Vendor: Cisco

Exam Code: 642-991

Exam Name: Cisco Data Center Unified Fabric Solutions Design (DCUFD)

Version: DEMO
1. Which service module configuration is recommended to automatically detect and block traffic from malicious hosts?
   A. IDSM that is deployed in IDS mode
   B. FWSM that is coupled with the NAM
   C. IDSM that is deployed in IPS mode
   D. FWSM
   Answer: C

2. Which is appropriate in situations where a switched fabric server is required for InfiniBand support, plus Ethernet and Fibre Channel integration?
   A. Cisco MDS 9000
   B. Cisco MDS 7000
   C. Cisco SFS 3000
   D. Cisco SFS 7000
   Answer: C

3. Refer to the exhibit. In an IBM mainframe configuration, an LPAR is expected to require 100 Mbps. How many physical Gigabit Ethernet mainframe interfaces are required to support this configuration?
   ![Diagram](image)
   A. three
   B. one
   C. four
   D. two
   E. Interface is unsupported on mainframes.
   Answer: B

4. What advantage do 10-Gigabit Ethernet uplinks have over EtherChannels?
   A. better load balancing of traffic
   B. more reliable
   C. higher bandwidth
   D. faster convergence time
   Answer: A

5. Which licensing feature set is required on the Cisco Nexus 7010 platform to support the use of VDCs?
   A. Enterprise Services
   B. Advanced Services
6. Which statement describes the aggregation layer?
A. It does not process server-to-server flows.
B. Changing application requirements lead to higher oversubscription.
C. It has a small STP processing load.
D. It maintains session state and connection tables for redundancy.
**Answer:** D

7. Which ACL type allows for role-based access control?
A. router
B. VLAN
C. security group
D. reflexive
**Answer:** C

8. Refer to the exhibit.
Your customer is filling server racks sequentially, filling one rack before beginning the next. Which two access layer designs present challenges in this environment? (Choose two.)
A. Layer 3
B. Layer 2 loop-free U
C. Layer 2 loop-free inverted U
D. Layer 2 looped triangle
E. Layer 2 looped square
**Answer:** A, B
9. The Cisco Catalyst 4948 Switch supports which power supply configuration?
   A. single AC or DC power supply
   B. dual AC or DC power supplies
   C. single AC power supply only
   D. dual AC power supplies only
   **Answer:** B

10. Refer to the exhibit.

A data center network is configured as follows:
ACE modules active/active failover pair core-to-aggregation traffic load balanced load balancing via Layer 3 source-destination IP address hashing Which statement represents the best advice?
   A. The design should use Layer 2 load balancing for core-to-aggregation traffic.
   B. The design is correct as shown.
   C. The design should use Layer 4 port-based load balancing for core-to-aggregation traffic.
   D. The design should use RHI to route core-to-aggregation traffic.
   **Answer:** D

11. Refer to the exhibit. Asymmetric connection attempts in the aggregation layer are occurring on redundant Cisco Catalyst 6500 Series FWSM modules. What change might prevent this problem?
A. Implement route tuning and root guard.
B. Configure round-robin load balancing between the Cisco Catalyst 6500 Series FWSM modules.
C. Add more Cisco Catalyst 6500 Series FWSM modules to each Cisco Catalyst 6500 switch.
D. Reduce the oversubscription on the aggregation-to-access links.

**Answer:** A

12. FCoE extends the reach of Fibre Channel throughout the data center by performing which action?
A. multiplexing Fiber Channel and Ethernet on the same physical media
B. encapsulating Fiber Channel frames into Ethernet frames
C. segregating Fiber Channel and Ethernet traffic at the data plane
D. allocating separate EtherChannels for LAN and SAN traffic

**Answer:** B

13. What are three effective ways to service multicast traffic in a data center environment? (Choose three.)
A. deploying VRFs per address family
B. configuring IGMP/PIM in the Cisco Catalyst 6500 Series FWSM
C. configuring IGMP/PIM in the Cisco ACE Module
D. configuring IGMP/PIM in the MSFC on a Cisco Catalyst 6500 switch
E. configuring service modules in transparent or bridged mode

**Answer:** B,D,E
14. Refer to the exhibit. A failure occurs on one of the access layer uplinks. Which Layer 2 topology can cause a break in connectivity between the FWSMs?

![Diagram]

A. looped square  
B. loop-free U  
C. looped triangle  
D. loop-free inverted U  

**Answer:** B

15. According to the Cisco Network Foundation Protection model, which security feature is recommended for the data center core layer?

A. traffic rate limiting  
B. Dynamic ARP Inspection  
C. prefix filtering  
D. control plane protection  

**Answer:** D

16. To protect the supervisor of a Cisco Nexus 7000 switch, the CoPP feature performs which two functions? (Choose two.)

A. performs broadcast suppression  
B. drops packets with unknown sources  
C. focuses on access and authentication attacks  
D. separates data plane packets from control plane packets  
E. provides DoS protection independent from interface capabilities  

**Answer:** D,E

17. Which benefit results from deploying Cisco Catalyst 4948 Switches in a top-of-rack access layer design?

A. improved power distribution  
B. increased fault tolerance  
C. improved server density  
D. simpler logical topology  

**Answer:** A

18. Which access layer design can improve STP stability with the use of enhanced features like UDLP, loop guard, and BPDU guard?
A. any model using PVST+
B. triangle topologies
C. U and inverted U models
D. loop-free models

Answer: B

19. Which Cisco Catalyst switch model is recommended for the data center core?
A. Cisco Catalyst 6509 Switch
B. Cisco Catalyst 6513 Switch
C. Cisco Catalyst 6506 Switch
D. Cisco Catalyst 6509 or 6513 Switch

Answer: A

20. Which two benefits of a VSS environment reduce overhead at the distribution layer? (Choose two.)
A. reduced reliance on trunking protocols
B. reduced reliance on STP
C. reduced reliance on HSRP
D. reduced reliance on nonstop forwarding (NSF) with stateful switchover (SSO)
E. reduced reliance on EtherChannel

Answer: B,C