

Configuration:

N9K-A# show device-alias status
Fabric Distribution: Enabled
Database:- Device Aliases 0 Mode: Enhanced
Checksum: 0xb713791d47fd2d205e1a5fa01ea9c447

MDS# show device-alias status
Fabric Distribution : Enabled
Database:- Device Aliases 0 Mode: Enhanced
Checksum: 0xb713791d47fd2d205e1a5fa01ea9c447

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# configure terminal
N9K-A(config)# device-alias database
N9K-A(config-device-alias-db)# device-alias name SERVER pwwn 20:00:00:25:b5:00:08:01
N9K-A(config-device-alias-db)# device-alias commit

MDS# show device-alias database
device-alias name SERVER pwwn 20:00:00:25:b5:00:08:01

Total number of entries = 1

MDS# show fcns database

VSAN 1048:	
FCID	TYPE PWWN (VENDOR) FC4-TYPE:FEATURE
0xe10000	N 20:00:00:25:b5:00:08:01 [SERVER]

Total number of entries = 1

N9K-A# show zone status vsan 1048
VSAN: 1048 default-zone: deny distribute: active only Interop: default
mode: basic merge-control: allow
session: none
hard-zoning: enabled broadcast: unsupported
smart-zoning: disabled
<... output omitted ...>

MDS# show zone status vsan 1048
VSAN: 1048 default-zone: deny distribute: active only Interop: default
mode: basic merge-control: allow
session: none
hard-zoning: enabled broadcast: unsupported
smart-zoning: disabled
<... output omitted ...>

N9K-A# show fcns database

VSAN 1048:	
FCID	TYPE PWWN (VENDOR) FC4-TYPE:FEATURE
0xe10000	N 20:00:00:25:b5:00:08:01 [SERVER]

Total number of entries = 1

N9K-A(config)# zone name SERVER-NETAPP vsan 1048

N9K-A(config-zone)# member device-alias SERVER

N9K-A(config)# zoneset name ZONESET-SERVER-NETAPP vsan 1048

N9K-A(config-zoneset)# member SERVER-NETAPP

N9K-A# show zone vsan 1048

zone name SERVER-NETAPP vsan 1048

device-alias SERVER

N9K-A# show zone active vsan 1048

Zone not present

N9K-A# show zoneset vsan 1048

zoneset name ZONESET-SERVER-NETAPP vsan 1048

zone name SERVER-NETAPP vsan 1048

device-alias SERVER

N9K-A# show zoneset active vsan 1048

Zoneset not present

MDS# show zone vsan 1048

Zone not present

MDS# show zone active vsan 1048

Zone not present

MDS# show zoneset vsan 1048

Zoneset not present

MDS# show zoneset active vsan 1048

Zoneset not present

N9K-A(config)# zoneset distribute full vsan 1048

N9K-A(config)# zoneset activate name ZONESET-SERVER-NETAPP vsan 1048

Zoneset activation initiated. check zone status

N9K-A# show zone active vsan 1048

zone name SERVER-NETAPP vsan 1048

* fcid 0xe10000 [device-alias SERVER]

MDS# show zone vsan 1048

zone name SERVER-NETAPP vsan 1048

device-alias SERVER

MDS# show zone active vsan 1048

zone name SERVER-NETAPP vsan 1048

* fcid 0xe10000 [device-alias SERVER]

MDS# show zoneset vsan 1048

zoneset name ZONESET-SERVER-NETAPP vsan 1048

zone name SERVER-NETAPP vsan 1048

device-alias SERVER

MDS# show zoneset active vsan 1048

zoneset name ZONESET-SERVER-NETAPP vsan 1048

zone name SERVER-NETAPP vsan 1048

* fcid 0xe10000 [device-alias SERVER]

MDS(config)# configure terminal

MDS(config)# zone mode enhanced vsan 1048

WARNING: This command would distribute the zoning database of this switch throughout the fabric. Do you want to continue? (y/n) [n] y
Set zoning mode command initiated. Check zone status

MDS# show zone status vsan 1048

VSAN: 1048 default-zone: deny distribute: full Interop: default
mode: enhanced merge-control: allow
session: none
hard-zoning: enabled broadcast: unsupported
smart-zoning: disabled
<... output omitted ...>

N9K-A# show zone status vsan 1048

VSAN: 1048 default-zone: deny distribute: full Interop: default
mode: enhanced merge-control: allow
session: none
hard-zoning: enabled broadcast: unsupported
smart-zoning: disabled
<... output omitted ...>

N9K-A# configure terminal

N9K-A(config)# device-alias database

N9K-A(config-device-alias-db)# device-alias name TEST pwwn 20:00:00:25:b5:00:00:01

N9K-A(config-device-alias-db)# device-alias commit

N9K-A(config)# zone mode enhanced vsan 1048

device-alias name TEST pwwn 20:00:00:25:b5:00:00:01

device-alias name SERVER pwwn 20:00:00:25:b5:00:08:01

Total number of entries = 2

MDS# show device-alias database

device-alias name TEST pwwn 20:00:00:25:b5:00:00:01

device-alias name SERVER pwwn 20:00:00:25:b5:00:08:01

Total number of entries = 2

N9K-A(config)# zone name SERVER-NETAPP vsan 1048

N9K-A(config-zone)# member device-alias TEST

Enhanced zone session has been created. Please 'commit' the changes when done.

N9K-A# show zone pending vsan 1048

zone name SERVER-NETAPP vsan 1048

device-alias SERVER

device-alias TEST

N9K-A# show zone active vsan 1048

zone name SERVER-NETAPP vsan 1048

* fcid 0xe10000 [device-alias SERVER]

N9K-A(config)# zoneset activate name ZONESET-SERVER-NETAPP vsan 1048

N9K-A(config)# zone commit vsan 1048

Commit operation initiated. Check zone status

N9K-A# show zone vsan 1048

zone name SERVER-NETAPP vsan 1048

device-alias SERVER

device-alias TEST

N9K-A# show zone active vsan 1048

zone name SERVER-NETAPP vsan 1048

* fcid 0xe10000 [device-alias SERVER]

device-alias TEST

MDS# show zone vsan 1048

zone name SERVER-NETAPP vsan 1048

device-alias SERVER

device-alias TEST

MDS# show zone active vsan 1048

zone name SERVER-NETAPP vsan 1048

* fcid 0xe10000 [device-alias SERVER]

device-alias TEST

MDS# show interface fc1/3

fc1/3 is down (isolation due to zone merge failure)

Hardware is Fibre Channel, SFP is short wave laser w/o OFC (SN)

Port WWN is 20:03:00:3a:9c:54:3d:f0

Admin port mode is E, trunk mode is auto

snmp link state traps are enabled

Port vlan is 1048

<... output omitted ...>

MDS# configure terminal

MDS(config)# zoneset import interface fc1/3 vsan 1048

MDS# show zoneset active vsan 1048

zoneset name Zoneset-Host-NetApp vsan 1048

zone name Host-NetApp vsan 1048

* fcid 0xe10000 [pwwn 20:00:00:25:b5:00:08:01] [SERVER]

pwwn 20:00:00:25:b5:00:08:01

* fcid 0xad3ea6 [pwwn 20:03:00:a0:98:d5:6c:36]

* fcid 0xad40a6 [pwwn 20:05:00:a0:98:d5:6c:36]

zone name IVR vsan 1048

* fcid 0xe10000 [pwwn 20:00:00:25:b5:00:08:01] [SERVER]

pwwn 20:00:00:25:b5:00:08:01

* fcid 0xad3ea6 [pwwn 20:03:00:a0:98:d5:6c:36]

* fcid 0xad40a6 [pwwn 20:05:00:a0:98:d5:6c:36]

N9K-A# show zoneset active vsan 1048

zoneset name Zoneset-Host-NetApp vsan 1048

zone name Host-NetApp vsan 1048

* fcid 0xe10000 [pwwn 20:00:00:25:b5:00:08:01] [SERVER]

pwwn 20:00:00:25:b5:00:08:01

* fcid 0xad3ea6 [pwwn 20:03:00:a0:98:d5:6c:36]

* fcid 0xad40a6 [pwwn 20:05:00:a0:98:d5:6c:36]

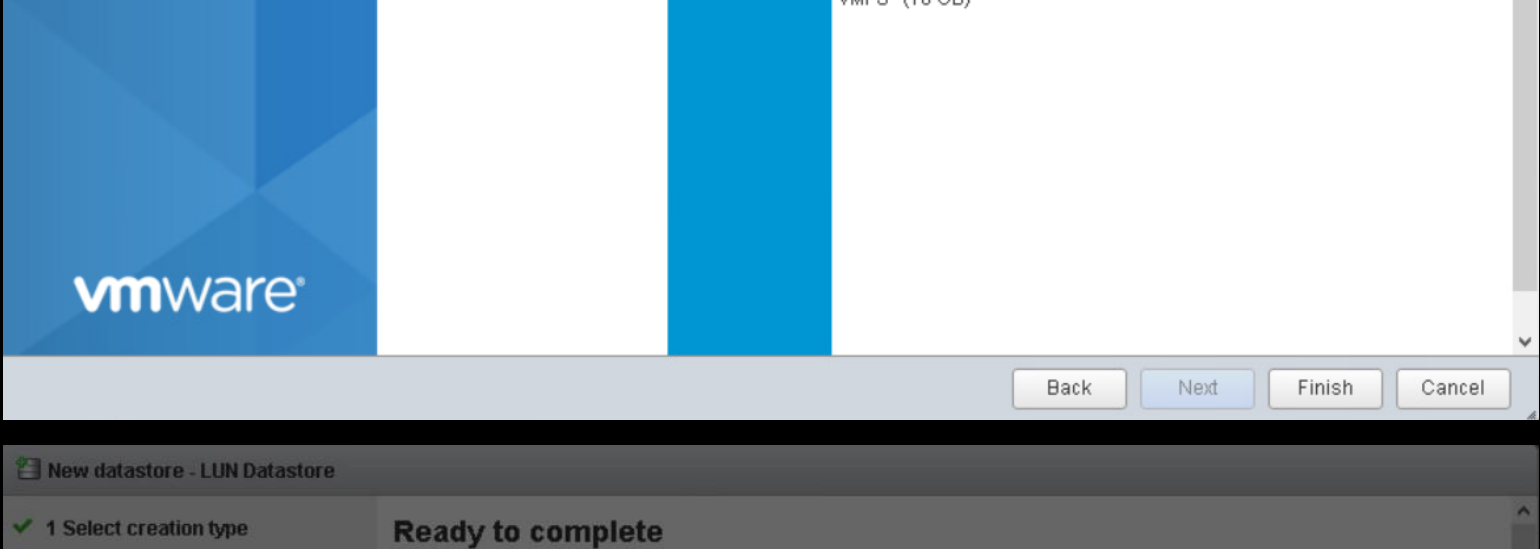
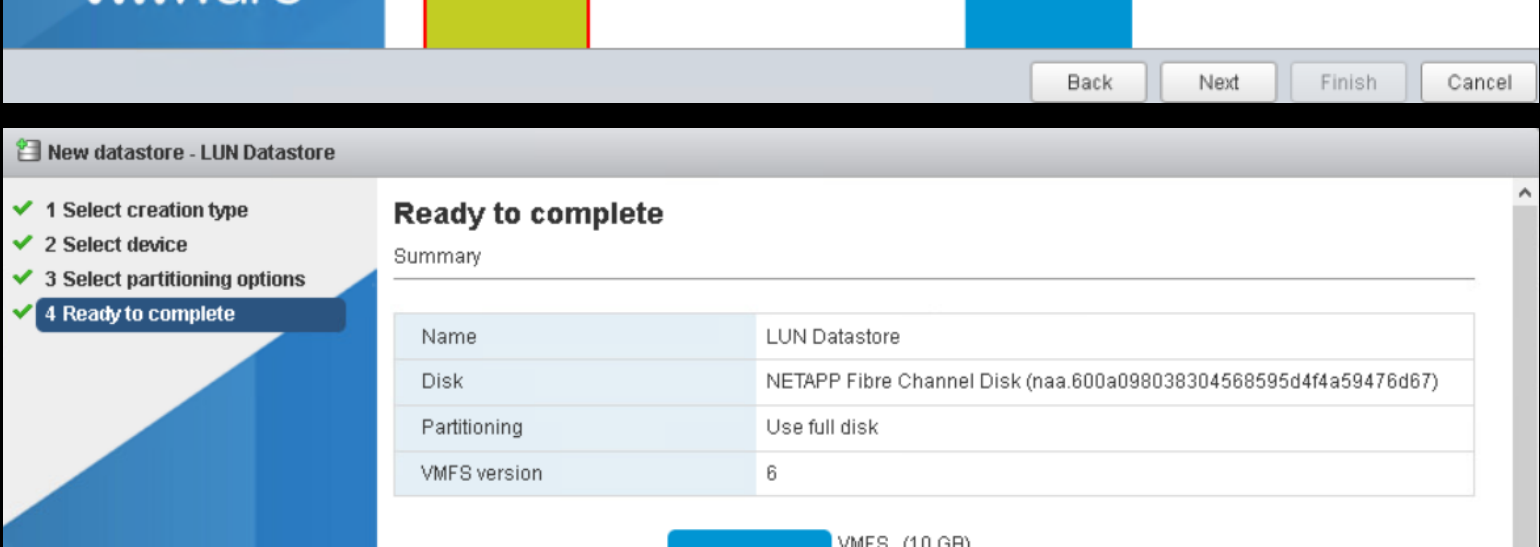
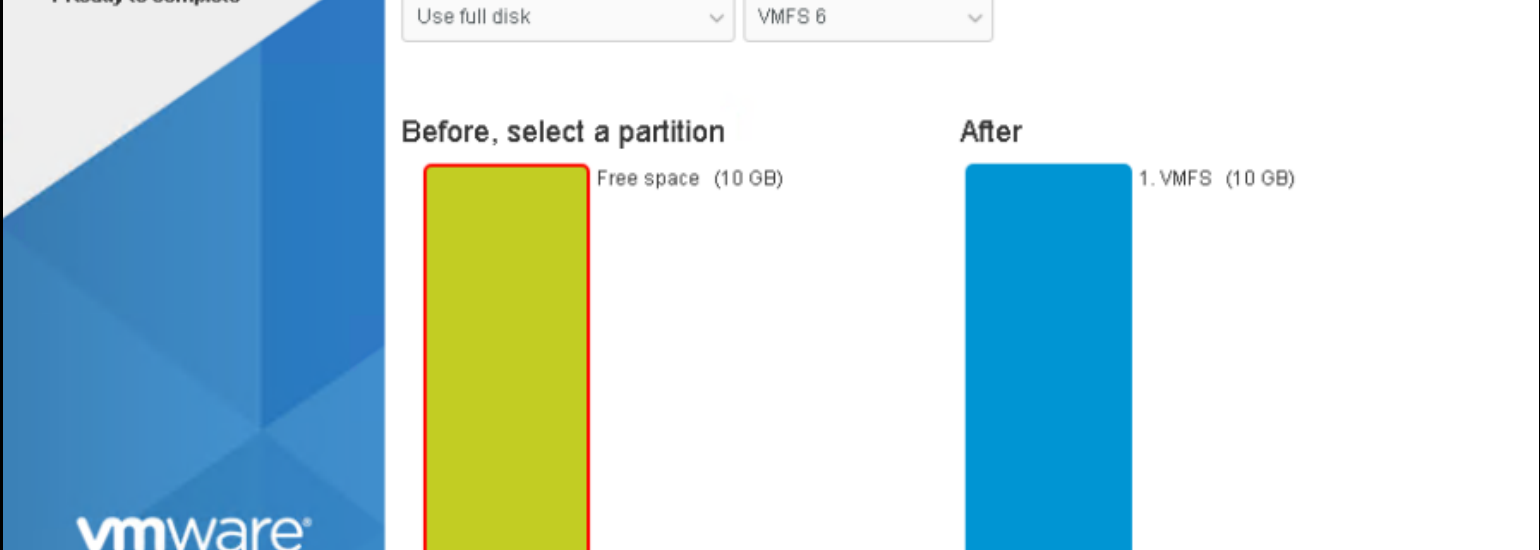
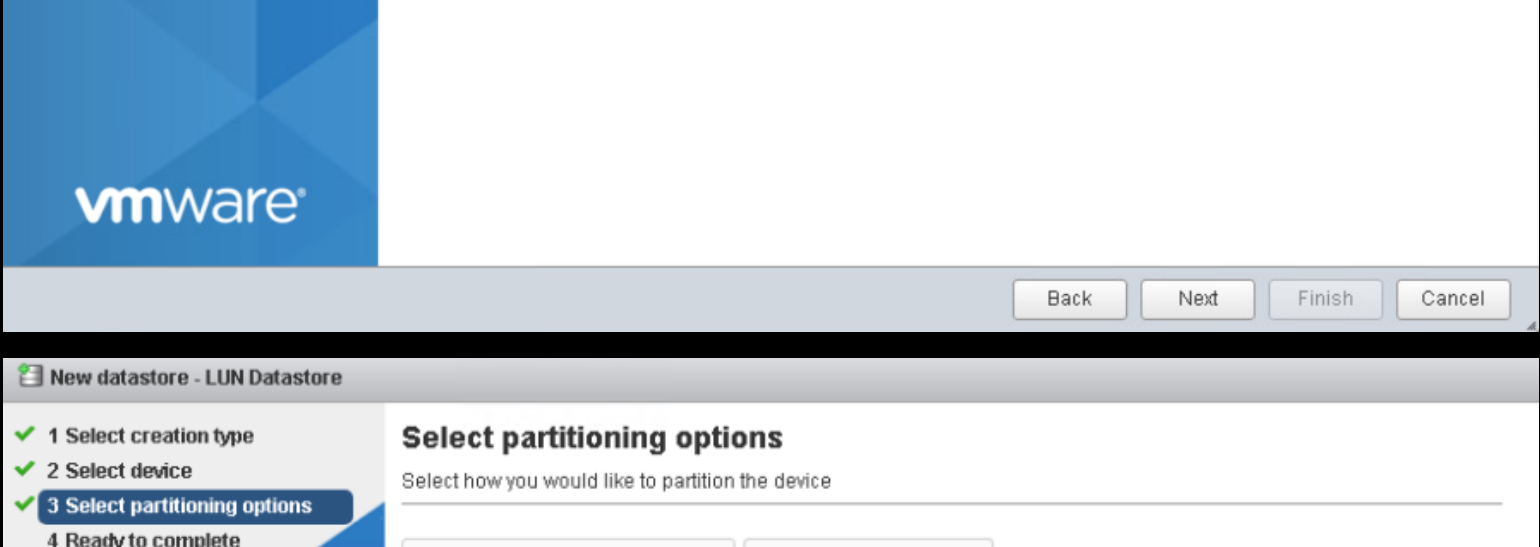
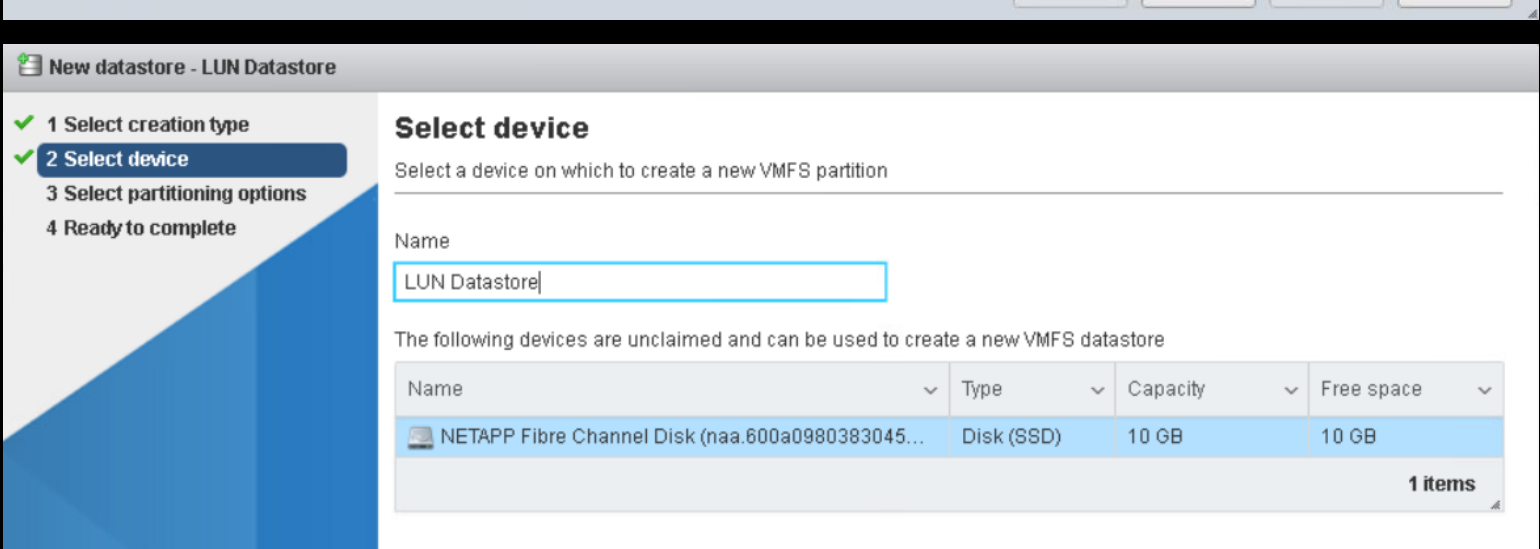
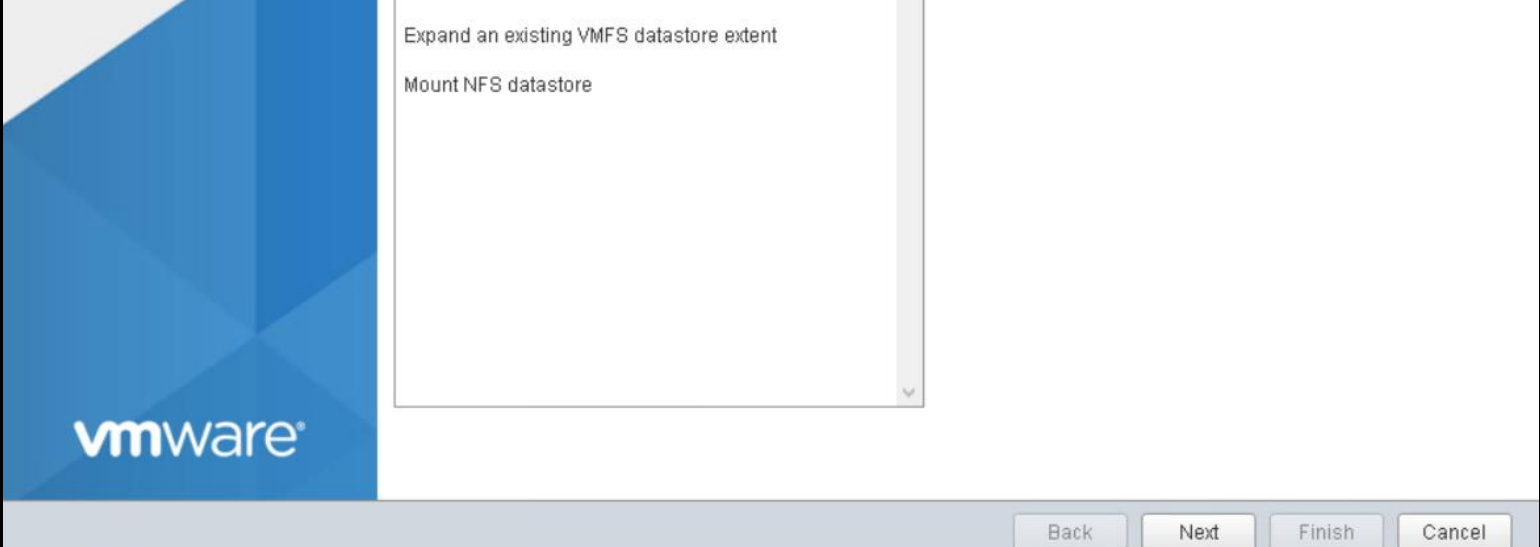
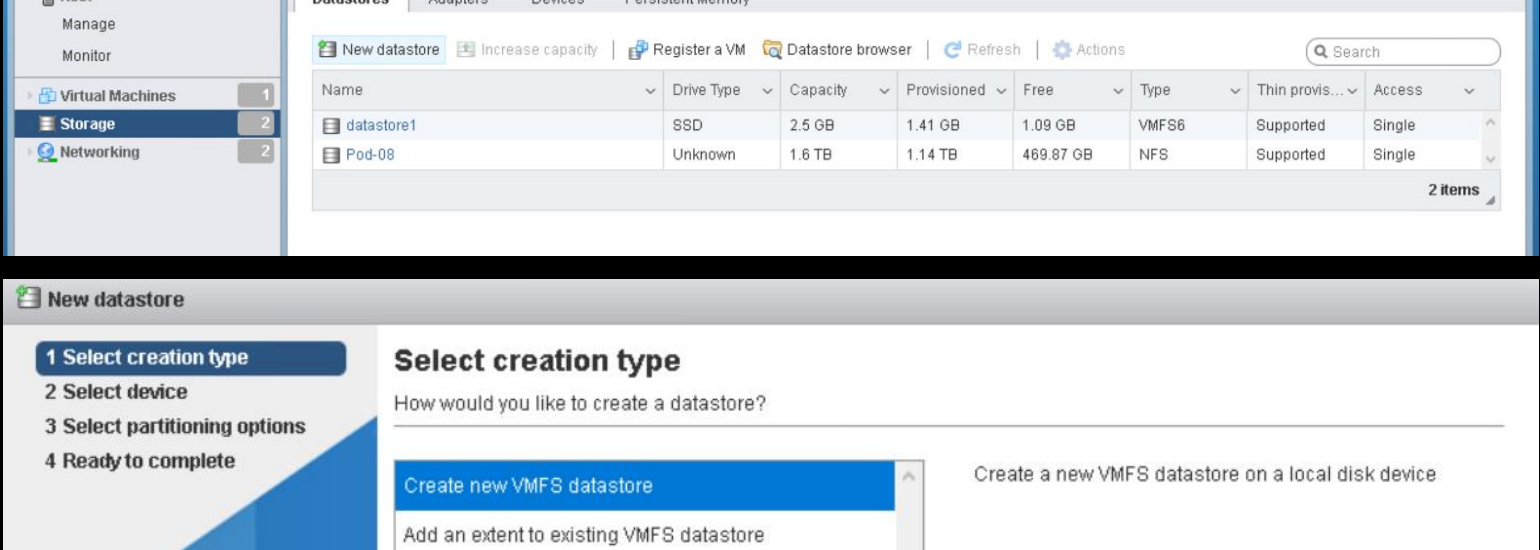
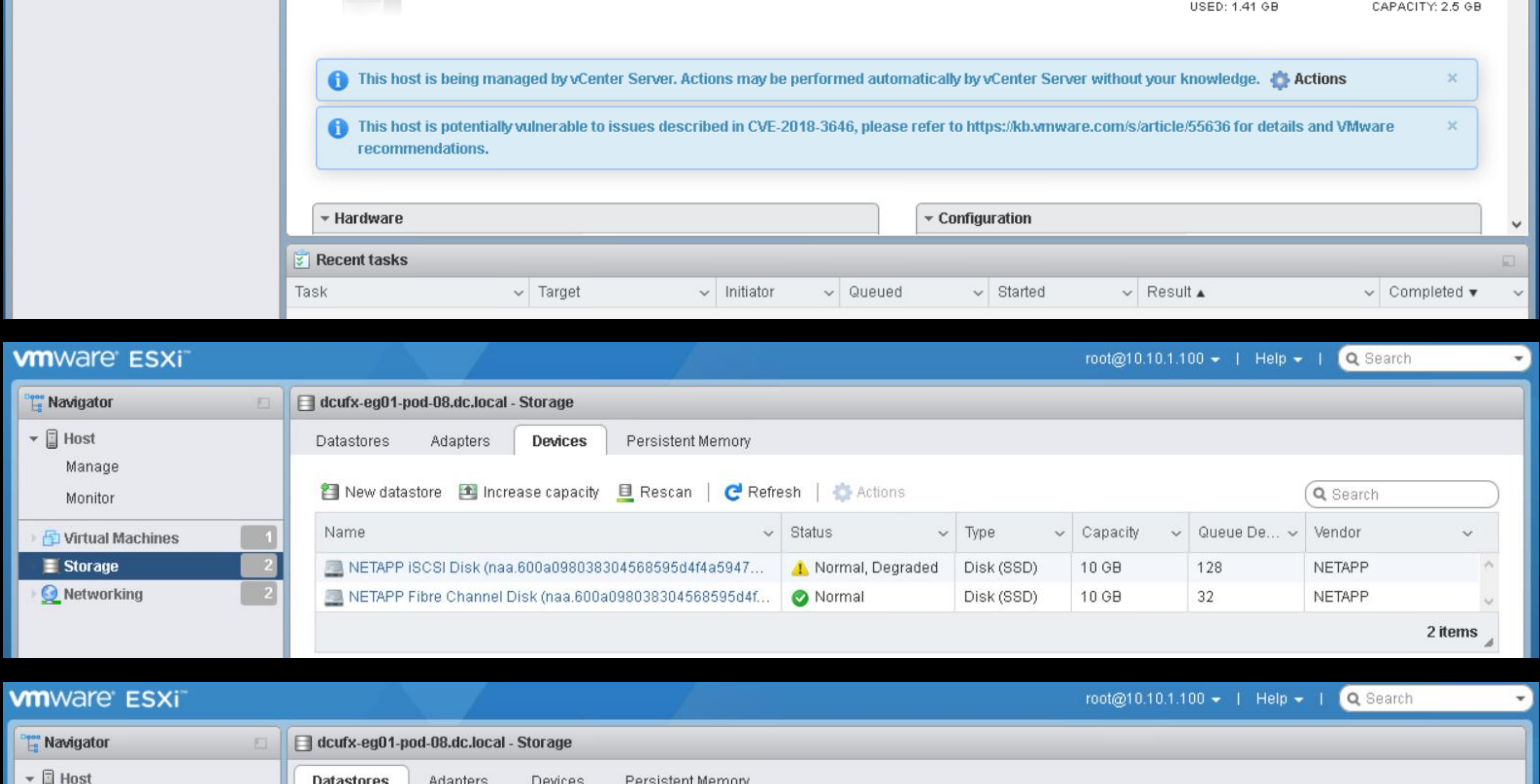
zone name IVR vsan 1048

* fcid 0xe10000 [pwwn 20:00:00:25:b5:00:08:01] [SERVER]

pwwn 20:00:00:25:b5:00:08:01

* fcid 0xad3ea6 [pwwn 20:03:00:a0:98:d5:6c:36]

* fcid 0xad40a6 [pwwn 20:05:00:a0:98:d5:6c:36]



*Created by Matthew Rich, TCE, Cisco Systems, Inc.

