



# 642-996<sup>Q&As</sup>

Designing Cisco Data Center Unified Fabric

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### QUESTION 1

Which two characteristics are associated with the core layer of a Data Center Unified Fabric network? (Choose two.)

- A. no packet manipulation
- B. QoS--policing
- C. voice, data, and wireless convergence
- D. scalable routing protocols like OSPF
- E. Layer 2 default gateway redundancy
- F. QoS--classification and queuing

Correct Answer: AD

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### QUESTION 2

Which three options does Cisco Data Mobility Manager provide? (Choose three.)

- A. can change the migration rate to shorten windows during low traffic hours or minimize interference
- B. brings the need for multiple migration solutions
- C. moves from a smaller logical unit number to a larger LUN
- D. manages all capabilities from an easy-to-use GUI
- E. manages all capabilities from CLI
- F. can change the migration rate to shorten windows during high traffic hours or maximize interference
- G. manages some capabilities from an easy-to-use GUI

Correct Answer: ACD

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### QUESTION 3

Which command sequence represents a correct process to establish OSPF peer authentication credentials?

- A. N7010-C2(config)# key chain OSPF N7010-C2(config-keychain)# key 0 N7010-C2(config-keychain-key)# key-string
- B. N7010-C2(config)# key-chain 0 N7010-C2(config-key-chain)# key-name OSPF N7010-C2(config-key-chain-key)# key-string
- C. N7010-C2(config)# key ring OSPF N7010-C2(config-keyring)# key 0 N7010-C2(config-keyring-key)# key-string
- D. N7010-C2(config)# key-ring 0 N7010-C2(config-key-ring)# key-name OSPF N7010-C2(config-key-ring-key)# key-string



Correct Answer: A

#### QUESTION 4

Given the requirements, which Cisco Nexus product is Cisco recommended?

A rich feature set that makes it well suited to top-of-rack, middle-of-row, or end-of-row access-layer applications.

Data center racks with standards-based 1 and 10 Gigabit Ethernet and FCoE features, and virtual machine awareness features that allow IT departments to consolidate networks.

A combination of high port density, lossless Ethernet, wire-speed performance, and extremely low latency that makes the switch family well suited to meet the growing demand for 10 Gigabit Ethernet.

- A. 1000v
- B. 1010
- C. 2000
- D. 3000
- E. 4000
- F. 5500

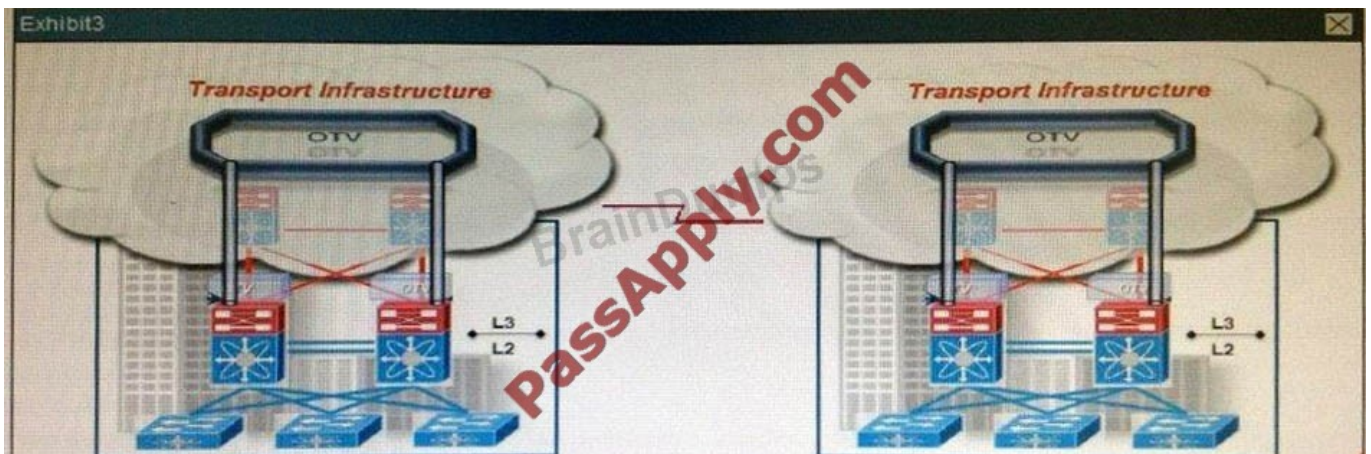
Correct Answer: F

#### QUESTION 5

Scenario

Review topology and screenshots, and then answer questions that validate your knowledge of

Cisco Nexus Switches.



Instructions



To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.

Review the Exhibit associated with the question.

There are four multiple-choice questions with this task.

Be sure to answer all four questions before selecting the Next button Refer to the figure in Exhibit 3. You have configured both pairs of Cisco Nexus 7000 Switches for OTV redundancy between data centers. Which of the following OTV

configuration elements will prevent the Overlay interface from forwarding traffic if it is not configured?

- A. restart otv-isis
- B. otv stp-synchronization
- C. otv site-identifier
- D. otv vpn-name

Correct Answer: B

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#### QUESTION 6

Which two options are benefits of credit-based flow control in a Fibre Channel network? (Choose two.)

- A. sends credit to all of the switches in a SAN zone
- B. increases the credit limit when the buffer overruns
- C. maximizes performance under high loads
- D. prevents the loss of frames due to buffer overruns
- E. provides automatic buffer scaling under high loads

Correct Answer: DE

Reference: [http://icon.clnchina.com.cn/images/UCS\\_data\\_path\\_troubleshooting.pdf](http://icon.clnchina.com.cn/images/UCS_data_path_troubleshooting.pdf)(page 12)

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#### QUESTION 7

What is required to allow for FCoE multihop prior to the ratification of FC-BB-6?

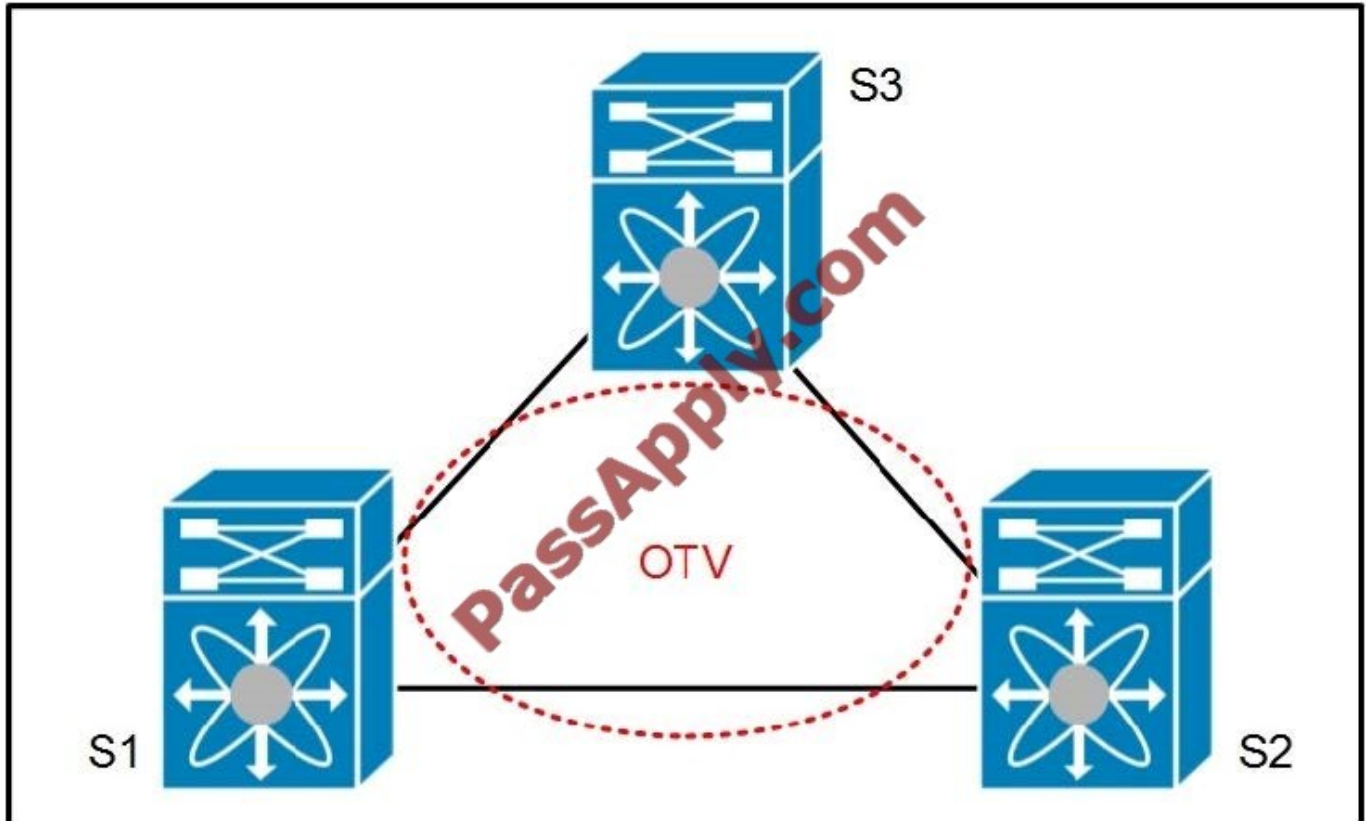
- A. VN to VF encapsulation
- B. FIP snooping
- C. FCoE proxy
- D. Fibre Channel bridging at FC-2
- E. VE to VE tunneling



Correct Answer: B

### QUESTION 8

Refer to the exhibit.



Assume that all deployed switches are with Supervisor 1 and M-Series line cards. Which statement about the implementation of Cisco FabricPath in the core at sites S1 and S2 is true?

- A. Site S3 should also have FabricPath implemented to ensure optimal traffic flows.
- B. An upgrade to Supervisor 2E is required for FabricPath support.
- C. Installation of additional linecards such as F2 or F2e linecards is required.
- D. OTV and FabricPath cannot coexist on the same switch due to differences in frame formats.

Correct Answer: C

### QUESTION 9

Which item uses TCP as a block I/O transport?

- A. NFS v4
- B. HyperTransport



- C. AoE
- D. FCoE
- E. CIFS
- F. iSCSI

Correct Answer: F

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#### QUESTION 10

Your customer is designing a new data center and would like the aggregation layer to be able to route and have Layer 3 capability. What Cisco platform will meet this requirement?

- A. Cisco Nexus 1000v
- B. Cisco Nexus 5596 without Layer 3 daughter card
- C. Cisco MDS 9506 chassis with supervisor engine
- D. Cisco Nexus 7010 switch with Enterprise Services Package

Correct Answer: D

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#### QUESTION 11

Which Cisco product meets the LAN extension cryptography requirement in OTV over Dark Fiber scenario?

- A. IronPort
- B. Cisco TrustSec
- C. VSG
- D. Zone-Based Firewall

Correct Answer: C

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#### QUESTION 12

From a data center design perspective, which of the following is true in regard to network management tools like Cisco Data Center Network Manager (DCNM) and CiscoWorks LAN Management Solution (LMS)?

- A. Cisco DCNM is positioned to manage non-Nexus OS gear like the Catalyst 6500 Series, Catalyst 6500 Series FWSM, and Cisco UCS.
- B. Platform-specific, advanced data center features should be managed by Cisco DCNM and provided to CiscoWorks LMS.
- C. CiscoWorks LMS should be used to manage the LAN network, while Cisco DCNM will manage the SAN network.



D. Cisco DCNM should be used to manage everything except the aggregation service layer.

Correct Answer: B

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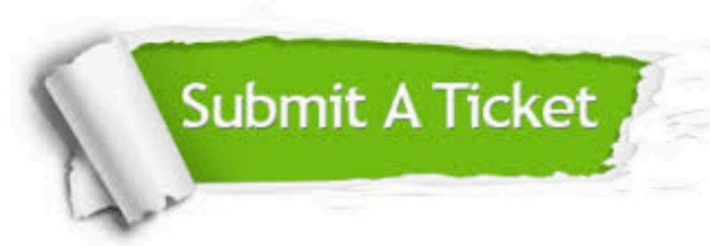
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