



# 640-916<sup>Q&As</sup>

Introducing Cisco Data Center Technologies

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#### QUESTION 1

Which three items in Cisco Unified Computing System are subject to finite state machine validation? (Choose three.)

- A. SNMP get
- B. local login
- C. server discovery
- D. firmware downloads
- E. server boot
- F. backup jobs

Correct Answer: CDF

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#### QUESTION 2

For which two reasons should customers deploy FCoE beyond the access layer? (Choose two.)

- A. higher throughput compared to traditional Fibre Channel
- B. better security than traditional Fibre Channel
- C. device consolidation
- D. FCoE cannot be deployed beyond the access layer.

Correct Answer: AC

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#### QUESTION 3

Which command would you use to determine which hosts were Fibre Channel targets?

- A. MDS-A# show host login
- B. MDS-A# show host database
- C. MDS-A# show flogi database
- D. MDS-A# show host-id
- E. MDS-A# show fcns database

Correct Answer: E

---

#### QUESTION 4



Which two benefits are achieved by server virtual machines when compared to traditional computing hardware deployments? (Choose two.)

- A. server isolation
- B. increased hardware utilization
- C. reduced server configuration
- D. decreased bandwidth
- E. single management interface

Correct Answer: AB

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#### QUESTION 5

Which command would you use to determine whether a Fibre Channel HBA is logged into a Cisco MDS switch?

- A. MDS-A# show host login
- B. MDS-A# show host data
- C. MDS-A# show flogi database
- D. MDS-A# show host-id
- E. MDS-A# show host fcid

Correct Answer: C

---

#### QUESTION 6

A SAN administrator recently added a new zone to the VSAN 2 zoneset named zoneset2, but the server is still unable to access the shared storage. What configuration will resolve this issue?

- A. zoneset activate zoneset2
- B. copy running-config startup-config
- C. zone default-zone permit vsan 2
- D. zone copy active-zoneset full-zoneset

Correct Answer: A

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#### QUESTION 7

What are two features of a Cisco Nexus 2232TM Fabric Extender? (Choose two.)

- A. unified ports



- B. 4 uplink ports
- C. RJ45 host interfaces
- D. 10 Gigabit uplinks
- E. 100/1000/10000 Mbps connectivity
- F. SFP+ host interfaces
- G. side-to-back airflow

Correct Answer: CD

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### QUESTION 8

Which two Cisco Nexus switches are capable of Layer 3 switching? (Choose two.)

- A. Cisco Nexus 7010
- B. Cisco Nexus 5020
- C. Cisco Nexus 5548
- D. Cisco Nexus 2248
- E. Cisco Nexus 2232

Correct Answer: AC

---

### QUESTION 9

Which three options are characteristics of a data center access layer switch? (Choose three.)

- A. host connectivity
- B. firewall connectivity
- C. QoS marking
- D. spanning-tree edge ports
- E. high-speed packet switching

Correct Answer: ACD

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### QUESTION 10

Which command pings from the Cisco Nexus 5548 interface mgmt 0 to host 10.10.1.1?

- A. ping -m 10.10.1.1



- B. ping 10.10.1.1 -m
- C. ping 10.10.1.1 vrf management
- D. ping 10.10.1.1 vrf default

Correct Answer: C

---

#### QUESTION 11

A customer VMware environment contains five hosts running ESXi 5.5. In addition, the environment contains a single vCenter host using standard networking. The customer wants to deploy a Cisco Nexus 1000v solution using Layer 3 mode into the environment. Which three steps must the customer take to achieve this goal? (Choose three.)

- A. Deploy two VSM modules.
- B. Create a vmkernel interfaces on each host.
- C. Create port profiles on the VSM.
- D. Register the vCenter plugin on the 1000v.
- E. Deploy five VSM modules.
- F. Create port profiles on each host.
- G. Create a vmkernel interface on each VSM module.
- H. Register the VEM modules with vCenter.

Correct Answer: ABC

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#### QUESTION 12

Which SAN port type allows multihop FCoE between two SAN switches?

- A. VN
- B. VE
- C. VF
- D. E

Correct Answer: B

---

#### QUESTION 13

What data center networking technology is used to converge storage and IP networks within a data center?

- A. ATA



- B. FCIP
- C. iSCSI
- D. FCoE

Correct Answer: D

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#### QUESTION 14

What two interface types can be used for switch-to-switch communications? (Choose two.)

- A. E Port
- B. F Port
- C. N Port
- D. TE Port
- E. FL Port

Correct Answer: AD

---

#### QUESTION 15

Which three items are control plane protocols? (Choose three.)

- A. OSPF
- B. UDLD
- C. CoPP
- D. IS-IS
- E. NAT F. SNMP

Correct Answer: ABD

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#### QUESTION 16

Which is the correct command to install a feature license on Cisco MDS 9100 Series Fibre Channel Switches?

- A. MDS-A# install license bootflash:license\_file.lic
- B. MDS-A# copy license bootflash:license\_file.lic running-config
- C. MDS-A# install feature bootflash:license\_file.lic
- D. MDS-A# copy feature bootflash:license\_file.lic running-config



E. MDS-A# update license pool bootflash:license\_file.lic

Correct Answer: A

---

#### QUESTION 17

Which SAN Fabric technology is used to restrict access between initiators and targets?

- A. zoning
- B. VSANs
- C. LUN masking
- D. LUN mapping

Correct Answer: A

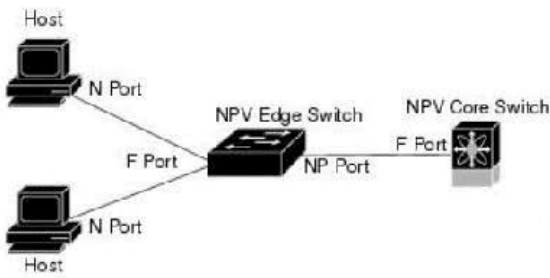
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#### QUESTION 18

Scenario:

Customer is configuring FCoE and NPV in their Data Center on Cisco Nexus 5000 Series Switches. Please go through the Topology and Exhibit 1 through 4 to answer the following questions.

Topology:



```

Exhibit 1
switch# configure terminal
switch(config)# npv enable
  
```

```

Exhibit 2
Switch# show npv flogi-table
-----
SERVER                                EXTERNAL
INTERFACE VSAN FCID                   PORT NAME                               NODE NAME                               INTERFACE
-----
vfc3/1    1    0xee0c08 10:c0:00:00:c9:60:e4:9a 20:00:00:00:c9:60:e4:9a fc2/1
vfc3/1    1    0xee0c09 20:c0:00:00:0a:00:00:01 20:00:00:00:c9:60:e4:9a fc2/2
vfc3/1    1    0xee0c0a 20:c0:00:00:0a:00:00:02 20:00:00:00:c9:60:e4:9a fc2/3
vfc3/1    1    0xee0c0b 33:33:33:33:33:33:33:33 20:00:00:00:c9:60:e4:9a fc2/4
Total number of flogi = 4
  
```

```

Exhibit 3
switch# show npv status
npiv is enabled

External Interfaces:
=====
Interface: fc2/1, VSAN: 1, FCID: 0x1c0000, State: Up
Interface: fc2/2, VSAN: 1, FCID: 0x04c000, State: Up
Interface: fc2/3, VSAN: 1, FCID: 0x26c000, State: Up
Interface: fc2/4, VSAN: 1, FCID: 0x1ac000, State: Up
Number of External Interfaces: 4

Server Interfaces:
=====
Interface: vfc3/1, VSAN: 1, NPIV: No, State: Up
Number of Server Interfaces: 1
  
```

```

Exhibit 4
switch# show npv status
npiv is enabled
disruptive load balancing is enabled

External Interfaces:
=====
Interface: fc2/1, VSAN: 2, FCID: 0x10c000, State: Up
  
```





Which statement regarding Cisco Nexus 5000 Series switches is true?

- A. Cisco Nexus 5000 Series switches operate in IP routing mode.
- B. Cisco Nexus 5000 Series switches operate in FCoE mode.
- C. Cisco Nexus 5000 Series switches operate in fabric mode.
- D. Cisco Nexus 5000 Series switches operate in NPV mode.

Correct Answer: C

---

#### QUESTION 19

Which IEEE protocol allows Ethernet to operate as a lossless fabric?

- A. Priority-based Flow Control (802.1Qbb)
- B. Enhanced Transmission Selection (802.1Qaz)
- C. Bandwidth Demand Circuit (802.1Qax)
- D. Quantized Congestion Control (802.1Qau)
- E. Data Center Bridging Exchange (802.1Qab)

Correct Answer: A

---

#### QUESTION 20

Scenario:

Customer is configuring FCoE and NPV in their Data Center on Cisco Nexus 5000 Series Switches. Please go through the Topology and Exhibit 1 through 4 to answer the following questions.

Topology:

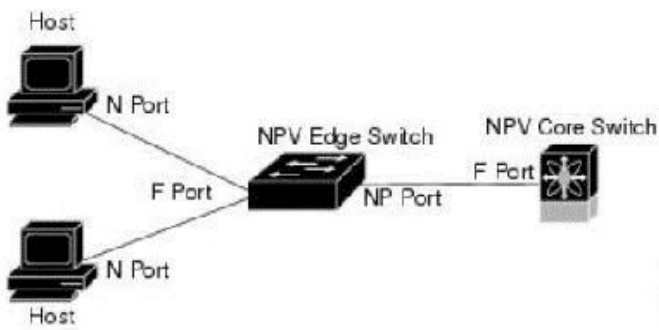


Exhibit 1

```
switch# configure terminal
switch(config)# npv enable
```

Exhibit 2

```
Switch# show npv flogi-table
```

SERVER						EXTERNAL
INTERFACE	VSAN	FCID	PORT NAME	NODE NAME	INTERFACE	
vfc3/1	1	0xee0c08	19:C0:00:00:c9:60:e4:9a	20:00:0C:00:c9:60:e4:9a	fc2/1	
vfc3/1	1	0xee0c09	20:C0:00:00:0a:00:00:01	20:00:0C:00:c9:60:e4:9a	fc2/2	
vfc3/1	1	0xee0c0a	20:C0:00:00:0a:00:00:02	20:00:0C:00:c9:60:e4:9a	fc2/3	
vfc3/1	1	0xee0c0b	33:33:33:33:33:33:33:33	20:00:0C:00:c9:60:e4:9a	fc2/4	
Total number of flogi = 4						



Exhibit 3

```
switch# show npv status
npiv is enabled

External Interfaces:
=====
Interface: fc2/1, VSAN: 1, FCID: 0x1c0000, State: Up
Interface: fc2/2, VSAN: 1, FCID: 0x040000, State: Up
Interface: fc2/3, VSAN: 1, FCID: 0x260000, State: Up
Interface: fc2/4, VSAN: 1, FCID: 0x1a0000, State: Up
Number of External Interfaces: 4

Server Interfaces:
=====
Interface: vfc3/1, VSAN: 1, NPV: No, State: Up
Number of Server Interfaces: 1
```

Exhibit 4

```
switch# show npv status
npiv is enabled
disruptive load balancing is enabled

External Interfaces:
=====
Interface: fc2/1, VSAN: 2, FCID: 0x1c0000, State: Up
```

Which two statements are true regarding disruptive load balancing and regarding the configuration in this example? (Choose two).

- A. In this scenario disruptive load balancing is disabled.
- B. In this scenario disruptive load balancing is enabled.
- C. Since FCID: 0x1c0000 is reserved, disruptive load balancing is not configured correctly.
- D. When disruptive load balancing is enabled, NPV redistributes the server interfaces across all available NP uplinks when a new NP uplink becomes operational. To move a server interface from one NP uplink to another NP uplink, NPV forces reinitialization of the server interface so that the server performs a new login to the core switch.



Correct Answer: AD

---

#### QUESTION 21

Which three devices support FCoE? (Choose three.)

- A. Cisco Nexus 5500
- B. Cisco Nexus 7000
- C. Cisco Nexus 3000
- D. Cisco Nexus 1000V
- E. Cisco UCS Fabric Interconnect

Correct Answer: ABE

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#### QUESTION 22

Which three items are needed to perform the initial setup for a Cisco Data Center device? (Choose three.)

- A. IP address and network mask
- B. FTP password
- C. Active Directory password
- D. console cable
- E. device software licenses
- F. admin password to assign to the device
- G. SFP+ cables

Correct Answer: ADF

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#### QUESTION 23

Which item best describes the STP requirements for Cisco FabricPath?

- A. RPVST must be configured on every Cisco FabricPath VLAN.
- B. RPVST must be configured on every Cisco FabricPath Border interface.
- C. MST must be configured on every Cisco FabricPath VLAN.
- D. MST must be configured on every Cisco FPBI.
- E. STP is required only to resolve border link failures.



F. STP is not required on Cisco FabricPath interfaces.

Correct Answer: F

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#### QUESTION 24

What two fields must be filled out to complete the installation of the Nexus 1000v virtual switching environment? (Choose two.)

- A. Domain ID
- B. Telnet Server
- C. Administrator Password
- D. TFTP Server
- E. SNMP Community String

Correct Answer: AC

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#### QUESTION 25

In a Cisco Nexus 7009 switch with three N7K-F248XP-25E modules, what is the minimum number of Fabric-2 modules needed to support full utilization of all the installed ports?

- A. 2
- B. 3
- C. 4
- D. 5
- E. 6

Correct Answer: D

---

#### QUESTION 26

What two chassis discovery policy settings will allow for UCS chassis to be connected to a pair of Fabric Interconnect using only two physical connections? (Choose two.)

- A. 4-link
- B. 2-link
- C. 8-link
- D. 1-link



E. Platform-max

Correct Answer: BD

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#### QUESTION 27

On which layer of the tiered data center architecture do service modules such as FWSM, ACE, and WAAS typically appear?

A. access

B. services

C. aggregation

D. transport

E. network

F. core

Correct Answer: C

---

#### QUESTION 28

Which two common issues in the data center are addressed by Cisco Wide Area Application Services? (Choose two.)

A. provide branch office employees LAN-like access to information

B. migration of data servers into core data center

C. minimize LAN bandwidth consumption

D. higher rates of packet loss over the WAN

E. reduced core data center server requirement

Correct Answer: AB

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#### QUESTION 29

Which is the complementary endpoint to a SCSI target?

A. source

B. origin

C. host endpoint

D. initiator



E. successor

Correct Answer: D

---

### QUESTION 30

Which statement is true regarding Cisco Unified Computing System Fabric Interconnect cluster configuration?

- A. A Cisco Unified Computing System Fabric Interconnect cluster can contain up to two peers for redundancy.
- B. A Cisco Unified Computing System Fabric Interconnect cluster can contain up to three peers for redundancy.
- C. A Cisco Unified Computing System Fabric Interconnect cluster can contain up to four peers for redundancy.
- D. A Cisco Unified Computing System Fabric Interconnect cluster can contain up to six peers for redundancy.

Correct Answer: A

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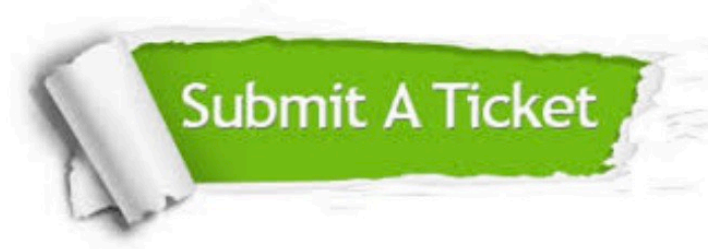
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