IT 认证电子书

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Exam : **642-357**

Title : Designing Cisco Storage Network Solutions

Version : Demo

1.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

2.Your Cisco MDS 9509 configuration requires 2000 watts of power and is configured with two 2500W power supplies. If 110V power is provided to the switch, in which power mode does the switch operate?

A. The director will operate in redundant mode only.

B. The director will operate in combined mode only

C. The director will operate in redundant mode or combined mode

D. The director cannot operate with 110V power

Answer: B

3.Which two kinds of applications require sustained throughput and are sensitive to latency? (Choose two.)

A. synchronous replication

B. asynchronous replication

C. OLTP

D. tape backup

E. mail
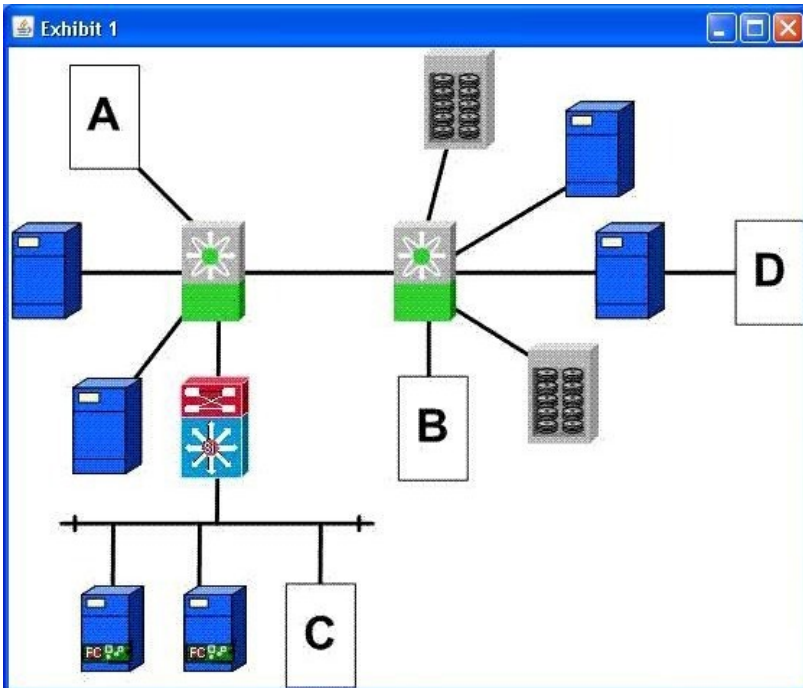
Answer: AD

4.Which of the following designs would provide your customer with the highest performance and port utilization?

A. multi-tier design

B. collapsed core design

C. corE.edge design

D. singlE.tier design
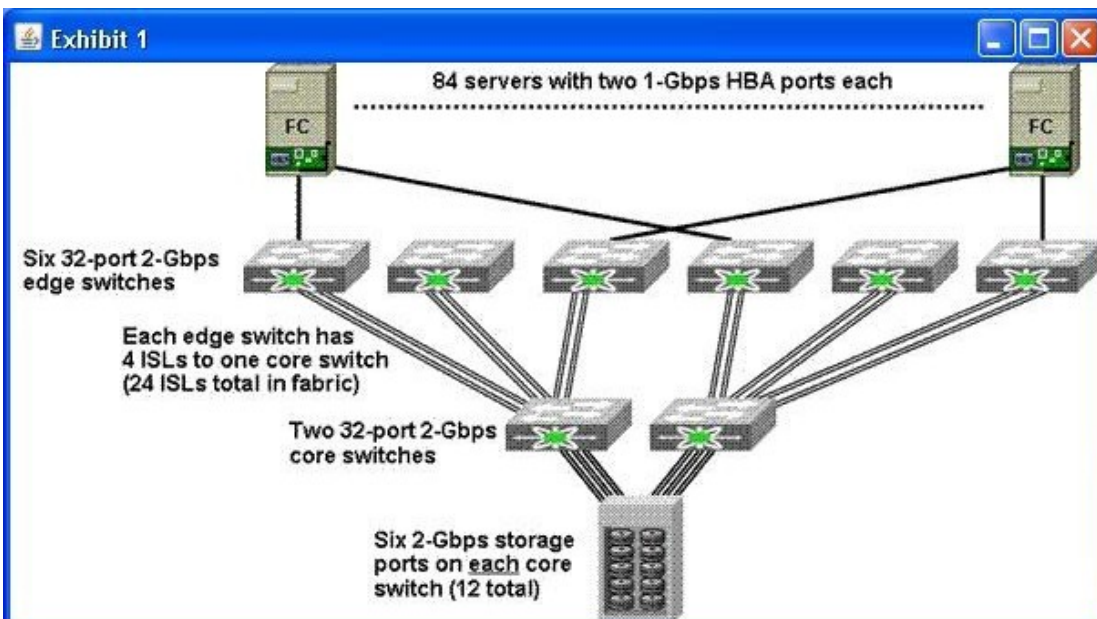
Answer: B

5.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

6.Refer to the exhibit.

You are designing a new SAN. The existing SAN uses eight 32-port 2-Gbps Fibre Channel switches. Two of the switches are deployed as core switches, and the remaining six switches are deployed as edge

switches. Each edge switch has two ISLs to each of the two core switches. The disk array has twelve 2-Gbps Fibre Channel ports. Each of the 84 servers has a dual-port 1-Gbps Fibre Channel HBA.

Which Cisco MDS 9000 configuration would improve performance?

A. two Cisco MDS 9216 switches, with two 48-port Fibre Channel line cards in each switch

B. two Cisco MDS 9506 switches, with three 32-port Fibre Channel line cards in each switch

C. two Cisco MDS 9506 switches, with one 16-port Fibre Channel line card and two 48-port Fibre Channel line cards in each switch

D. two Cisco MDS 9513 switches, with two 48-port Fibre Channel line cards in each switch

Answer: C

7.How does RolE.Based Access Control (RBAC) enhance manageability in an environment with VSANs?

A. limits operator errors by isolating user management domains within a large physical infrastructure

B. specifies port membership to a specific VSAN

C. configures security options for host ports that are assigned to a VSAN

D. configures VSAN membership for specific trunk ports

Answer: A

8.Which three of these Cisco storage and networking devices are optimized for use in FCIP SAN Extension implementations? (Choose three.

A. MDS 92161 Multilayer Fabric Switch

B. IPS-8

C. MDS 9120 Multilayer Fabric Switch

D. MDS 9140 Multilayer Fabric Switch

E. MPS-14/2

F. ssm

Answer: ABE

9.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 FibreChannel switch standards.

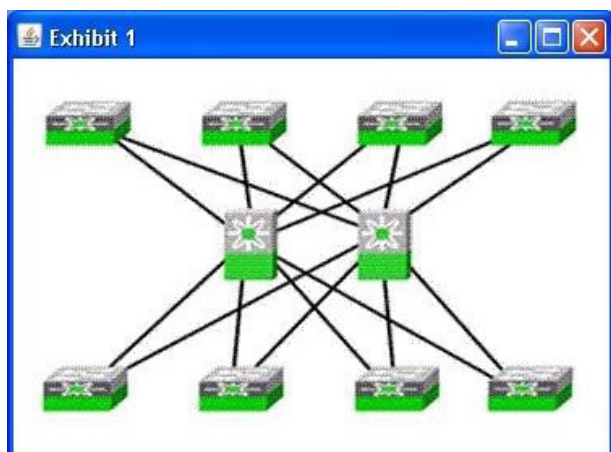D. The MDS switch cannot interoperate with Non-MDS switches.

Answer: C

10.Which two items are necessary when implementing a highly available SAN design? (Choose two.)

A. redundant hardware

B. localized data backups

C. real-time fabric monitoring

D. nondisruptive upgrades

E. traffic engineering and QoS

Answer: AD

11.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

12.Which two of these statements correctly identify how Cisco MDS Series switches increase the overall resiliency of SAN extension? (Choose two.)

A. VSANs and IVR eliminate the potential disruption of a WAN failure.

B. VSANs and IVR increase reliability by combining control traffic and data traffic over the WAN.

C. Parallel tunnels and PortChannels prevent any VSAN or IVR in the local fabric from failing.

D. PortChannels and VSANs can be used with FCIP to provide enD.to-end redundancy and load balancing.

E. Recovery at the PortChannel level, instead of at the FSPF routing level, is non-disruptive.

Answer: DE

13.Refer to the exhibit.
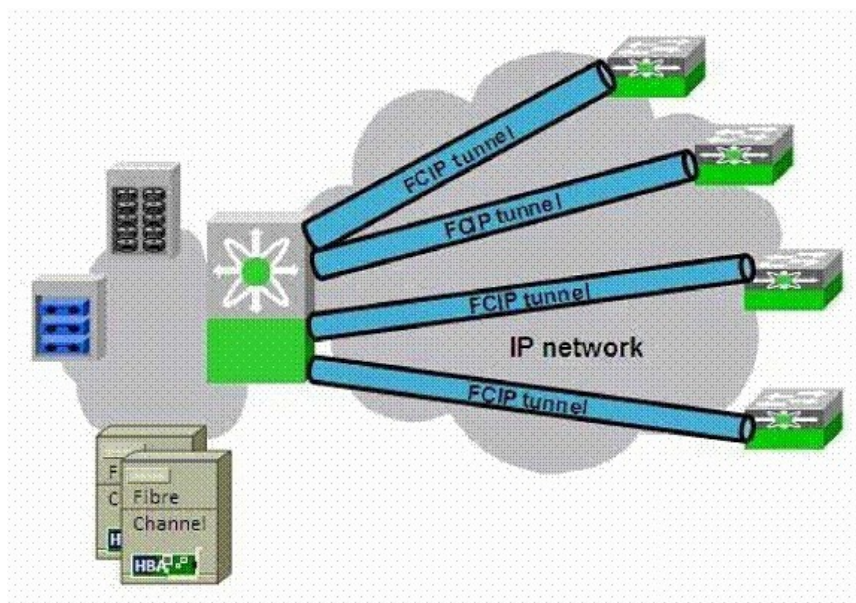
A customer is using an 18/4-Port Multiservice Module in his data center to provide FCIP connectivity to 20 remote sites. The 18/4 MSM has encountered connectivity problems at four of the remote sites. After investigating, the customer's network administrator found that the 18/4 MSM is sending 2300-byte 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 18/4 MSM.
B. Reduce the minimum retransmit timeout.
C. Disable jumbo frames on the 18/4 MSM.
D. Enable Path MTU Discovery.
Answer: D

14.Which three Fibre Channel switch features are unique to Cisco's MDS 9000 Series switches? (Choose three.)
A. LUN Zoning
B. ReaD-Only Zones
C. Internet-Switch Link
D. Fibre Channel Congestion Control
E. FC Link Aggregation
F. FSPF
Answer: ABD

15.Which of the following is the recommended design practice for routing from Cisco MDS to remote iSCSI host subnets?
A. configure a default route on the IPS module
B. configure a static route on the IPS module
C. configure a dynamic IP routing protocol on the IPS module
D. place the iSCSI hosts on the same subnet as the IPS module interface
Answer: B

16.What is an advantage of Cisco MDS 9000 Distributed Device Alias Services over Fibre Channel aliases?

A. Persist across switch reboots

B. Stored on the management server, not on the switch

C. Preserved when devices are moved between VSANs

D. Simplify SAN migration operations

Answer: C

17.A customer has recently deployed a number of Cisco MDS 9509 Multilayer Directors in a new data center. At the time of deployment, it was discovered that 110V AC power circuits had been installed instead of the high-voltage 220V AC circuits that had been ordered. The customer decided to install one of the directors and use the 110V AC circuit. The MDS 9509 is configured with two 2500W AC power supplies. The power supplies are configured in redundant mode.

What is the redundant power capacity of the MDS 9509 in this scenario?

A. 1300

B. 2500

C. 2600

D. 5000

Answer: A

18.A government agency data center that is used for tax processing is located in an earthquake fault zone. A backup data center, located 300 km away, is linked to the main data center over an OC.3 connection. Which of the following provides the best solution to extend the SAN for business continuance and for support of their IP applications?

A. synchronous replication using FCIP

B. iSCSI

C. FCIP and asynchronous replication

D. dark fiber connectivity and use of synchronous replication over FC

Answer: C

19.A customer has two data centers connected by dark fiber and also has a requirement for synchronous data replication between the data centers. If the data centers are 48 km apart, what is the most cost effective solution?

A. CWDM

B. IVR

C. FSPF

D. DWDM

E. Native FC

Answer: A

20.What is the principal cost advantage of a collapsed core SAN design compared to a core-edge design if each connects the same number of host and storage ports?

A. fewer hops for a given exchange

B. fewer long-wave SFPs

C. fewer ISL connections

D. fewer domains on the domain list

E. fewer director-class switches

Answer: C