

Cisco 642-355 Exam

642-355: Cisco Storage Networking Solutions Design Specialist (CSSDS)

Practice Exam: 642-355 Exams

Exam Number/Code: 642-355

Exam Name: Cisco Storage Networking Solutions Design Specialist (CSSDS)

Questions and Answers: 60 Q&As

(Storage Networking)



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Exam : Cisco 642-355

Title : Cisco Storage Networking Solutions Design Specialist (CSSDS)

1. Your SAN environment requires redundant fabrics with redundant connectivity for 40 database hosts at 2 Gbps of throughput per host. Which two of these configurations are possible? (Choose two.)

- A. two 48-port line cards
- B. four 48-port line cards
- C. four 32-port line cards
- D. six 16-port line cards

E. two 32-port line cards and two 16-port line cards

Answer: BD

2. Refer to the exhibit. A customer plans to add a tape backup subsystem to its existing storage network. In which location should the customer place the tape backup device in order to provide the best performance during backup and recovery?

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

Answer: B

3. Your customer is using an IPS-8 module in its data center to provide FCIP connectivity to 20 remote sites. It has encountered connectivity problems at four of the remote sites. After investigating, the customer's network administrator found that the IPS-8 is sending 2300-byte packets, but the receiving switches at the four remote sites do not support jumbo frames.

What should you do?

- A. Disable packet shaping on the IPS-8
- B. Reduce the minimum retransmit timeout
- C. Disable jumbo frames on the IPS-8
- D. Enable Path MTU discovery

Answer: D

4. A customer has a need to synchronously replicate data from the primary data center to a standby data center that is 30 kilometers away. The customer owns the fiber between the two data centers and uses the link for Gigabit Ethernet connectivity today. The Gigabit Ethernet connection is heavily utilized and generally remains at 90-percent utilization. The customer expects that the replication traffic will require approximately 30 MBps, and is looking for a low-cost solution.

Which replication solution would you recommend?

- A. FCIP
- B. CWDM
- C. DWDM
- D. iSCSI

Answer: B

5. Which are two characteristics of the Cisco MDS Series fan modules? (Choose two.)

- A. Supervisor modules shut down the fan modules when the air temperature is below a preset threshold.
- B. If the Fan Status LED turns red, a fan has failed and the module must be replaced.
- C. Fan modules monitor air temperature and shut down if the temperature exceeds a preset threshold.
- D. Fan modules do not require the switch to be powered off in order to be replaced.

Answer: BD

6. Which statement is true concerning the Cisco MDS switch when operating in native interop mode?

- A. The MDS switch can interoperate with Non-MDS switches that are certified by SNIA.
- B. The MDS switch can interoperate with Non-MDS switches that support "MDS Native" mode.
- C. The MDS switch can interoperate with Non-MDS switches that properly adhere to Fibre Channel switch standards.
- D. The MDS switch cannot interoperate with Non-MDS switches.

Answer: C

7. Your customer wants to implement a SAN with redundant fabrics supporting 600 device ports. Which two Cisco MDS 9000 Family configurations will meet the customer's needs? (Choose two.)

- A. two MDS 9509 switches with redundant Supervisor-1 modules
- B. two MDS 9509 switches with redundant Supervisor-2 modules

C. two MDS 9513 switches with redundant Supervisor-1 modules

D. two MDS 9513 switches with redundant Supervisor-2 modules

Answer: BD

8. Your customer has a number of data storage requirements:

servers are not responsible for volume management or data migration

storage is provisioned in real time

legacy and heterogeneous storage assets can be consolidated and fully utilized

data can be protected using simplified snapshot and replication techniques

data can be assigned to different classes easily

Which solution would meet these requirements?

A. VSANs

B. Wide-Area Application Services (WAAS)

C. fabric-based virtualization

D. LUN zoning

E. host-based virtualization

Answer: C

9. Select three advantages of using fabric-based storage virtualization instead of host-based virtualization. (Choose three.)

A. offers a single point of management

B. supports heterogeneous storage

C. does not require a host agent

D. insulates the hosts from storage changes

E. provides mirroring

Answer: ACD

10. Which of these provides fabric-based virtualization for multiple independent software vendors?

A. Storage Services Module (SSM)

B. Cisco MDS 9000 32-port 1/2-Gbps Fibre Channel module

C. Multiprotocol Services module

D. Cisco MDS 9513 Supervisor 2

Answer: A

11. Refer to the exhibit. What port type should be used between the two switches to maximize performance?

A. B

B. E

C. F

D. NL

E. TE

Answer: B

12. Which SAN extension topology is a low-latency, cost-effective, high-bandwidth solution that is suitable only within a limited geographical area?

A. FCIP

B. DWDM

C. CWDM

D. SONET/SDH

Answer: C

13. Refer to the exhibit. Your customer has an existing SAN with eight edge switches and two core switches. In your detailed assessment, which metric will help you convince the customer to consider an alternative, more highly available topology?

- A. SFP characteristics
- B. total port count
- C. cost of edge switch devices
- D. total versus usable ports for end devices

Answer: D

14. Which technology should be used to provide transparent low latency FC transport across a metropolitan area?

- A. DWDM
- B. FCIP
- C. iSCSI
- D. iFCP

Answer: A

15. A customer would like to add Cisco MDS switches to an existing Brocade environment with minimal disruption. The Brocade switches are using PID-0 mode. Which two features will enable the creation of a Cisco-Brocade heterogeneous fabric without restricting the feature set of either switch? (Choose two.)

- A. interop mode 1
- B. interop mode 2
- C. interop mode 3
- D. IVR
- E. PortChannels
- F. CWDM

Answer: BD

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