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Cisco Sales Expert

642-961: Cisco Data Center Networking Infrastructure Solutions design

Practice Exam: 642-961 Exams

Exam Number/Code: 642-961

Exam Name: Cisco Data Center Networking Infrastructure Solutions design

Questions and Answers: 120 Q&As

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Exam : Cisco 642-961

Title : Cisco Data Center

Networking Infrastructure Solutions Design

1. According to Cisco best practice, which service module should be placed in service switches within the aggregation layer?

- A. NAM
- B. CSM
- C. IDSM
- D. FWSM

Answer: B

2. How many FWSM modules are needed to support 8 Gbps of throughput through an aggregation module?

- A. one
- B. two
- C. four
- D. eight

Answer: B

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

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

Answer: C

4. 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 may be broken.
- D. Uplink failures on access layer switches will not break connectivity between servers and service modules in the aggregation layer.

Answer: C

5. 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

6. 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

7. 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

8. 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

9. What is the Cisco best-practice recommendation for the maximum number of HSRP instances per aggregation module?

- A. 3
- B. 30
- C. 300
- D. no recommended maximum

Answer: C

10. Which security technique would you use to protect servers from SYN-flooding DoS attacks?

- A. uRPF
- B. TCP intercept
- C. TCP RPF check
- D. drop and shutdown thresholds

Answer: B

11. Which data center network-architecture change is a result of the adoption of blade and 1-RU server 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

12. What is the total bandwidth available to a Cisco Catalyst 6500 Series CEF720 line card?

- A. 16 Gbps
- B. 20 Gbps
- C. 32 Gbps
- D. 40 Gbps

E. 48 Gbps

Answer: D

13. 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

14. 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: ADE

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

A. MPI

B. access

C. private

D. storage

Answer: A

16. What advantage do 10-Gigabit Ethernet uplinks have over EtherChannels?

A. more reliable

B. higher bandwidth

C. faster convergence time

D. better load balancing of traffic

Answer: D

17. 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

18. 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. ether-type ACLs to allow BPDUs

C. FWSMs in multiple-context mode

D. failover and state interfaces on the same VLAN

Answer: B

19. 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

20. Which statement is correct about the Cisco Catalyst 4948 Switch?

- A. is nonblocking
- 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

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