



# 642-971

## Cisco

### *Cisco Data Center Networking Infrastructure Design*

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**QUESTION: 1**

What advantage does InfiniBand have over Gigabit Ethernet in HPC environments?

- A. Lower latency
- B. Simpler cabling
- C. Longer distance support
- D. More sophisticated traffic management

**Answer: A**

**QUESTION: 2**

Which data center network-architecture change is a result of the adoption of blade and 1-RUserver technologies?

- A. Layer 3 fault domains growing larger
- B. Layer 2 fault domains growing larger
- C. Layer 3 fault domains growing smaller
- D. Layer 2 fault domains growing smaller

**Answer: B**

**QUESTION: 3**

A very large blade-server deployment has high throughput requirements for both data and storage networks. Which access layer option would you recommend?

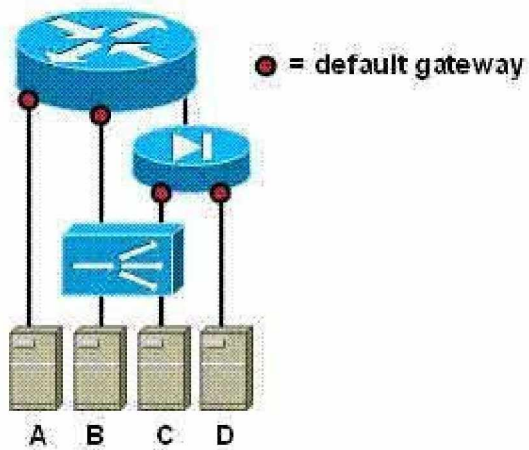
- A. Blade server Ethernet switch with Cisco SFS 3000 Series Multifabric Switch
- B. Blade server InfiniBand switch with Cisco SFS 3000 Series Multifabric Switch
- C. Blade server Ethernet switch that is connected to Cisco Catalyst 4948 top-of-rack switch
- D. Blade server Ethernet switch that is connected to Cisco Catalyst 6500 Series end-of-rack switch

**Answer: B**

**QUESTION: 4**

Refer to the exhibit.

Each letter (A-D) represents a model for placement of a default gateway. Which model allows the maximum number of application and security services?



- A. Model A
- B. Model B
- C. Model C
- D. Model D

**Answer:** C

**QUESTION: 5**

Which three of the following service modules can be deployed in redundant pairs with active/active failover? (Choose three.)

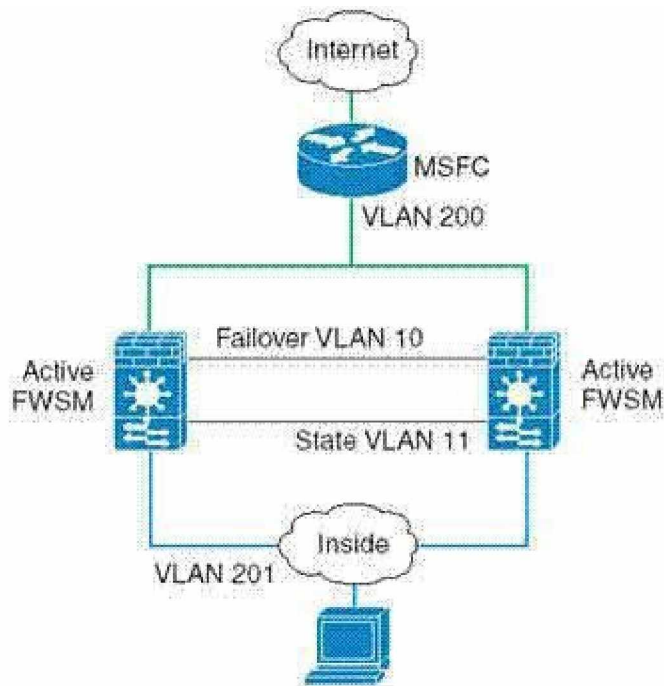
- A. ACE
- B. CSM
- C. NAM
- D. IDSM
- E. FWSM
- F. SSLSM

**Answer:** A, D, E

**QUESTION: 6**

Refer to the exhibit.

What do you need to configure to prevent spanning-tree loops from occurring between the two FWSMs?



- A. FWSMs in transparent mode
- B. ethertype ACLs to allow BPDUs
- C. FWSMs in multiple-context mode
- D. failover and state interfaces on the same VLAN

**Answer:** B

**QUESTION:** 7

How is FCIP traffic marked with DSCP values?

- A. The Cisco MDS 9000 Series Multilayer Switch marks one DSCP value per FCIP tunnel.
- B. The Cisco MDS 9000 Series Multilayer Switch marks two DSCP values per FCIP tunnel.
- C. The aggregation layer Ethernet switch marks one DSCP value per FCIP tunnel.
- D. The aggregation layer Ethernet switch marks two DSCP values per FCIP tunnel.

**Answer:** B

**QUESTION:** 8

Which two security vulnerabilities does the FWSM application inspection engine mitigate?  
(Choose two.)

- A. DoS attacks

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