**vPC Domain 1** vPC Peer Keepalive Link N7K1 (Primary) N7K2 (Secondary) **VLAN 23** 192.168.1.2/24 192.168.1.1/24 Eth1/1 Eth1/1 vPC Peer Link Po23 Eth1/2 Eth1/2 Eth1/4 Eth1/3 Po10 Po10 Po10 Po10 vPC 10 vPC 20 Eth1/2 Eth1/1 Eth1/2 Eth1/1 Po20 Po20 Po20 Po20 Eth1/4 Eth1/4 vPC Peer Link Po23 Eth1/3 Eth1/3 192.168.1.1/24 192.168.1.2/24 N5K1 (Primary) N5K2 (Secondary) vPC Peer Keepalive Link **VLAN 23** vPC Domain 10 **Running Configuration: Running Configuration:** N7K1-my-vdc# show run vpc N7K2-my-vdc# show run vpc <output omitted> <output omitted> feature vpc feature vpc vpc domain 1 vpc domain 1 peer-keepalive destination 192.168.1.2 source peer-keepalive destination 192.168.1.1 source 192.168.1.1 vrf keepalive 192.168.1.2 vrf keepalive interface port-channel10 interface port-channel10 vpc 10 vpc 10 interface port-channel23 interface port-channel23 vpc peer-link vpc peer-link N7K1-my-vdc# show run int vlan23 N7K2-my-vdc# show run int vlan23 <output omitted> <output omitted> interface Vlan23 no shutdown no shutdown vrf member keepalive vrf member keepalive ip address 192.168.1.1/24 ip address 192.168.1.2/24 N7K2-my-vdc# show run int eth1/1 <output omitted> interface Ethernet1/1 description \*\*\*VPC PEER KEEPALIVE LINK\*\*\* description \*\*\*VPC PEER KEEPALIVE LINK\*\*\* switchport switchport switchport access vlan 23 switchport access vlan 23 no shutdown no shutdown N7K2-my-vdc# show run int po23 <output omitted> interface port-channel23 description \*\*\*VPC PEER LINK\*\*\*

switchport

vpc peer-link

<output omitted>

switchport

no shutdown

<output omitted>

switchport

no shutdown

<output omitted>

switchport

no shutdown

<output omitted>

switchport

vpc 10

feature vpc

vpc 20

vpc peer-link

<output omitted>

<output omitted> interface Ethernet1/3

switchport

no shutdown

<output omitted>

switchport

speed 10000

vpc peer-link

<output omitted> interface Ethernet1/4

switchport

no shutdown

<output omitted> interface Ethernet1/1

<output omitted>

interface Ethernet1/2

switchport mode trunk

N5K2# show run int po20

interface port-channel20

switchport mode trunk

**Basic Verification Commands:** 

N7K2-my-vdc# ping 192.168.1.1 vrf keepalive

PING 192.168.1.1 (192.168.1.1): 56 data bytes

<output omitted>

speed 10000

N7K2-my-vdc# show vlan brief

N7K2-my-vdc# show vpc role

**VLAN Name** 

1 default

10 VLAN0010

20 VLAN0020

23 keepalive

vPC Role status

vPC system-mac

vPC system-priority

vPC local system-mac

vPC local role-priority

vPC peer system-mac

vPC peer role-priority

vPC keep-alive status

--Peer is alive for

--Sent on interface

--Received on interface

--Last update from peer

vPC Keep-alive parameters

--Keepalive hold timeout

Keepalive udp port

N7K2-my-vdc# show vpc

--Receive status

--Last receive at

--Destination

--Keepalive vrf

--Keepalive tos

vPC domain id

vPC keep-alive status

Configuration consistency status

Dual-active excluded VLANs and BDs : -

Per-vlan consistency status

Type-2 consistency status

Number of vPCs configured

Graceful Consistency Check

Operational Layer3 Peer-router

id Port Status Active vlans

Auto-recovery status

vPC Peer-link status

1 Po23 up 10,20

: 10

: Po10

: up

: success

STP MST Simulate PVST 1 Enabled

1

N7K2-my-vdc# show vpc consistency-parameters global

Type 1: vPC will be suspended in case of mismatch

1 Normal, Disabled,

P - Up in port-channel (members)

Type Protocol Member Ports

64 bytes from 192.168.1.1: icmp seq=0 ttl=254 time=1.059 ms

64 bytes from 192.168.1.1: icmp\_seq=1 ttl=254 time=0.973 ms

64 bytes from 192.168.1.1: icmp\_seq=2 ttl=254 time=0.95 ms 64 bytes from 192.168.1.1: icmp\_seq=3 ttl=254 time=0.942 ms

64 bytes from 192.168.1.1: icmp seq=4 ttl=254 time=0.943 ms

Status Ports

active Eth1/5, Eth1/6, Eth1/7, Eth1/8

Eth1/9, Eth1/10, Eth1/11

Eth1/12, Eth1/13, Eth1/14

Eth1/15, Eth1/16, Eth1/17

Eth1/18, Eth1/19, Eth1/20 Eth1/21, Eth1/22, Eth1/23

Eth1/24, Eth1/25, Eth1/26

Eth1/27, Eth1/28, Eth1/29

Eth1/30, Eth1/31, Eth1/32

Eth1/33, Eth1/34, Eth1/35

Eth1/36, Eth1/37, Eth1/38 Eth1/39, Eth1/40, Eth1/41

Eth1/42, Eth1/43, Eth1/44 Eth1/45, Eth1/46, Eth1/47

Eth2/4, Eth2/5, Eth2/6

active Eth1/3

: 00:23:04:ee:be:0a

: 8c:60:4f:4d:f9:3c

: peer is alive

: (5304) seconds, (978) msec

: 2022.05.04 23:18:08 961 ms

: 2022.05.04 23:18:08 962 ms

: (0) seconds, (970) msec

Eth1/4

Eth1/4

: 32667

: 32667

: Success

: Vlan23

: 192.168.1.1

: keepalive

: 192

: 10

: secondary

Status Consistency Reason

up success success

Type 1: vPC will be suspended in case of mismatch

2 ([], [], [], [], ([], [], [], [], [],

Input Queuing (Bandwidth) 2 (100, 0, 0, 0, 0, 0) (100, 0, 0, 0, 0, 0)

Output Queuing (Bandwidth) 2 (100, 0, 0, 0, 0, 0) (100, 0, 0, 0, 0, 0)

Input Queuing (Absolute 2 (F, F, F, F, F, F) (F, F, F, F, F)

Output Queuing (Absolute 2 (F, F, F, F, F, F) (F, F, F, F, F)

Rapid-PVST

None

1

1 Disabled

10,20

Type Protocol Member Ports

Eth1/1(P)

Eth1/4(P)

I - Individual H - Hot-standby (LACP only)

LACP

LACP

s - Suspended r - Module-removed

M - Not in use. Min-links not met

1

1 Enabled

Normal, Disabled,

Disabled

Enabled

4000

P - Up in port-channel (members)

[])

Type Local Value

N5K2# show vpc consistency-parameters global

[])

: 3200

: 1000 msec

: 5 seconds

(\*) - local vPC is down, forwarding via vPC peer-link

: peer is alive

: success

: success

: Enabled

10,20

Peer Value

2 (1538, 0, 0, 0, 0, 0) (1538, 0, 0, 0, 0, 0)

Rapid-PVST

None

0

10,20

Eth1/2(P)

Disabled

**Enabled** 

Normal, Disabled,

Disabled

**Enabled** 

4000

No Relevant Maps

2 (F, F, F, F, F, F) (F, F, F, F, F, F)

: 1

: Disabled

: Disabled

: peer adjacency formed ok

: Vlan23

: Success

: secondary

Dual Active Detection Status : 0

N5K2# show vpc peer-keepalive

Eth1/48, Eth2/1, Eth2/2, Eth2/3

active Po20, Po23, Eth1/1, Eth1/2

active Po20, Po23, Eth1/1, Eth1/2

10 Po10(SU) Eth LACP Eth1/3(P) Eth1/4(P)

Disabled

None

Type Local Value

1

None

1 Rapid-PVST

1 Disabled

- 10,20

1 Enabled

Consistency : success

Active Vlans: 10,20

STP Port Type, Edge

STP Disabled

STP Loopguard

**VLAN Mapping** 

Allowed VLANs

Local error VLANs

Flags: D - Down

Group Port-

Channel

N5K2# show vlan brief

VLAN Name

1 default

10 VLAN0010

20 VLAN0020

23 keepalive

vPC Role status

vPC system-mac

vPC system-priority

vPC local system-mac

vPC local role-priority

vPC keep-alive status

-Peer is alive for

--Send status

--Last send at

--Sent on interface

--Received on interface

--Last update from peer

vPC Keep-alive parameters

--Keepalive hold timeout : 3 seconds

Configuration consistency status: success

Operational Layer3 Peer-router : Disabled

--Receive status

--Last receive at

--Destination

--Keepalive vrf

--Keepalive tos

N5K2# show vpc

vPC domain id

vPC keep-alive status

Per-vlan consistency status

Number of vPCs configured

Dual-active excluded VLANs

Graceful Consistency Check

id Port Status Active vlans

Auto-recovery status

vPC Peer-link status

1 Po23 up 10,20

vPC status

id Port

20 Po20

Name

QoS

Priority)

STP Mode

STP Disabled

**VLAN Mapping** 

STP Loopguard

capability

Allowed VLANs

Flags: D - Down

**Group Port-**

<sup>®</sup>Created by Matthew Rich, TCE, Cisco Systems, Inc.

CISCO

Channel

20 Po20(SU) Eth

23 Po23(SU) Eth

STP MST Region Name

STP Bridge Assurance

STP MST Simulate PVST

STP Port Type, Edge

Network QoS (MTU)

Network Qos (Pause)

No Relevant Maps Vlan to Vn-segment Map 1 No Relevant Maps

STP MST Region Revision 1 0

STP MST Region Instance to 1

BPDUFilter, Edge BPDUGuard

Interface-vlan admin up 2

Interface-vlan routing 2

Local suspended VLANs

IGMP Snooping Group-Limit 2

N5K2# show port-channel summ

S - Switched R - Routed

U - Up (port-channel)

1

1

Active vlans

10,20

Peer Value

2 (1538, 0, 0, 0, 0, 0) (1538, 0, 0, 0, 0, 0)

Rapid-PVST

None

1111

0

10,20

Eth1/2(P)

Disabled

**Enabled** 

**Enabled** 

4000

Normal, Disabled,

Disabled

2 (F, F, F, F, F, F) (F, F, F, F, F, F)

1 No Relevant Maps

Type-2 consistency status

Peer status

vPC role

Peer Gateway

Legend:

--Keepalive interval

--Keepalive timeout

--Keepalive udp port

vPC role

N5K2# show vpc role

STP Mode

capability

STP MST Region Name

STP Bridge Assurance

BPDUFilter, Edge BPDUGuard

STP MST Region Instance to 1

STP MST Region Revision 1 0

Interface-vlan admin up 2 10

N7K2-my-vdc# show port-channel summ

I - Individual H - Hot-standby (LACP only)

s - Suspended r - Module-removed

M - Not in use. Min-links not met

23 Po23(SU) Eth LACP Eth1/2(P)

PING 192.168.1.1 (192.168.1.1): 56 data bytes

N5K2# ping 192.168.1.1 vrf keepalive

Interface-vlan routing 2 10

b - BFD Session Wait S - Switched R - Routed

U - Up (port-channel)

Peer status

vPC role

Peer Gateway

Self-isolation

vPC status

Id

Port

Status

Reason

Legend:

Name

Legend:

--Keepalive interval

--Keepalive timeout

--Send status

--Last send at

N7K2-my-vdc# show vpc peer-keepalive

vPC role

vpc 20

interface Vlan23

no shutdown

vpc domain 10

interface port-channel10

switchport mode trunk

N5K2# show run vpc <output omitted>

192.168.1.2 vrf keepalive

interface port-channel20

interface port-channel23

N5K2# show run int vlan23

vrf member keepalive ip address 192.168.1.2/24

N5K2# show run int eth1/3

switchport access vlan 23

N5K2# show run int po23

interface port-channel23

switchport mode trunk

N5K2# show run int eth1/4

switchport mode trunk

N5K2# show run int eth1/1

switchport mode trunk

N5K2# show run int eth1/2

description \*\*\*VPC PEER LINK\*\*\*

switchport trunk allowed vlan 10,20

spanning-tree port type network

description \*\*\*VPC PEER LINK\*\*\*

switchport trunk allowed vlan 10,20

description \*\*\*Connected to N7K1\*\*\*

description \*\*\*Connected to N7K2\*\*\*

description \*\*\*Connected to N7K1/N7K2\*\*\*

64 bytes from 192.168.1.1: icmp seq=0 ttl=254 time=1.082 ms

64 bytes from 192.168.1.1: icmp seq=1 ttl=254 time=0.74 ms 64 bytes from 192.168.1.1: icmp\_seq=2 ttl=254 time=0.779 ms

64 bytes from 192.168.1.1: icmp\_seq=3 ttl=254 time=0.587 ms

64 bytes from 192.168.1.1: icmp\_seq=4 ttl=254 time=0.792 ms

active

Eth1/4

Eth1/4

: secondary

: 32667

: 32667

: 32667

: Success

: Vlan23

: 192.168.1.1

: keepalive : 3200

: 1

: secondary

: 192

: 1000 msec

: 5 seconds

: 3 seconds

(\*) - local vPC is down, forwarding via vPC peer-link

: peer adjacency formed ok

: success

: peer is alive

: success

: success

: Enabled

: Disabled

Active BDs

Peer Value

Rapid-PVST

Disabled

0

10

10

10,20

**Enabled** 

Enabled

Disabled

Normal, Disabled,

: Enabled, timer is off.(timeout = 240s)

: 1

: Disabled

Delay-restore orphan ports status : Timer is off.(timeout = 0s)

: Disabled

: Vlan23

: Success

Status Ports

active Eth1/1

: 00:23:04:ee:be:01

: 00:3a:9c:f6:be:42

: 00:3a:9c:ea:9e:c2

: peer is alive

: 2022.05.04 23:14:25 542 ms

: 2022.05.04 23:14:25 542 ms

: (0) seconds, (679) msec

: (119465) seconds, (466) msec

active Po10, Po23, Eth1/2, Eth1/3

active Po10, Po23, Eth1/2, Eth1/3

switchport trunk allowed vlan 10,20

switchport trunk allowed vlan 10,20

channel-group 20 mode active

switchport trunk allowed vlan 10,20

channel-group 20 mode active

channel-group 23 mode active

description \*\*\*VPC PEER KEEPALIVE LINK\*\*\*

interface Ethernet1/4

switchport mode trunk

interface Ethernet1/3

switchport mode trunk

interface Ethernet1/2

switchport mode trunk

switchport mode trunk

switchport trunk allowed vlan 10,20

spanning-tree port type network

N7K2-my-vdc# show run int eth1/2

description \*\*\*VPC PEER LINK\*\*\*

switchport trunk allowed vlan 10,20

channel-group 23 mode active

N7K2-my-vdc# show run int eth1/3

description \*\*\*Connected to N5K1\*\*\*

switchport trunk allowed vlan 10,20

channel-group 10 mode active

N7K2-my-vdc# show run int eth1/4

description \*\*\*Connected to N5K2\*\*\*

switchport trunk allowed vlan 10,20

channel-group 10 mode active

N7K2-my-vdc# show run int po10

switchport trunk allowed vlan 10,20

description \*\*\*Connected to N5K1/N5K2\*\*\*

peer-keepalive destination 192.168.1.1 source

interface Vlan23 N7K1-my-vdc# show run int eth1/1 <output omitted> interface Ethernet1/1 N7K1-my-vdc# show run int po23 <output omitted> interface port-channel23

description \*\*\*VPC PEER LINK\*\*\* switchport switchport mode trunk

switchport trunk allowed vlan 10,20 spanning-tree port type network vpc peer-link

N7K1-my-vdc# show run int eth1/2 <output omitted> interface Ethernet1/2 description \*\*\*VPC PEER LINK\*\*\* switchport switchport mode trunk switchport trunk allowed vlan 10,20 channel-group 23 mode active no shutdown

N7K1-my-vdc# show run int eth1/3 <output omitted> interface Ethernet1/3 description \*\*\*Connected to N5K1\*\*\* switchport switchport mode trunk switchport trunk allowed vlan 10,20 channel-group 10 mode active no shutdown N7K1-my-vdc# show run int eth1/4

<output omitted> interface Ethernet1/4 description \*\*\*Connected to N5K2\*\*\* switchport switchport mode trunk switchport trunk allowed vlan 10,20 channel-group 10 mode active no shutdown N7K1-my-vdc# show run int po10 <output omitted> interface port-channel10 description \*\*\*Connected to N5K1/N5K2\*\*\* switchport

switchport mode trunk switchport trunk allowed vlan 10,20 vpc 10 N5K1# show run vpc <output omitted> feature vpc vpc domain 10 peer-keepalive destination 192.168.1.2 source 192.168.1.1 vrf keepalive

interface port-channel20 vpc 20 interface port-channel23 vpc peer-link N5K1# show run int vlan23 <output omitted> interface Vlan23 no shutdown vrf member keepalive ip address 192.168.1.1/24

N5K1# show run int eth1/3 <output omitted> interface Ethernet1/3 description \*\*\*VPC PEER KEEPALIVE LINK\*\*\* switchport switchport access vlan 23 no shutdown N5K1# show run int po23 <output omitted> interface port-channel23

switchport

speed 10000

vpc peer-link

<output omitted>

interface Ethernet1/4

description \*\*\*VPC PEER LINK\*\*\*

switchport trunk allowed vlan 10,20

spanning-tree port type network

switchport mode trunk

N5K1# show run int eth1/4

N5K1# show run int eth1/2

description \*\*\*Connected to N7K2\*\*\*

64 bytes from 192.168.1.2: icmp\_seq=2 ttl=254 time=0.779 ms 64 bytes from 192.168.1.2: icmp seq=3 ttl=254 time=0.786 ms

64 bytes from 192.168.1.2: icmp\_seq=4 ttl=254 time=0.787 ms

active

Eth1/4

Eth1/4

: primary

: 32667

: 32667

: 32667

: Success

: Vlan23

: Success

: Vlan23

: 192.168.1.2 : 1000 msec

: keepalive

: 3200

: 1

: primary

: 5 seconds

: 3 seconds

(\*) - local vPC is down, forwarding via vPC peer-link

: peer adjacency formed ok

: success

: peer is alive

: success

: success

: Enabled

: Disabled

Active BDs

Peer Value

Rapid-PVST

Disabled

0

10

10

10,20

Enabled

Enabled

Disabled

Normal, Disabled,

: Enabled, timer is off.(timeout = 240s)

: 1

: Disabled

: Disabled

Status Ports

active Eth1/1

: 00:23:04:ee:be:01

: 00:3a:9c:ea:9e:c2

: 00:3a:9c:f6:be:42

: peer is alive

: 2022.05.04 23:04:50 419 ms

: 2022.05.04 23:04:50 420 ms

: (0) seconds, (674) msec

: (118774) seconds, (838) msec

active Po10, Po23, Eth1/2, Eth1/3

active Po10, Po23, Eth1/2, Eth1/3

switchport trunk allowed vlan 10,20

channel-group 20 mode active

<output omitted>

N7K1-my-vdc# show vlan brief

interface Ethernet1/2

switchport mode trunk

description \*\*\*VPC PEER LINK\*\*\* switchport switchport mode trunk switchport trunk allowed vlan 10,20 channel-group 23 mode active no shutdown N5K1# show run int eth1/1 <output omitted> interface Ethernet1/1 description \*\*\*Connected to N7K1\*\*\* switchport mode trunk switchport trunk allowed vlan 10,20 channel-group 20 mode active

N5K1# show run int po20 <output omitted> interface port-channel20 description \*\*\*Connected to N7K1/N7K2\*\*\* switchport mode trunk switchport trunk allowed vlan 10,20 speed 10000 vpc 20 **Basic Verification Commands:** N7K1-my-vdc# ping 192.168.1.2 vrf keepalive PING 192.168.1.2 (192.168.1.2): 56 data bytes 64 bytes from 192.168.1.2: icmp seq=0 ttl=254 time=0.971 ms 64 bytes from 192.168.1.2: icmp\_seq=1 ttl=254 time=0.901 ms

1 default 10 VLAN0010 20 VLAN0020 23 keepalive N7K1-my-vdc# show vpc role vPC Role status vPC role vPC system-mac vPC system-priority vPC local system-mac

vPC local role-priority

vPC peer system-mac

vPC peer role-priority

**VLAN Name** 

N7K1-my-vdc# show vpc peer-keepalive vPC keep-alive status --Peer is alive for --Send status --Last send at --Sent on interface --Receive status --Last receive at --Received on interface -- Last update from peer vPC Keep-alive parameters --Destination

--Keepalive interval --Keepalive timeout --Keepalive hold timeout --Keepalive vrf Keepalive udp port --Keepalive tos N7K1-my-vdc# show vpc Legend: vPC domain id Peer status

vPC keep-alive status Configuration consistency status Per-vlan consistency status Type-2 consistency status vPC role Number of vPCs configured Peer Gateway Dual-active excluded VLANs and BDs : -**Graceful Consistency Check** Auto-recovery status Delay-restore orphan ports status : Timer is off.(timeout = 0s) Operational Layer3 Peer-router Self-isolation vPC Peer-link status

id Port Status Active vlans -- --- -----1 Po23 up 10,20 vPC status Id Port Status Consistency: success Reason Active Vlans: 10,20 N7K1-my-vdc# show vpc consistency-parameters global Legend: Type 1: vPC will be suspended in case of mismatch Name

: 10

: Po10

: success

Type Local Value

1

1 Rapid-PVST

1 Disabled

- 10,20

I - Individual H - Hot-standby (LACP only) s - Suspended r - Module-removed

LACP

LACP

b - BFD Session Wait

N5K1# show vlan brief

1 Enabled

None

1

1 Normal, Disabled,

Disabled

P - Up in port-channel (members)

Eth1/3(P) Eth1/4(P)

Type Protocol Member Ports

64 bytes from 192.168.1.2: icmp\_seq=4 ttl=254 time=0.752 ms

Status Ports

active Eth1/5, Eth1/6, Eth1/7, Eth1/8

Eth1/9, Eth1/10, Eth1/11

Eth1/12, Eth1/13, Eth1/14 Eth1/15, Eth1/16, Eth1/17

Eth1/18, Eth1/19, Eth1/20

Eth1/21, Eth1/22, Eth1/23

Eth1/24, Eth1/25, Eth1/26

Eth1/27, Eth1/28, Eth1/29

Eth1/30, Eth1/31, Eth1/32 Eth1/33, Eth1/34, Eth1/35

Eth1/36, Eth1/37, Eth1/38

Eth1/39, Eth1/40, Eth1/41 Eth1/42, Eth1/43, Eth1/44

Eth1/45, Eth1/46, Eth1/47 Eth1/48, Eth2/1, Eth2/2, Eth2/3

active Po20, Po23, Eth1/1, Eth1/2

active Po20, Po23, Eth1/1, Eth1/2

Eth2/4, Eth2/5, Eth2/6

active Eth1/3

: 00:23:04:ee:be:0a

: peer is alive

: (4668) seconds, (497) msec

: 2022.05.04 23:06:48 603 ms

: 2022.05.04 23:06:48 604 ms

: (0) seconds, (804) msec

: 8c:60:4f:2c:14:81

Eth1/4

Eth1/4

: 32667

: 32667

: Success

: Vlan23

: Success

: Vlan23

: 192.168.1.2

: keepalive : 3200

: 192

: 10

: primary

Status Consistency Reason

up success success

Type Local Value

1 Rapid-PVST

None

1

1

1 Disabled

1

- 10,20

Type Protocol Member Ports

Eth1/1(P)

Eth1/4(P)

I - Individual H - Hot-standby (LACP only)

**LACP** 

**LACP** 

s - Suspended r - Module-removed

M - Not in use. Min-links not met

1

Enabled

1 Enabled

4000

P - Up in port-channel (members)

Normal, Disabled,

Disabled

[])

STP MST Region Name

STP Bridge Assurance

STP MST Simulate PVST

STP Port Type, Edge

**VLAN Mapping** STP Loopguard

capability

Allowed VLANs

Flags: D - Down

Group Port-

Channel

20 Po20(SU) Eth

23 Po23(SU) Eth

STP MST Region Revision

STP MST Region Instance to 1

BPDUFilter, Edge BPDUGuard

Interface-vlan admin up 2

Interface-vlan routing 2

Local suspended VLANs

IGMP Snooping Group-Limit 2

N5K1# show port-channel summ

S - Switched R - Routed

U - Up (port-channel)

2 ([], [], [], [], ([], [], [], [], [],

[])

: Disabled

: peer adjacency formed ok

: peer is alive

: success

: success

: Enabled

: Disabled

: 1000 msec

: 5 seconds

: primary

Eth1/2(P)

None

: up

STP MST Simulate PVST 1 Enabled STP Port Type, Edge BPDUFilter, Edge BPDUGuard STP MST Region Name STP Disabled STP Mode STP Bridge Assurance STP Loopguard STP MST Region Instance to 1 **VLAN Mapping** STP MST Region Revision 1 0 Interface-vlan admin up 2 10 Interface-vlan routing 2 10 capability Allowed VLANs Local error VLANs N7K1-my-vdc# show port-channel summ Flags: D - Down

S - Switched R - Routed U - Up (port-channel) M - Not in use. Min-links not met Group Port-Channel Po10(SU) Eth Po23(SU) Eth N5K1# ping 192.168.1.2 vrf keepalive PING 192.168.1.2 (192.168.1.2): 56 data bytes 64 bytes from 192.168.1.2: icmp\_seq=0 ttl=254 time=1.194 ms 64 bytes from 192.168.1.2: icmp\_seq=1 ttl=254 time=0.901 ms 64 bytes from 192.168.1.2: icmp seq=2 ttl=254 time=0.799 ms 64 bytes from 192.168.1.2: icmp\_seq=3 ttl=254 time=0.802 ms

**VLAN Name** 1 default

10 VLAN0010 20 VLAN0020 23 keepalive N5K1# show vpc role vPC Role status vPC role Dual Active Detection Status : 0

N5K1# show vpc peer-keepalive vPC keep-alive status Peer is alive for --Send status --Last send at --Sent on interface --Receive status --Last receive at --Received on interface

vPC system-mac

vPC system-priority

vPC local system-mac

vPC local role-priority

--Last update from peer vPC Keep-alive parameters --Destination --Keepalive interval --Keepalive timeout --Keepalive hold timeout : 3 seconds --Keepalive vrf --Keepalive udp port Legend:

--Keepalive tos N5K1# show vpc (\*) - local vPC is down, forwarding via vPC peer-link vPC domain id Peer status vPC keep-alive status Configuration consistency status: success Per-vlan consistency status Type-2 consistency status vPC role Number of vPCs configured Peer Gateway

**Dual-active excluded VLANs** Graceful Consistency Check Operational Layer3 Peer-router : Disabled Auto-recovery status vPC Peer-link status id Port Status Active vlans

id Port 20

----1 Po23 up 10,20 vPC status Po20 N5K1# show vpc consistency-parameters global

Legend: Type 1: vPC will be suspended in case of mismatch Name

QoS Network QoS (MTU) Network Qos (Pause)

Input Queuing (Bandwidth) 2 (100, 0, 0, 0, 0, 0) (100, 0, 0, 0, 0, 0) Input Queuing (Absolute 2 (F, F, F, F, F, F) (F, F, F, F, F)

Output Queuing (Bandwidth) 2 (100, 0, 0, 0, 0, 0) (100, 0, 0, 0, 0, 0) Output Queuing (Absolute 2 (F, F, F, F, F, F) (F, F, F, F, F) Vlan to Vn-segment Map STP Mode STP Disabled