Cisco Data Center Class
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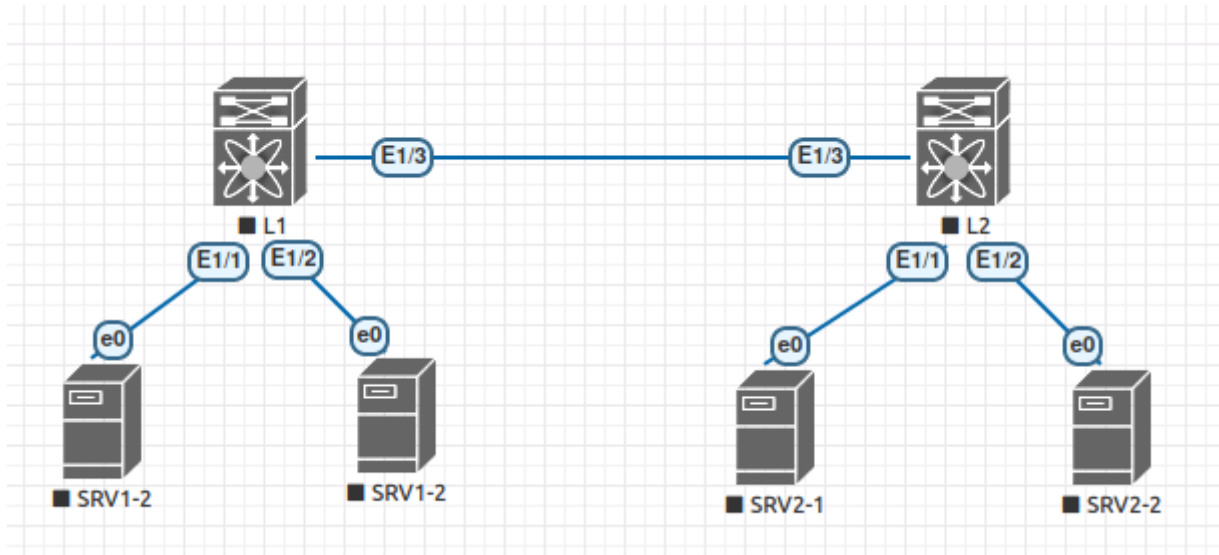nethightech@gmail.com

Scenario Name: Basic VXLAN

Leaf1 Configuration:

```
L1(config)# feature ospf
L1(config)# feature nv overlay
L1(config)# feature vn-segment-vlan-based

L1(config)# interface loopback 1
L1(config-if)# ip add 1.1.1.1/32
L1(config-if)# ip router ospf 1 area 0.0.0.0
L1(config-if)# exit

L1(config-router)# interface ethernet 1/3
L1(config-if)# no switchport
L1(config-if)# ip address 192.168.12.1/24
L1(config-if)# ip router ospf 1 area 0.0.0.0
L1(config-if)# ip ospf network point-to-point
L1(config-if)# no shutdown

L1(config)# router ospf 1
L1(config-router)# router-id 1.1.1.1
L1(config-router)# exit


L1(config)# vlan 100
L1(config-vlan)# vn-segment 10000
L1(config-vlan)# exit

L1(config)# vlan 200
L1(config-vlan)# vn-segment 20000
L1(config-vlan)# exit


L1(config)# interface nve 1
L1(config-if-nve)# no shutdown
L1(config-if-nve)# source-interface loopback 1

L1(config-if-nve)# member vni 10000
L1(config-if-nve-vni)# ingress-replication protocol static
L1(config-if-nve-vni-ingr-rep)# peer-ip 2.2.2.2
L1(config-if-nve-vni-ingr-rep)# exit
L1(config-if-nve-vni)# exit

L1(config-if-nve)# member vni 20000
L1(config-if-nve-vni)# ingress-replication protocol static
L1(config-if-nve-vni-ingr-rep)# peer-ip 2.2.2.2
L1(config-if-nve-vni-ingr-rep)# exit
L1(config-if-nve-vni)# exit


L1# show nve interface
L1# show nve peers
L1# show nve vni
```

Leaf2 Configuration:

```
L2(config)# feature ospf
L2(config)# feature nv overlay
L2(config)# feature vn-segment-vlan-based

L2(config)# interface loopback 1
L2(config-if)# ip add 2.2.2.2/32
L2(config-if)# ip router ospf 1 area 0.0.0.0
L2(config-if)# exit

L2(config-router)# interface ethernet 1/3
L2(config-if)# no switchport
L2(config-if)# ip address 192.168.12.2/24
L2(config-if)# ip router ospf 1 area 0.0.0.0
L2(config-if)# ip ospf network point-to-point
L2(config-if)# no shutdown

L2(config)# router ospf 1
L2(config-router)# router-id 2.2.2.2
L2(config-router)# exit


L2(config)# vlan 100
L2(config-vlan)# vn-segment 10000
L2(config-vlan)# exit

L2(config)# vlan 200
L2(config-vlan)# vn-segment 20000
L2(config-vlan)# exit


L2(config)# interface nve 1
L2(config-if-nve)# no shutdown
L2(config-if-nve)# source-interface loopback 1

L2(config-if-nve)# member vni 10000
L2(config-if-nve-vni)# ingress-replication protocol static
L2(config-if-nve-vni-ingr-rep)# peer-ip 1.1.1.1
L2(config-if-nve-vni-ingr-rep)# exit
L2(config-if-nve-vni)# exit

L2(config-if-nve)# member vni 20000
L2(config-if-nve-vni)# ingress-replication protocol static
L2(config-if-nve-vni-ingr-rep)# peer-ip 1.1.1.1
L2(config-if-nve-vni-ingr-rep)# exit
L2(config-if-nve-vni)# exit


L2# show nve interface
L2# show nve peers
L2# show nve vni
```