

Eth101/1/3, Eth101/1/4 Eth101/1/5, Eth101/1/6 Eth101/1/7, Eth101/1/8 Eth101/1/9, Eth101/1/10 Eth101/1/11, Eth101/1/12 Eth101/1/13, Eth101/1/14 Eth101/1/15, Eth101/1/16 Eth101/1/17, Eth101/1/18 Eth101/1/19, Eth101/1/20 Eth101/1/21, Eth101/1/22 Eth101/1/23, Eth101/1/24 Eth101/1/25, Eth101/1/26 Eth101/1/27, Eth101/1/28 Eth101/1/29, Eth101/1/30

Eth1/41, Eth1/42, Eth1/43

Eth1/44, Eth1/45, Eth1/46

Eth101/1/1, Eth101/1/2

Eth101/1/31, Eth101/1/32

Eth102/1/1, Eth102/1/2

Eth102/1/3, Eth102/1/4

Eth1/47, Eth1/48, Eth2/1, Eth2/2

Eth2/3, Eth2/4, Eth2/5, Eth2/6

10 VLAN0010 11 VLAN0011 12 VLAN0012 13 VLAN0013 14 VLAN0014 15 VLAN0015 Eth101/1/31, Eth102/1/32 16 VLAN0016 Eth101/1/31, Eth102/1/32 17 VLAN0017

18 VLAN0018

19 VLAN0019

20 VLAN0020

101 VLAN0101

N5K-1# sh vpc role

vPC Role status

vPC system-mac

vPC system-priority

vPC local system-mac

vPC local role-priority

vPC role

N5K-1# sh 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

N5K-1# sh vpc Legend: vPC domain id Peer status vPC keep-alive status

--Keepalive timeout

--Keepalive udp port

--Keepalive vrf

--Keepalive tos

--Keepalive hold timeout

Dual-active excluded VLANs Graceful Consistency Check Auto-recovery status vPC Peer-link status vPC status

Peer Gateway

vPC role

101 Po101 102 Po102 262464 Po321 Name QoS

Priority) Priority) Maps

STP Mode STP Disabled STP MST Region Name STP MST Region Revision 1 0 STP MST Region Instance to 1 **VLAN Mapping** STP Loopguard STP Bridge Assurance STP Port Type, Edge BPDUFilter, Edge BPDUGuard

STP MST Simulate PVST

Allowed VLANs

IGMP Snooping Group-Limit 2 4000

101 Po101(SU) Eth 102 Po102(SU) Eth 123 Po123(SU) Eth 321 Po321(SU) Eth N5K-1# sh int fex-fabric Fabric Fabric Fex Port Port State Uplink Model 101 Eth1/4 Active 1 101 Eth1/5 Active 2

102 Eth1/6 Active 1 102 Eth1/7 N5K-1# sh fex FEX FEX 101 FEX0101 102 FEX0102 N5K-1# sh fex 101

vfc101

N5K-1# sh fex 102 Extender Serial: SSI1350064Y FCoE Admin: true FCoE Oper: false FCoE FEX AA Configured: true Fabric interface state:

Po102 - Interface Up. State: Active Eth1/6 - Interface Up. State: Active Eth1/7 - Interface Up. State: Active N5K-1# sh vsan membership vsan 1 interfaces: vsan 101 interfaces: vsan 4079(evfp isolated vsan) interfaces:

vsan 4094(isolated_vsan) interfaces:

Eth102/1/5, Eth102/1/6 Eth102/1/7, Eth102/1/8 Eth102/1/9, Eth102/1/10 Eth102/1/11, Eth102/1/12 Eth102/1/13, Eth102/1/14 Eth102/1/15, Eth102/1/16 Eth102/1/17, Eth102/1/18 Eth102/1/19, Eth102/1/20 Eth102/1/21, Eth102/1/22 Eth102/1/23, Eth102/1/24 Eth102/1/25, Eth102/1/26 Eth102/1/27, Eth102/1/28 Eth102/1/29, Eth102/1/30 Eth102/1/31, Eth102/1/32 active Po123, Po321, Eth1/1, Eth1/2 Eth101/1/31, Eth102/1/32 active Po123, Po321, Eth1/1, Eth1/2

Eth101/1/31, Eth102/1/32

Eth101/1/31, Eth102/1/32

Eth101/1/31, Eth102/1/32

Eth101/1/31, Eth102/1/32

Eth101/1/31, Eth102/1/32

: secondary Dual Active Detection Status : 0 : 00:23:04:ee:be:7b : 32667 : 00:3a:9c:b4:31:fc : 32667 : peer is alive : (119883) seconds, (293) msec : Success : 2022.12.09 02:06:30 223 ms : mgmt0 : Success : 2022.12.09 02:06:30 224 ms : mgmt0 : (0) seconds, (709) msec

(*) - local vPC is down, forwarding via vPC peer-link : 123 : peer adjacency formed ok : peer is alive Configuration consistency status: success Per-vlan consistency status : success Type-2 consistency status : success : secondary Number of vPCs configured : 67 : Disabled : Enabled : Enabled (timeout = 240 seconds)

: 10.82.138.227

: 1000 msec

: 5 seconds

: management

: 3200

: 192

: 3 seconds

id Port Status Active vlans ____ Status Consistency Reason up success success up success success up success success

Active vlans 1.10-20.101 Type 1: vPC will be suspended in case of mismatch Type Local Value Peer Value 2 ([], [3], [], [], ([], [3], [], [], [],

[])

1 Po123 up 1,10-20 id Port N5K-1# sh vpc consistency-parameters global

2 (1538, 2196, 0, 0, 0, (1538, 2196, 0, 0, 0, Network QoS (MTU) 0) Network Qos (Pause) 2 (F, T, F, F, F, F) (F, T, F, F, F, F) Input Queuing (Bandwidth) 2 (50, 50, 0, 0, 0, 0) (50, 50, 0, 0, 0, 0) Output Queuing (Bandwidth) 2 (50, 50, 0, 0, 0, 0) (50, 50, 0, 0, 0, 0) Output Queuing (Absolute 2 (F, F, F, F, F, F) (F, F, F, F, F) Vlan to Vn-segment Map 1 No Relevant Maps No Relevant 1 Rapid-PVST Rapid-PVST 1 None None

1 ""

1 Disabled

- 1,10-20

- 101

1 Enabled

1 Enabled

1 Normal, Disabled,

Disabled

0

Disabled

1,10-20

Enabled

Enabled

4000

Normal, Disabled,

Disabled

Local suspended VLANs N5K-1# sh port-channel summ Flags: D - Down P - Up in port-channel (members) I - Individual H - Hot-standby (LACP only) s - Suspended r - Module-removed S - Switched R - Routed U - Up (port-channel) M - Not in use. Min-links not met Type Protocol Member Ports **Group Port-**Channel NONE Eth1/4(P) Eth1/5(P)NONE Eth1/6(P) Eth1/7(P) LACP Eth1/1(P) Eth1/2(P)Eth101/1/31(P) Eth102/1/32(P) NONE

FEX

Fex

Serial

N2K-C2232PP-10GE SSI1350063M

N2K-C2232PP-10GE SSI1350063M

N2K-C2232PP-10GE SSI1350064Y

Fex

Active 2 N2K-C2232PP-10GE SSI1350064Y FEX FEX Fex Number Description State Model Serial Online N2K-C2232PP-10GE SSI1350063M Online N2K-C2232PP-10GE SSI1350064Y FEX: 101 Description: FEX0101 state: Online FEX version: 7.0(1)N1(1) [Switch version: 7.0(1)N1(1)] Extender Serial: SSI1350063M Extender Model: N2K-C2232PP-10GE, Part No: 73-12533-03 Pinning-mode: static Max-links: 1 Fabric port for control traffic: Eth1/4

FCoE Admin: true FCoE Oper: false FCoE FEX AA Configured: true Fabric interface state: Po101 - Interface Up. State: Active Eth1/4 - Interface Up. State: Active Eth1/5 - Interface Up. State: Active FEX: 102 Description: FEX0102 state: Online FEX version: 7.0(1)N1(1) [Switch version: 7.0(1)N1(1)] Extender Model: N2K-C2232PP-10GE, Part No: 73-12533-03 Pinning-mode: static Max-links: 1 Fabric port for control traffic: Eth1/6

Additional FC/FCoE Verification Commands: sh fcoe database sh flogi database

> sh fcns database sh fcroute summary

sh fcdomain vsan <vsan-id>

Eth1/41, Eth1/42, Eth1/43

Eth1/44, Eth1/45, Eth1/46

Eth101/1/1, Eth101/1/2

Eth101/1/11, Eth101/1/12

active Po123, Po321, Eth1/1, Eth1/2

Eth101/1/31, Eth102/1/32

: 00:23:04:ee:be:7b

: peer is alive

: (121201) seconds, (171) msec

: 2022.12.09 02:31:53 156 ms

: (0) seconds, (322) msec

: 00:3a:9c:b4:2c:41

: 32667

: 32667

: Success

: mgmt0

: mgmt0

: 1000 msec

: management

: 3200

: 192

: 123

: primary

Configuration consistency status: success

: peer adjacency formed ok

: peer is alive

: success

: success

: 67

: Enabled

: Enabled (timeout = 240 seconds)

Active vlans

1,10-20,102

No Relevant

Normal, Disabled,

Disabled

Peer Value

2 (1538, 2196, 0, 0, 0, (1538, 2196, 0, 0, 0,

Rapid-PVST

None

0

Disabled

1,10-20

Eth1/6(P) Eth1/7(P)

Eth1/1(P) Eth1/2(P)

Serial

Fex

Online N2K-C2232PP-10GE SSI1350064Y

Serial

Model

Fex

Enabled

Enabled

4000

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

0)

1

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

s - Suspended r - Module-removed

M - Not in use. Min-links not met

S - Switched R - Routed

U - Up (port-channel)

0

Disabled

P - Up in port-channel (members)

: Disabled

: 5 seconds

: Success

Eth1/47, Eth1/48, Eth2/1, Eth2/2

Eth2/3, Eth2/4, Eth2/5, Eth2/6

Eth101/1/3, Eth101/1/4 Eth101/1/5, Eth101/1/6 Eth101/1/7, Eth101/1/8 Eth101/1/9, Eth101/1/10 Eth101/1/13, Eth101/1/14 Eth101/1/15, Eth101/1/16 Eth101/1/17, Eth101/1/18 Eth101/1/19, Eth101/1/20 Eth101/1/21, Eth101/1/22 Eth101/1/23, Eth101/1/24 Eth101/1/25, Eth101/1/26 Eth101/1/27, Eth101/1/28 Eth101/1/29, Eth101/1/30 Eth101/1/31, Eth101/1/32 Eth102/1/1, Eth102/1/2 Eth102/1/3, Eth102/1/4 Eth102/1/5, Eth102/1/6 Eth102/1/7, Eth102/1/8 Eth102/1/9, Eth102/1/10 Eth102/1/11, Eth102/1/12 Eth102/1/13, Eth102/1/14 Eth102/1/15, Eth102/1/16 Eth102/1/17, Eth102/1/18 Eth102/1/19, Eth102/1/20 Eth102/1/21, Eth102/1/22 Eth102/1/23, Eth102/1/24 Eth102/1/25, Eth102/1/26 Eth102/1/27, Eth102/1/28 Eth102/1/29, Eth102/1/30 Eth102/1/31, Eth102/1/32 10 VLAN0010 Eth101/1/31, Eth102/1/32 11 VLAN0011

12 VLAN0012

13 VLAN0013

14 VLAN0014

15 VLAN0015

16 VLAN0016

17 VLAN0017

18 VLAN0018

19 VLAN0019

20 VLAN0020

102 VLAN0102

N5K-2# sh vpc role vPC Role status vPC role : primary Dual Active Detection Status : 0 vPC system-mac vPC system-priority vPC local system-mac vPC local role-priority N5K-2# sh vpc peer-keepalive vPC keep-alive status --Peer is alive for --Send status : 2022.12.09 02:31:53 122 ms --Last send at --Sent on interface --Receive status --Last receive at --Received on interface --Last update from peer vPC Keep-alive parameters --Destination : 10.82.138.226 --Keepalive interval --Keepalive timeout --Keepalive hold timeout : 3 seconds --Keepalive vrf --Keepalive udp port --Keepalive tos N5K-2# sh vpc Legend: (*) - local vPC is down, forwarding via vPC peer-link

Type-2 consistency status vPC role Number of vPCs configured Peer Gateway Dual-active excluded VLANs Graceful Consistency Check Auto-recovery status vPC Peer-link status id Port Status Active vlans 1 Po123 up 1,10-20 vPC status id Port Status Consistency Reason 101 Po101 up success success 102 Po102 up success success 262464 Po321 up success success N5K-2# sh vpc consistency-parameters global

vPC domain id

vPC keep-alive status

Per-vlan consistency status

Peer status

Type 1: vPC will be suspended in case of mismatch Type Local Value Name _____ 2 ([], [3], [], [], ([], [3], [], [], [], QoS Network QoS (MTU) 0) Network Qos (Pause) Input Queuing (Bandwidth) 2 (50, 50, 0, 0, 0, 0) (50, 50, 0, 0, 0, 0) Input Queuing (Absolute 2 (F, F, F, F, F, F) (F, F, F, F, F, F) Priority) Output Queuing (Bandwidth) 2 (50, 50, 0, 0, 0, 0) (50, 50, 0, 0, 0, 0) Output Queuing (Absolute 2 (F, F, F, F, F, F) (F, F, F, F, F) Priority) Maps STP Mode

Vlan to Vn-segment Map 1 No Relevant Maps Rapid-PVST 1 STP Disabled None 1 STP MST Region Name STP MST Region Revision 1 STP MST Region Instance to 1 **VLAN Mapping** STP Loopguard 1 Disabled STP Bridge Assurance 1 Enabled STP Port Type, Edge 1 Normal, Disabled, BPDUFilter, Edge BPDUGuard STP MST Simulate PVST 1 Enabled IGMP Snooping Group-Limit 2 4000 Allowed VLANs - 1,10-20 Local suspended VLANs - 102 N5K-2# sh port-channel summ

Flags: D - Down

FEX

101

102

FEX0102

N5K-2# sh fex 102

vfc102

Type Protocol Member Ports Group Port-Channel 101 Po101(SU) Eth NONE Eth1/4(P) Eth1/5(P)102 Po102(SU) Eth NONE 123 Po123(SU) Eth LACP 321 Po321(SU) Eth NONE Eth101/1/31(P) Eth102/1/32(P) N5K-2# sh int fex-fabric Fabric Fex Fabric FEX Fex Port Port State Uplink Model 101 Eth1/4 N2K-C2232PP-10GE SSI1350063M Active 3 101 Eth1/5 Active 4 N2K-C2232PP-10GE SSI1350063M 102 Eth1/6 Active 3 N2K-C2232PP-10GE SSI1350064Y 102 Eth1/7 Active 4 N2K-C2232PP-10GE SSI1350064Y N5K-2# sh fex **FEX** FEX FEX Number Description State FEX0101 Online N2K-C2232PP-10GE SSI1350063M

N5K-2# sh fex 101 FEX: 101 Description: FEX0101 state: Online FEX version: 7.0(1)N1(1) [Switch version: 7.0(1)N1(1)] Extender Serial: SSI1350063M Extender Model: N2K-C2232PP-10GE, Part No: 73-12533-03 Keepalive pending for 1 intervals Pinning-mode: static Max-links: 1 Fabric port for control traffic: Eth1/4 FCoE Admin: true FCoE Oper: false FCoE FEX AA Configured: true Fabric interface state: Po101 - Interface Up. State: Active Eth1/4 - Interface Up. State: Active Eth1/5 - Interface Up. State: Active

FEX: 102 Description: FEX0102 state: Online

Extender Serial: SSI1350064Y

Pinning-mode: static Max-links: 1

Fabric port for control traffic: Eth1/6

FEX version: 7.0(1)N1(1) [Switch version: 7.0(1)N1(1)]

Extender Model: N2K-C2232PP-10GE, Part No: 73-12533-03

FCoE Admin: true FCoE Oper: false FCoE FEX AA Configured: true Fabric interface state: Po102 - Interface Up. State: Active Eth1/6 - Interface Up. State: Active Eth1/7 - Interface Up. State: Active N5K-2# sh vsan membership vsan 1 interfaces: vsan 102 interfaces: vsan 4079(evfp_isolated_vsan) interfaces:

vsan 4094(isolated_vsan) interfaces:

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