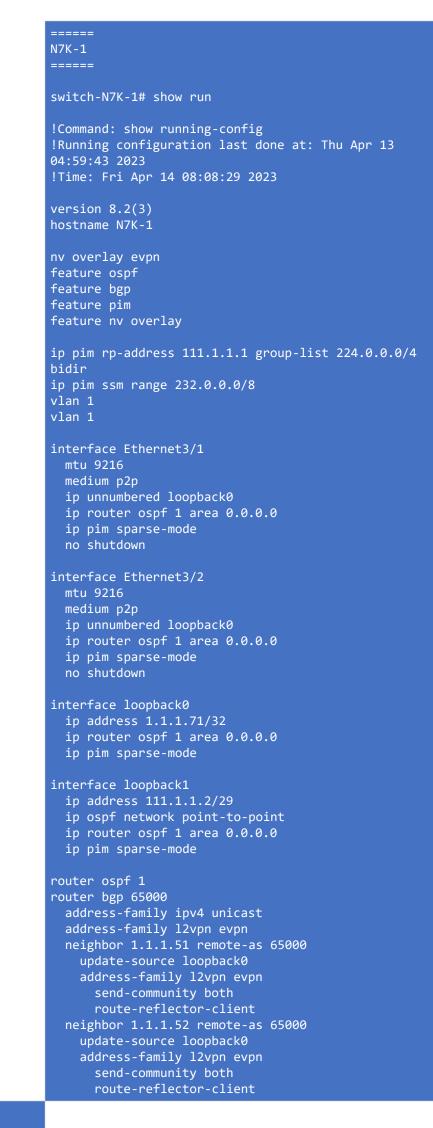
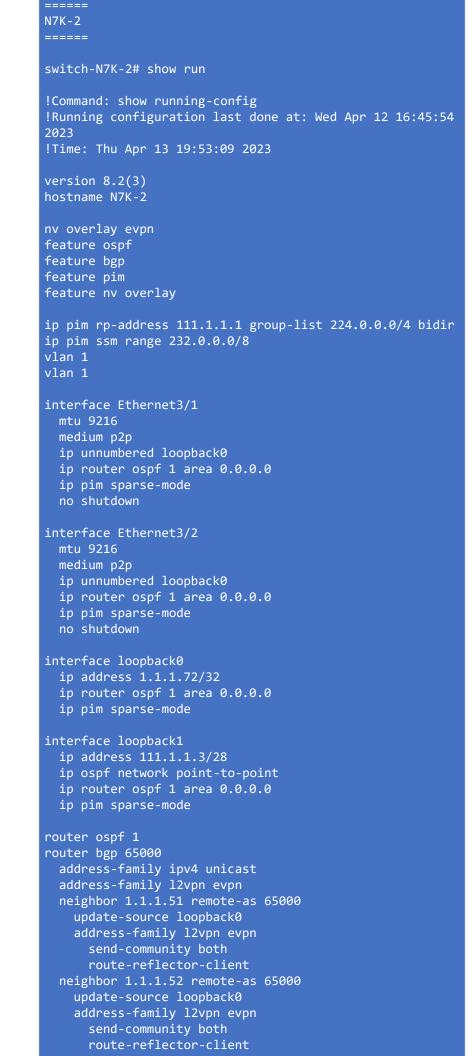
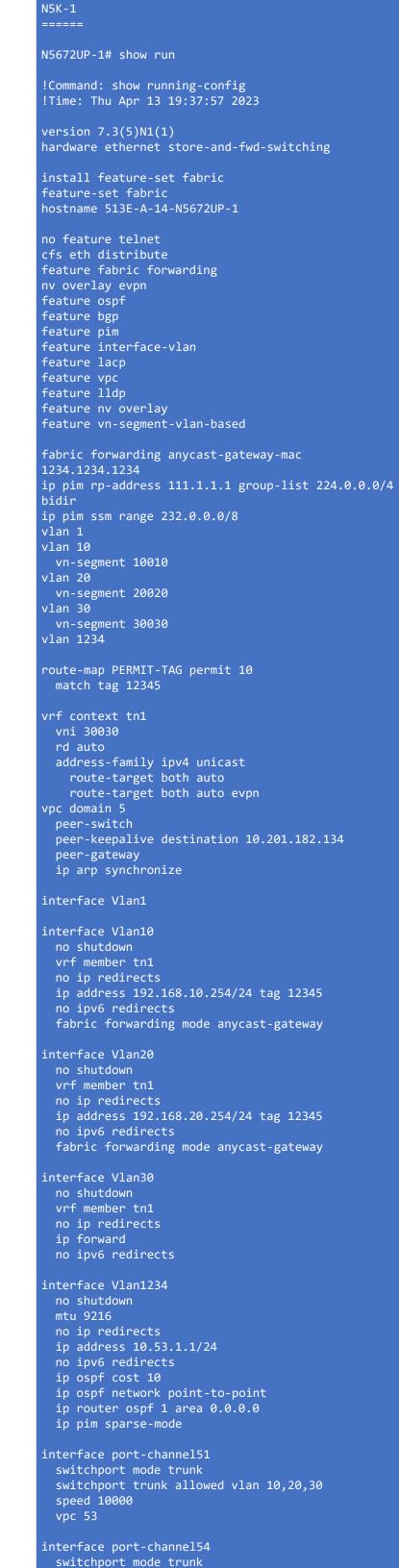
(N9Ks used as hosts)







spanning-tree port type network

source-interface loopback1
host-reachability protocol bgp

mcast-group 225.5.5.5

mcast-group 227.7.7.7

ip unnumbered loopback0

ip unnumbered loopback0

ip router ospf 1 area 0.0.0.0

channel-group 51 mode active

ip router ospf 1 area 0.0.0.0

member vni 30030 associate-vrf

description Connected to N7009-1 Eth3/1

description Connected to N7009-2 Eth3/1

description Connected to N93180YC-1 Eth1/3

description Connected to N93180YC-2 Eth1/3

description Connected to N5672UP-2 Eth1/48

switchport trunk allowed vlan 10,20,30

speed 10000 vpc peer-link

interface nve1

no shutdown

member vni 10010

member vni 20020

interface Ethernet1/1

ip pim sparse-mode

interface Ethernet1/2

ip pim sparse-mode

interface Ethernet1/5

interface Ethernet1/6

switchport mode trunk

interface Ethernet1/48

switchport mode trunk

ip address 1.1.1.51/32

ip address 10.1.1.51/32

interface loopback0

ip pim sparse-mode

ip pim sparse-mode

router-id 1.1.1.51 router bgp 65000

router-id 1.1.1.51

router ospf 1

vrf tn1

vni 10010 l2

rd auto

vni 20020 12

rd auto

interface loopback1

channel-group 54 mode active

ip router ospf 1 area 0.0.0.0

ip address 10.1.1.100/32 secondary

neighbor 1.1.1.71 remote-as 65000

neighbor 1.1.1.72 remote-as 65000

update-source loopback0

send-community both

update-source loopback0

send-community both

address-family 12vpn evpn

advertise l2vpn evpn

route-target import auto route-target export auto

route-target import auto route-target export auto

/pc nve peer-link-vlan 1234

address-family ipv4 unicast

redistribute direct route-map PERMIT-TAG

address-family 12vpn evpn

ip router ospf 1 area 0.0.0.0

shutdown

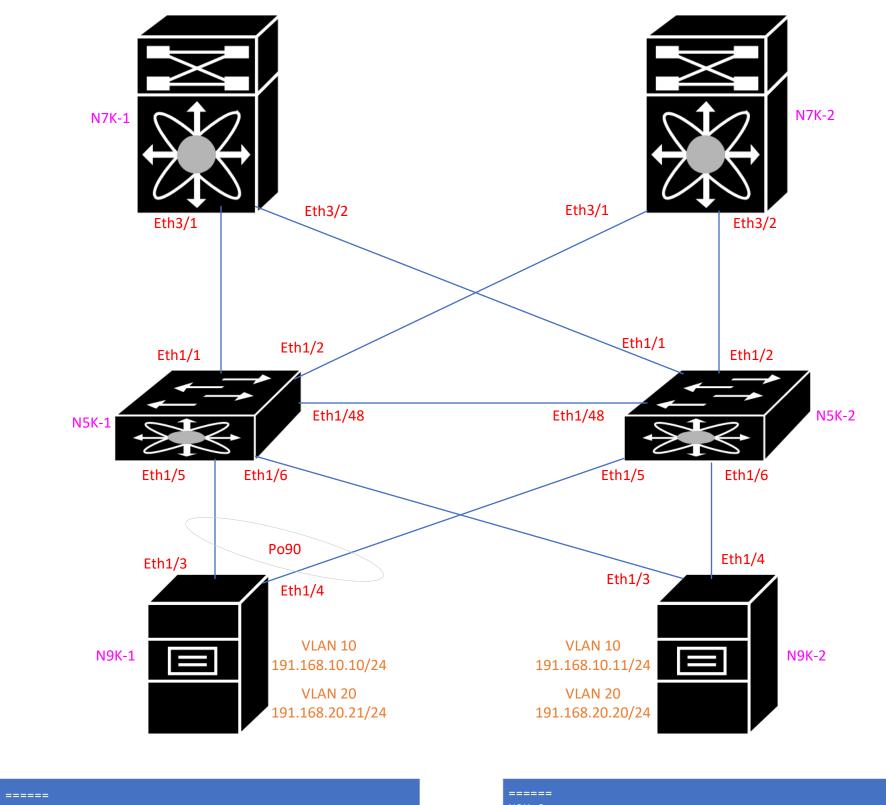
switchport mode trunk

no switchport

mtu 9216 medium p2p

no switchport

mtu 9216 medium p2p



N93180YC-1# show run !Command: show running-config !Running configuration last done at: Thu Apr 13 12:50:28 2023 Time: Thu Apr 13 20:03:32 2023 version 9.2(3) Bios:version 07.69 nostname 513E-A-14-N93180YC-1 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 ip address 192.168.10.10/24 interface Vlan20 ip address 192.168.20.21/24 interface port-channel90 switchport mode trunk nterface Ethernet1/3 description Connected to N5672UP-1 Eth1/5 switchport mode trunk channel-group 90 mode active nterface Ethernet1/4 description Connected to N5672UP-2 Eth1/5 switchport mode trunk channel-group 90 mode active

N93180YC-2# show run Command: show running-config Running configuration last done at: Thu Apr 13 20:23:15 2023 !Time: Thu Apr 13 20:23:52 2023 version 9.2(3) Bios:version 07.69 nostname 513E-A-14-N93180YC-2 feature interface-vlan p 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 .nterface Ethernet1/3 description Connected to N5672UP-1 Eth1/6 switchport switchport mode trunk no shutdown nterface Ethernet1/4 description Connected to N5672UP-2 Eth1/6 switchport switchport mode trunk

no shutdown

N5K-2 N5672UP-2# show run Command: show running-config Time: Thu Apr 13 19:40:43 2023 version 7.3(5)N1(1) hardware ethernet store-and-fwd-switching install feature-set fabric feature-set fabric nostname 513E-A-14-N5672UP-2 no feature telnet cfs eth distribute feature fabric forwarding nv overlay evpn feature ospf feature bgp feature pim feature interface-vlan feature lacp feature vpc feature lldp feature nv overlay feature vn-segment-vlan-based fabric forwarding anycast-gateway-mac ip pim rp-address 111.1.1.1 group-list 224.0.0.0/4 ip pim ssm range 232.0.0.0/8 vlan 10 vn-segment 10010 vlan 20 vn-segment 20020 vlan 30 vn-segment 30030 vlan 1234 route-map PERMIT-TAG permit 10 match tag 12345 rf context tn1 vni 30030 address-family ipv4 unicast route-target both auto evpn peer-switch peer-keepalive destination 10.201.182.133 peer-gateway ip arp synchronize nterface Vlan10 no shutdown vrf member tn1 no ip redirects ip address 192.168.10.254/24 tag 12345 no ipv6 redirects fabric forwarding mode anycast-gateway nterface Vlan20 no shutdown vrf member tn1 no ip redirects ip address 192.168.20.254/24 tag 12345 no ipv6 redirects fabric forwarding mode anycast-gateway nterface Vlan30 no shutdown vrf member tn1 no ip redirects ip forward no ipv6 redirects nterface Vlan1234 mtu 9216 no ip redirects ip address 10.53.1.2/24 no ipv6 redirects ip ospf network point-to-point ip router ospf 1 area 0.0.0.0 ip pim sparse-mode .nterface port-channel52 switchport mode trunk switchport trunk allowed vlan 10,20,30 vpc 53 interface port-channel54 switchport mode trunk spanning-tree port type network speed 10000 vpc peer-link interface nve1 source-interface loopback1 host-reachability protocol bgp member vni 10010 mcast-group 225.5.5.5 member vni 20020 mcast-group 227.7.7.7
member vni 30030 associate-vrf interface Ethernet1/1 description Connected to N7009-1 Eth3/2 no switchport mtu 9216 medium p2p ip unnumbered loopback0 ip router ospf 1 area 0.0.0.0 ip pim sparse-mode interface Ethernet1/2 description Connected to N7009-2 Eth3/2 mtu 9216 medium p2p ip unnumbered loopback0 ip router ospf 1 area 0.0.0.0 ip pim sparse-mode nterface Ethernet1/5 description Connected to N93180YC-1 Eth1/4 switchport mode trunk switchport trunk allowed vlan 10,20,30 channel-group 52 mode active nterface Ethernet1/6 description Connected to N93180YC-2 Eth1/4 switchport mode trunk switchport trunk allowed vlan 10,20,30 interface Ethernet1/48 description Connected to N5672UP-1 Eth1/48 switchport mode trunk channel-group 54 mode active nterface loopback0 ip address 1.1.1.52/32 ip router ospf 1 area 0.0.0.0 ip pim sparse-mode interface loopback1 ip address 10.1.1.52/32 ip address 10.1.1.100/32 secondary ip router ospf 1 area 0.0.0.0 ip pim sparse-mode router ospf 1 router-id 1.1.1.52 router bgp 65000 router-id 1.1.1.52 neighbor 1.1.1.71 remote-as 65000 update-source loopback0 address-family l2vpn evpn send-community both neighbor 1.1.1.72 remote-as 65000 update-source loopback0 address-family l2vpn evpn send-community both vrf tn1 address-family ipv4 unicast advertise l2vpn evpn redistribute direct route-map PERMIT-TAG vni 10010 l2 rd auto route-target import auto route-target export auto vni 20020 12 rd auto route-target import auto route-target export auto oc nve peer-link-vlan 1234