Two Mininet Connected via VXLAN

```
Site A:

S1-Eth1 - 10.0.0.1 (Tenant A) -- PortId= 1

S1-Eth2 - 10.0.0.2 (Tenant B) -- PortId= 2

VXLAN -- PortId = 3

Site B:

S2-Eth1 - 10.0.0.1(Tenant B) -- PortId= 1

S2-Eth2 - 10.0.0.2(Tenant A) -- PortId= 2

VXLAN -- PortId = 3
```



Tenant	Outgoing MPLS Labels
А	100
В	200

Tenant	Outgoing MPLS Labels
Α	300
В	400

```
sudo ovs-ofctl -0 OpenFlow13 add-flow s1 "table=0,in_port=1,actions=goto_table:1"
sudo ovs-ofctl -0 OpenFlow13 add-flow s1 "table=0,in_port=2,actions=goto_table:1"
sudo ovs-ofctl -0 OpenFlow13 add-flow s1 "table=0,in_port=3,actions=goto_table:1"

# Site A 172.31.39.59
# Outgoing IP Packets (0x8847)
sudo ovs-ofctl -0 OpenFlow13 add-flow s1
"table=1,in_port=1,eth_type=0x800,actions=push_mpls:0x8847,set_field:100->mpls_label,output:3"
sudo ovs-ofctl -0 OpenFlow13 add-flow s1
"table=1,in_port=2,eth_type=0x800,actions=push_mpls:0x8847,set_field:200->mpls_label,output:3"
# Outgoing ARP Packets (0x8848)
sudo ovs-ofctl -0 OpenFlow13 add-flow s1
```

```
"table=1,in port=1,eth type=0x806,actions=push mpls:0x8848,set field:100->mpls label,output:3"
sudo ovs-ofctl -O OpenFlow13 add-flow s1
"table=1,in_port=2,eth_type=0x806,actions=push_mpls:0x8848,set_field:200->mpls_label,output:3"
# Incoming IP Packets (0x8847)
sudo ovs-ofctl -O OpenFlow13 add-flow s1
"table=1,in_port=3,eth_type=0x8847,mpls_bos=1,mpls_label=300,actions=pop_mpls:0x800,output:1"
sudo ovs-ofctl -O OpenFlow13 add-flow s1
"table=1,in port=3,eth type=0x8847,mpls bos=1,mpls label=400,actions=pop mpls:0x800,output:2"
# Incoming ARP Packets (0x8848)
sudo ovs-ofctl -O OpenFlow13 add-flow s1
"table=1,in_port=3,eth_type=0x8848,mpls_bos=1,mpls_label=300,actions=pop_mpls:0x806,output:1"
sudo ovs-ofctl -O OpenFlow13 add-flow s1
"table=1,in port=3,eth type=0x8848,mpls bos=1,mpls label=400,actions=pop mpls:0x806,output:2"
# Site B 172.31.42.150
# Outgoing IP Packets (0x8847)
sudo ovs-ofctl -O OpenFlow13 add-flow s1
"table=1,in port=1,eth type=0x800,actions=push mpls:0x8847,set field:400->mpls label,output:3"
sudo ovs-ofctl -O OpenFlow13 add-flow s1
"table=1,in port=2,eth type=0x800,actions=push mpls:0x8847,set field:300->mpls label,output:3"
# Outgoing ARP Packets (0x8848)
sudo ovs-ofctl -O OpenFlow13 add-flow s1
"table=1,in port=1,eth type=0x806,actions=push mpls:0x8848,set field:400->mpls label,output:3"
sudo ovs-ofctl -O OpenFlow13 add-flow s1
"table=1,in_port=2,eth_type=0x806,actions=push_mpls:0x8848,set_field:300->mpls_label,output:3"
# Incoming IP Packets (0x8847)
sudo ovs-ofctl -O OpenFlow13 add-flow s1
"table=1,in_port=3,eth_type=0x8847,mpls_bos=1,mpls_label=200,actions=pop_mpls:0x800,output:1"
sudo ovs-ofctl -O OpenFlow13 add-flow s1
"table=1,in_port=3,eth_type=0x8847,mpls_bos=1,mpls_label=100,actions=pop_mpls:0x800,output:2"
# Incoming ARP Packets (0x8848)
sudo ovs-ofctl -O OpenFlow13 add-flow s1
"table=1,in_port=3,eth_type=0x8848,mpls_bos=1,mpls_label=200,actions=pop_mpls:0x806,output:1"
sudo ovs-ofctl -O OpenFlow13 add-flow s1
"table=1,in_port=3,eth_type=0x8848,mpls_bos=1,mpls_label=100,actions=pop_mpls:0x806,output:2"
```

tcpdump on VXLAN Tunnel @ Site B

Tenant A-10.0.0.1 (Site A) ping Tenant A-10.0.0.2 (Site B)