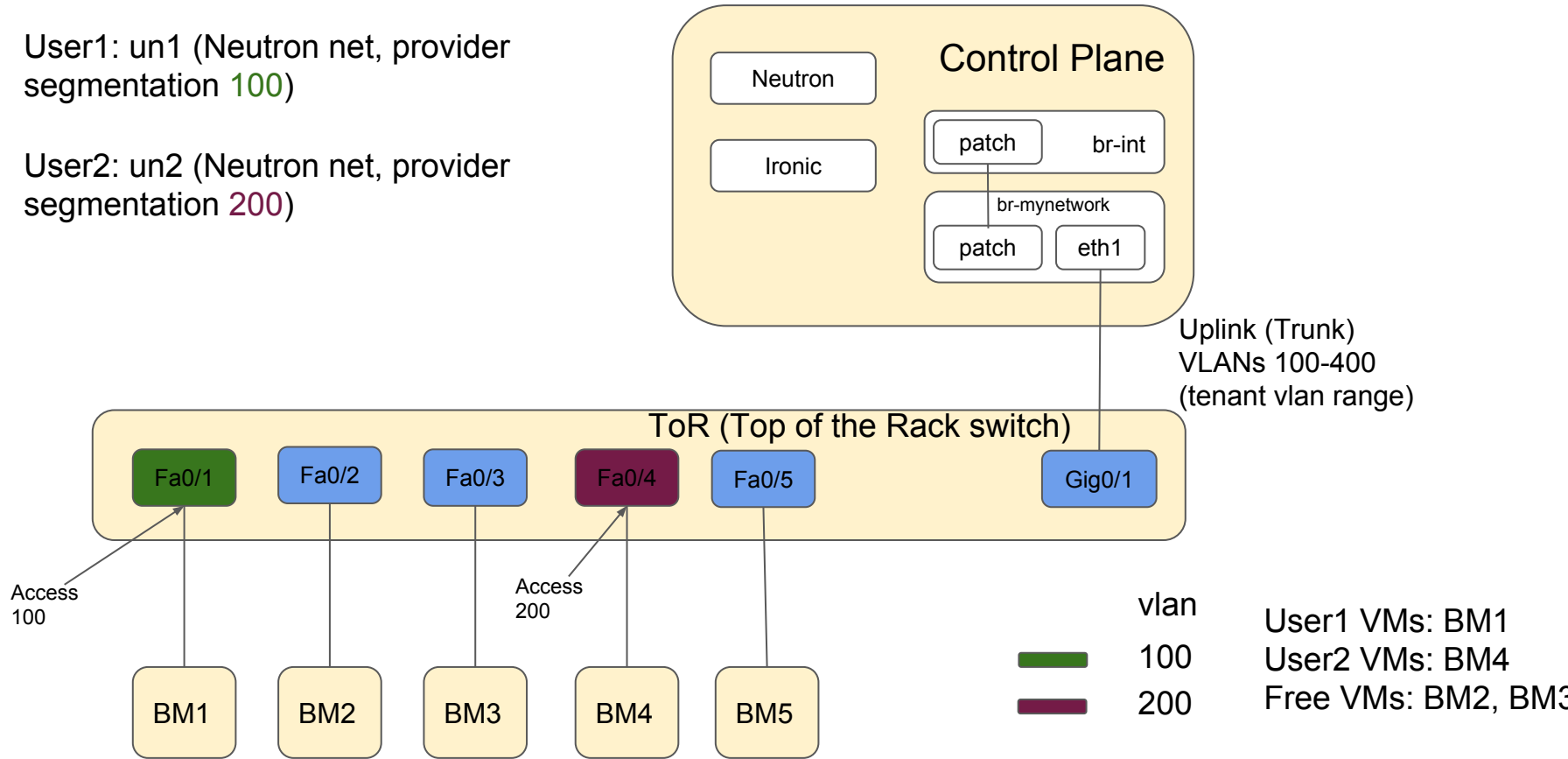


Baremetal scenario 1: no trunks

User1: un1 (Neutron net, provider segmentation 100)

User2: un2 (Neutron net, provider segmentation 200)



Baremetal scenario 2: trunks single user mixed

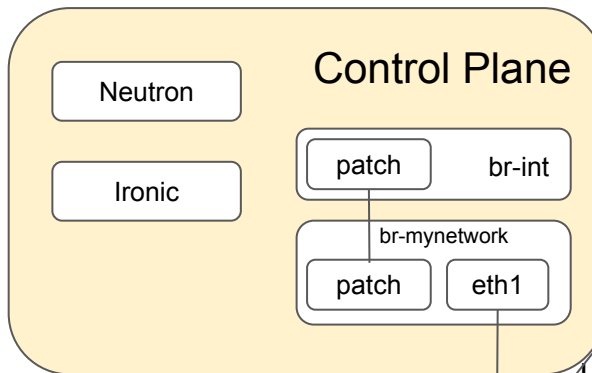
User 1

net-1 provider segmentation 100 (port0 - parent)

net-2 provider segmentation 101 (port1 - subport, segmentation_id=300)

BM1: Trunk net-1, net-2

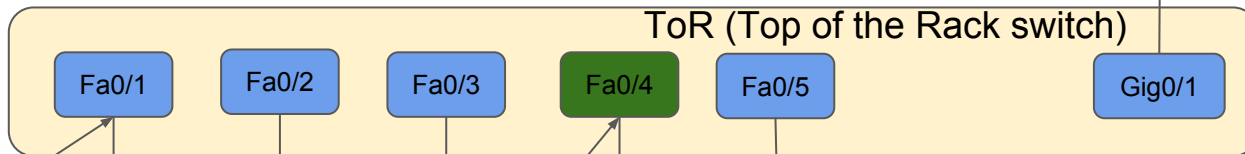
BM4: only net-2



VLAN Mapping:
Provider ---> User
101 ---> 300

Uplink (Trunk)
VLANs 100-400
(tenant vlan range)

Problem: BM1 net-2 no access to BM4 net-2



Trunk
Native 100
Allowed 300

Access
101

vlan

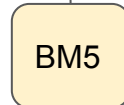
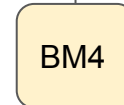
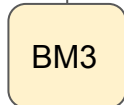
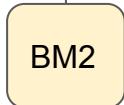
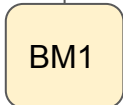
User1 VMs: BM1, BM4

100

Free VMs: BM2, BM3

101

300 user segmentation_id



Baremetal scenario 3: trunks multiple users

User 1

net-1 provider segmentation 100 (port0 - parent)

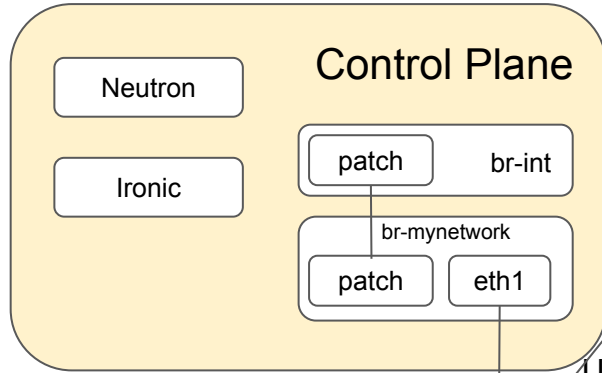
net-2 provider segmentation 101 (port1 - subport, segmentation_id=300)

User 2

net-3 provider segmentation 200 (port0 - parent)

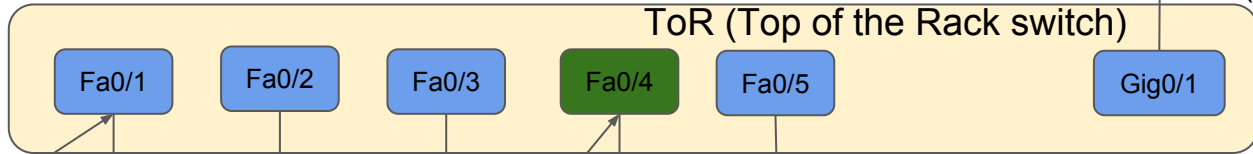
net-4 provider segmentation 201 (port1 - subport, segmentation_id=300)

Problem: BM1 net-2 can access to BM4 net-4



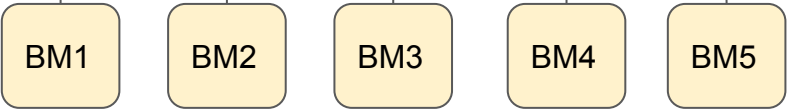
VLAN Mapping:
Provider ---> User
101 ---> 300
201 ---> 300 ????

Uplink (Trunk)
VLANs 100-400
(tenant vlan range)



Trunk
Native 100
Allowed 300

Trunk
Native 200
Allowed 300



- vlan 100
- vlan 101
- vlan 200
- vlan 300 user segmentation_id

User1 VMs: BM1
User2 VMs: BM4
Free VMs: BM2, BM3