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642-961

Cisco Data Center Networking Infrastructure
Solutions design

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QUESTION NO: 1

Which statement best describes the data center core layer?

- A. connects to the campus aggregation layer
- B. provides a resilient Layer 2 routed fabric
- C. is typically merged with the campus core layer
- D. load balances traffic between the core and aggregation layers

Answer: D

QUESTION NO: 2

Which type of network in an HPC environment most requires low latency?

- A. MPI
- B. access
- C. private
- D. storage

Answer: A

QUESTION NO: 3

Which type of HPC application requires low latency?

- A. financial analytics
- B. finite element analysis
- C. digital image rendering
- D. seismic and geophysical modeling

Answer: B

QUESTION NO: 4

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 NO: 5

Refer to the exhibit. Where is Layer 2 adjacency required?

- A. server-to-server only
- B. access-to-server only
- C. aggregation-to-access only
- D. aggregation-to-access and access-to-server

Answer: B

QUESTION NO: 6

Refer to the exhibit. What is a feature of this spanning-tree topology?

- A. VLANs are not restricted to access-switch pairs.
- B. Only one aggregation-to-access uplink is active at a given time.
- C. If the link between access-switch pairs is broken, the return IP path maybe broken.
- D. Uplink failures on access layer switches will not break connectivity between servers and service modules in the aggregation layer.

Answer: C

QUESTION NO: 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 NO: 8

Which of the following attack types should be mitigated in the data center core layer?

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- A. port scans
 - B. IP spoofing
 - C. DDoS attacks
 - D. MAC address spoofing

Answer: C

QUESTION NO: 9

Which statement is correct about the Cisco Catalyst 4948 Switch?

- A. is nonlocking
- B. performs only Layer 2 switching
- C. has up to 48-Gbps wire-speed performance
- D. balances lower cost with lower-performance access layer switching

Answer: A

QUESTION NO: 10

Which statement describes an IDS module operating in inline rather than promiscuous mode?

- A. lower latency
- B. higher latency
- C. lower throughput
- D. higher throughput
- E. higher latency and lower throughput
- F. lower latency and higher throughput

Answer: B

QUESTION NO: 11

Refer to the exhibit.