

N5K/7K VXLAN

vPC LAB

(N9Ks used as hosts)

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*****
N7K-1
N7K-1# show run

!Command: show running-config
Configuration last done at: Thu Apr 13
04:59:43 2023
!Time: Fri Apr 14 08:08:29 2023

version 8.2(3)

nv overlay svpn
feature ospf
feature bgp
feature nv overlay

ip ipin rp-address 111.1.1.1 group-list 224.0.0.0/4
bidir
ip pin sm range 232.0.0.0/8
vlan 1
vian 1

interface Ethernet3/1
mtu 9216
medium p2p
ip unnumbered loopback0
ip router ospf 1 area 0.0.0.0
ip pin sparse-mode
no shutdown

interface Ethernet3/2
mtu 9216
medium p2p
ip unnumbered loopback0
ip router ospf 1 area 0.0.0.0
ip pin sparse-mode
no shutdown

interface loopback0
ip address 1.1.1.71/32
ip router ospf 1 area 0.0.0.0
ip pin sparse-mode

interface loopback1
ip address 111.1.1.2/29
ip ospf network point-to-point
ip router ospf 1 area 0.0.0.0
ip pin sparse-mode

router ospf 1
router bgp 65000
address-family ipv4 unicast
address-family l2vpn evpn
neighbor 1.1.1.153 remote-as 65000
update-source loopback0
address-family l2vpn evpn
send-community both
route-reflector-client
neighbor 1.1.1.52 remote-as 65000
update-source loopback0
address-family l2vpn evpn
send-community both
route-reflector-client
```

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*****
N7K-2 show run

!Command: show running-config
[Running configuration last done at: Wed Apr 12 16:45:50
2023]
!Time: Thu Apr 13 19:53:09 2023

version 8.2(3)

no vrf overlap
feature ospf
feature bgp
feature pin
feature vrf overlap

ip pin rp-address 111.1.1.1 group-list 224.0.0.0/4 bidir
ip pin ssm range 232.0.0.0/8
vian 1
vian 1

interface Ethernet3/1
mtu 9216
medium p2p
ip unnumbered loopback0
ip router ospf 1 area 0.0.0.0
ip pin sparse-mode
no shutdown

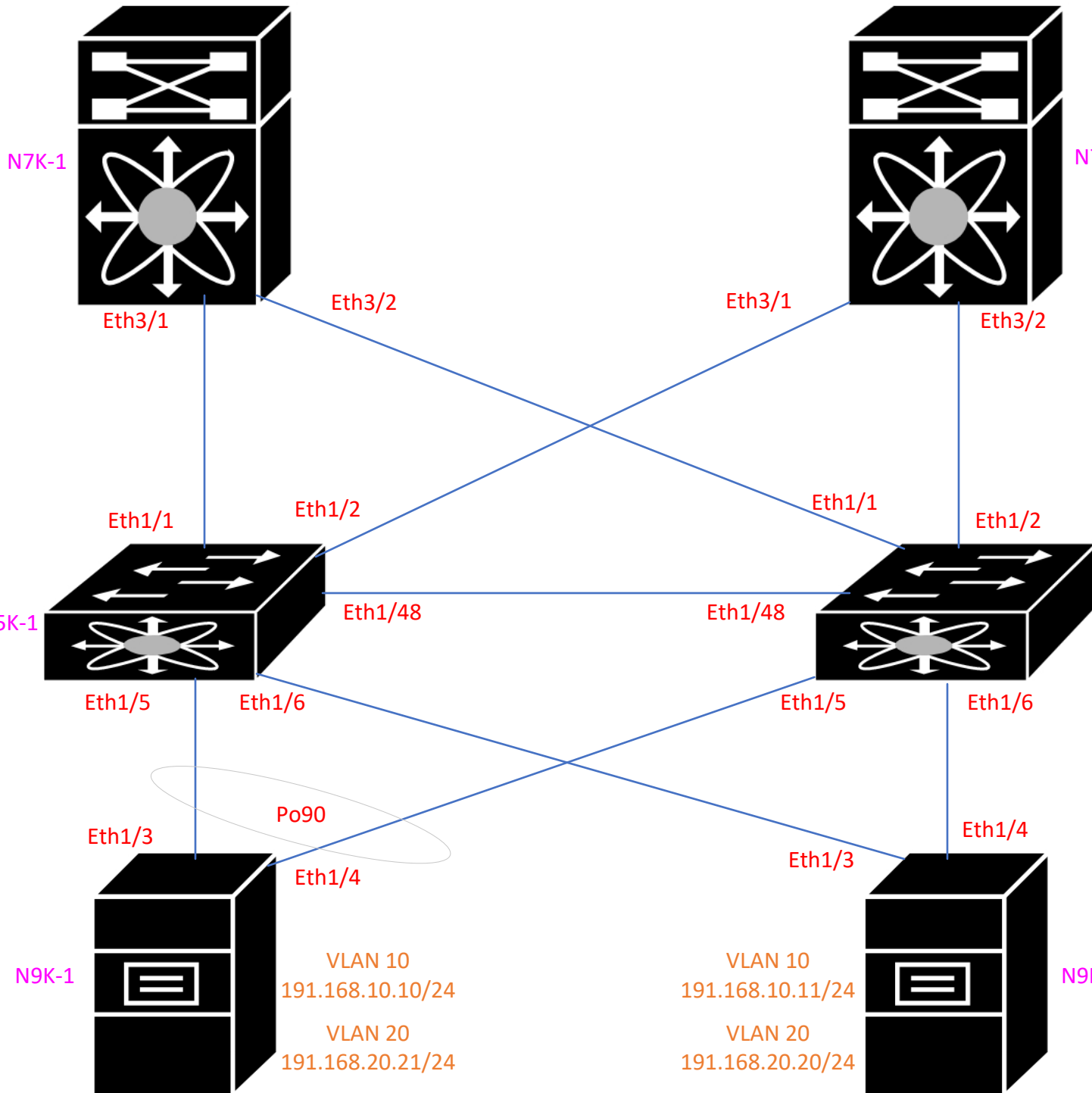
interface Ethernet3/2
mtu 9216
medium p2p
ip unnumbered loopback0
ip router ospf 1 area 0.0.0.0
ip pin sparse-mode
no shutdown

interface loopback0
ip address 1.1.1.1/24
ip router ospf 1 area 0.0.0.0
ip pin sparse-mode

interface loopback1
ip address 111.1.1.1/28
ip ospf network point-to-point
ip router ospf 1 area 0.0.0.0
ip pin sparse-mode

router ospf 1
router bgp 65000
address-family ipv4 unicast
address-family 12vpn evpn
neighbor 1.1.1.1.1 remote-as 65000
update-source loopback0
address-family 12vpn evpn
send-community both
router-reflector-client
neighbor 1.1.1.1.1.52 remote-as 65000
update-source loopback0
address-family 12vpn evpn
send-community both
router-reflector-client

```



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#####
N9K-1
#####

N9K-1# show run

[Command: show running-config]
Running configuration last done at: Thu Apr 13
12:59:28 2023
[Time: Thu Apr 13 20:03:32 2023]

version 9.2(3) (Bios:version 07.69)

feature interface-vlan
feature lacp

ip route 0.0.0.0/0 192.168.10.254
ip route 0.0.0.0/0 192.168.20.254

vlan 1,10,20

interface Vlan1

interface Vlan10
no shutdown
ip address 192.168.10.10/24

interface Vlan20
no shutdown
ip address 192.168.20.21/24

interface port-channel190
switchport
switchport mode trunk

interface Ethernet1/3
description Connected to N5672UP-1 Eth1/5
switchport
switchport mode trunk
channel-group 90 mode active
no shutdown

interface Ethernet1/4
description Connected to N5672UP-2 Eth1/5
switchport
switchport mode trunk
channel-group 90 mode active
no shutdown
```

```
*****
NOK-2
*****

NOK-2# show run

[Command: show running-config
Running configuration last done at: Thu Apr 13
20:23:25 2023
Time: Thu Apr 13 20:23:52 2023

version 9.2(3) Bios/version 07.69
feature interface-vlan

ip route 0.0.0.0/0 192.168.10.254
ip route 0.0.0.0/0 192.168.20.254

vlan 1,10,20

interface Vlan1
interface Vlan10
 no shutdown
 ip address 192.168.10.11/24

interface Vlan20
 no shutdown
 ip address 192.168.20.20/24

interface Ethernet1/3
 description Connected to N5672UP-1 Eth3/6
 switchport
 switchport mode trunk
 no shutdown

interface Ethernet1/4
 description Connected to N5672UP-2 Eth3/6
 switchport
 switchport mode trunk
 no shutdown
```