



Configuration:

N9K-A# show flogi database

INTERFACE	VSAN	FCID	PORT NAME	NODE NAME
vfc1000	1048	0xe10000	20:00:00:25:b5:00:08:01	20:00:00:25:b5:00:08:01

N9K-A# show fcns database

VSAN 1048:				
FCID	TYPE	PWWN	(VENDOR)	FC4-TYPE:FEATURE
0xe10000	N	20:00:00:25:b5:00:08:01	(Cisco)	scsi-fcp:init fc-gs
<... output omitted ...>				

MDS# show flogi database

No flogi sessions found.

MDS# show fcns database

VSAN 1048:				
FCID	TYPE	PWWN	(VENDOR)	FC4-TYPE:FEATURE
0xe10000	N	20:00:00:25:b5:00:08:01	(Cisco)	scsi-fcp:init fc-gs
<... output omitted ...>				

N9K-A# configure terminal

N9K-A(config)# install feature-set fcoe-npv

fcoe-npv feature-set cannot be installed since fcoe feature-set is already installed/enabled(0x40aa002c)

N9K-A(config)# no feature-set fcoe

no feature-set fcoe command is allowed only when there is no FC ports configured. Convert all FC ports to Eth and try again

N9K-A(config)# slot 1

N9K-A(config-slot)# port 45-48 type ethernet

Port type is changed. ACTION REQUIRED: Please save configurations and reload the switch

N9K-A(config)# copy running-config startup-config

[#####] 100%

Copy complete, now saving to disk (please wait)...

Copy complete.

N9K-A(config)# reload

This command will reboot the system. (y/n)? [n] y

N9K-A# configure terminal

N9K-A(config)# no feature-set fcoe

Feature-set Operation may take up to 30 minutes depending on the size of configuration.

Disabling feature-set. ACTION REQUIRED: Copy the running config to startup and reload the box for the

disable to take effect correctly

N9K-A(config)# no install feature-set fcoe

N9K-A(config)# copy running-config startup-config

[#####] 100%

Copy complete, now saving to disk (please wait)...

Copy complete.

N9K-A(config)# reload

This command will reboot the system. (y/n)? [n] y

N9K-A# configure terminal

N9K-A(config)# install feature-set fcoe-npv

N9K-A(config)# feature-set fcoe-npv

N9K-A(config)# slot 1

N9K-A(config-slot)# port 45-48 type fc

Port type is changed. Please reload the switch

N9K-A(config-slot)# copy running-config startup-config

[#####] 100%

Copy complete, now saving to disk (please wait)...

N9K-A(config-slot)# reload

WARNING: This command will reboot the system

Do you want to continue? (y/n) [n] y

<... output omitted ...>

N9K-A# configure terminal

N9K-A(config)# interface fc1/47-48

N9K-A(config-if)# channel-group 10

fc1/47 fc1/48 added to port-channel 10 and disabled

please do the same operation on the switch at the other end of the port-channel,

then do "no shutdown" at both ends to bring it up

N9K-A(config-if)# no shutdown

N9K-A(config-if)# interface san-port-channel 10

N9K-A(config-if)# switchport mode ?

E E port mode

F F port mode

NP NP port mode for N-Port Virtualizer (NPV) only

auto Autosense mode

N9K-A(config-if)# switchport mode np

N9K-A(config-if)# channel mode active

N9K-A(config-if)# vlan 1000

N9K-A(config-vlan)# fcoe vsan 1048

N9K-A(config-vlan)# interface vfc1000

N9K-A(config-if)# bind interface Ethernet1/5

N9K-A(config-if)# switchport trunk allowed vsan 1048

Warning: This command will remove all VSANs currently being trunked and trunk only the specified VSANs.

Do you want to continue? (y/n) [n] y

N9K-A(config-if)# no shutdown

N9K-A(config-if)# vsan database

N9K-A(config-vsan-db)# vsan 1048

N9K-A(config-vsan-db)# vsan 1048 interface san-port-channel 10

N9K-A(config-vsan-db)# vsan 1048 interface vfc1000

N9K-A(config-if)# show wwn switch

Switch WWN is 20:00:ac:4a:67:bc:d4:40

MDS# show wwn oui | i ac4a67

MDS# configure terminal

MDS(config)# wwn oui 0xac4a67

MDS(config)# show wwn oui | i ac4a67

0xac4a67 Cisco Static

MDS(config)# show feature | i npiv

npiv 1 enabled

MDS(config)# interface port-channel 10

MDS(config-if)# switchport mode f

MDS(config-if)# channel mode active

MDS(config-if)# shutdown

MDS(config-if)# no shutdown

N9K-A(config)# interface san-port-channel 10

N9K-A(config-if)# shutdown

N9K-A(config-if)# no shutdown

MDS# show interface port-channel 10

port-channel 10 is up

<... output omitted ...>

Port mode is F

Port vsan is 1048

<... output omitted ...>

N9K-A# show interface san-port-channel 10

san-port-channel 10 is up

<... output omitted ...>

Port mode is NP

Port vsan is 1048

<... output omitted ...>

N9K-A# show npv status

npiv is disabled

disruptive load balancing is disabled

External Interfaces:

=====

Interface: san-port-channel 10, State: Up

VSAN: 1048, State: Up, FCID: 0xf10000

Number of External Interfaces: 1

Server Interfaces:

=====

Interface: vfc1000, VSAN: 1048, State: Up

Number of Server Interfaces: 1

MDS# show flogi database

INTERFACE	VSAN	FCID	PORT NAME	NODE NAME
port-channel10	1048	0xf10000	24:0a:ac:4a:67:bc:d4:40	23:ee:ac:4a:67:bc:d4:41
port-channel10	1048	0xe10000	20:00:00:25:b5:00:08:01	20:00:00:25:b5:00:08:01

Total number of flogi = 2.

MDS# show fcns database

VSAN 1048:				
FCID	TYPE	PWWN	(VENDOR)	FC4-TYPE:FEATURE
0xf10000	N	24:0a:ac:4a:67:bc:d4:40	(Cisco)	229
0xe10000	N	20:00:00:25:b5:00:08:01	(Cisco)	scsi-fcp:init fc-gs
<... output omitted ...>				

N9K-A# show npv flogi-table

SERVER			PORT NAME	EXTERNAL
INTERFACE	VSAN	FCID	(NODE NAME)	INTERFACE

vfc1000	1048	0xe10000	20:00:00:25:b5:00:08:01	San-po10
			(20:00:00:25:b5:00:08:01)	

Total number of flogi = 1.

N9K-A# copy running-config startup-config

MDS# copy running-config startup-config