



300-165^{Q&As}

Implementing Cisco Data Center Infrastructure

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**QUESTION 1**

Which command lists all the available file systems on a Cisco Catalyst 6500 Series Switch?

- A. dir
- B. show file system
- C. dir /all
- D. show /all
- E. dir /all-file systems

Correct Answer: B

QUESTION 2

If you are using NAT in your data center, which load balancing would you be likely to use within your GLBP configuration?

- A. none
- B. round-robin
- C. host dependent
- D. weighted

Correct Answer: C

QUESTION 3

Which implicit rules are applied to all IPv6 ACLs?

- A. deny icmp any any nd-na deny icmp any any nd-ns permit icmp any any router-advertisement permit icmp any any router-solicitation deny ipv6 any any
- B. deny icmp any any router-advertisement log deny icmp any any router-solicitation log deny ipv6 any any log
- C. deny icmp any any nd-na log deny icmp any any nd-ns log deny ipv6 any any log
- D. permit icmp any any nd-na permit icmp any any nd-ns permit icmp any any router-advertisement permit icmp any any router-solicitation deny ipv6 any any

Correct Answer: D

QUESTION 4



Refer to the exhibit. Which two outcomes occur when the state is Other? (Choose two.)

```
switch# show npv status  
  
npiv is enabled  
  
External Interfaces:  
=====
```

Interface: fc1/1, VSAN: 1, FCID: 0x000000, State: Other

Number of External Interfaces: 7

- A. The VSAN on each end of the connection does not match.
- B. The interface is not an E Port.
- C. The interface is not an F Port.
- D. The interface is administratively shut down.
- E. Cisco Fabric Services is not enabled.
- F. NPIV should be disabled.
- G. The interface is functioning, but may have errors.
- H. Encryption is not enabled.

Correct Answer: CD

QUESTION 5



Instructions

- Go through NX-OS CLI captures in Exhibits 1 through 5 to answer the questions.
- THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.
- To access the multiple-choice questions, click the numbered boxes at the left of the top panel.
- There are four multiple-choice questions with this task. Be sure to answer all four questions before selecting the Next button.

Scenario

Customer is deploying Cisco FabricPath in their new data center as shown in the topology diagram. Go through NX-OS CLI captures in Exhibits 1 through 5 to answer the questions.

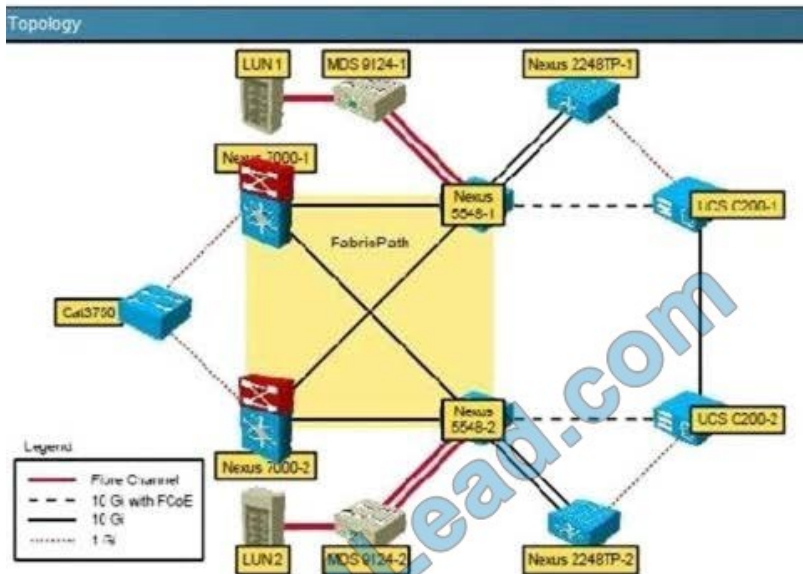


Exhibit 1

```
Nexus7000-1#show feature-set
Feature Set Name      ID      State
-----
fabricpath            2       enabled
fcx                   3       disabled

Nexus/000-1#
```

Exhibit 2

```
Nexus7000-1# show feature-set services fabricpath
u2rib
drap
isis_12mp
3 services 1r feature set fabricpath

Nexus7000-1#
```

Exhibit 3

```
Nexus7000-1# config terminal
Nexus7000-1#(config)# fabricpath switch-id 23
Nexus7000-1#(config)#
```

Exhibit 4

```
Nexus7000-1# config terminal
Nexus7000-1#(config)# fabricpath timer allocate-delay 600
Nexus7000-1#(config)#
```



Exhibit 5

```
Nexus7000-1# config terminal
Nexus7000-1#(config)# fabricpath load-balance unicast layer3
Nexus7000-1#(config)#
Nexus7000#(conf'g)# sh fabricpath load-balance
ECMP load-balancing configuration:
L3/L4 Preference: Mixed
Rotate amount: 14 bytes
Use VLAN: TRUE
Ftag load-balancing configuration:
Rotate amount: 3 bytes
Use VLAN: TRUE
```

FabricPath switch-id is 25 and load-balance is configured for L3/L4 and rotate amount is 14 byte. What information is true about FabricPath switch-id?

- A. FabricPath topology requires manual configuration of switch-id which has a range from 1 to 4095
- B. Every FabricPath must have a manually configured switch-id for it to form a FabricPath topology
- C. FabricPath topology requires manual configuration of switch-id which has a range from 1 to 4099
- D. You do not have to manually assign a switch ID unless you are running a virtual port channel plus (vPC+) because the system assigns a switch ID for you when you enable FabricPath

Correct Answer: D

fabricpath switch-id (vPC)

To configure a virtual port channel plus (vPC+) switch ID, use the fabricpath switch-id command. To remove the FabricPath switch from a vPC domain, use the no form of this command. fabricpath switch-id switch-id no fabricpath switch-id [switch-id]

Usage Guidelines

You do not have to manually assign a switch ID (unless you are running a vPC+); the system assigns a switch ID for you when you enable FabricPath.

Note: You must assign the same vPC+ switch ID to each of the two vPC+ peer devices before they can form an adjacency.

This command requires an Enhanced Layer 2 license.

Examples:

This example shows how to configure a vPC+ switch ID on a FabricPath-enabled device:

```
switch# configure terminal
```



```
switch(config)# vpc domain 1
```

```
switch(config-vpc-domain)# fabricpath switch-id 1
```

Configuring fabricpath switch id will flap vPCs. Continue (yes/no)? [no]

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