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Advanced SAN Architecture

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QUESTION 1

How can you reduce Total Cost of Ownership (TCO) of a SAN?

- A. identify and address SAN islands in large corporations that will merge from smaller organizations
- B. identify and address pain levels when reducing operating staff
- C. identify and address pain levels associated with data movement, data sharing, and data growth
- D. identify and address pain levels at upper management

Correct Answer: C

QUESTION 2

A customer has an application with a single I/O stream. Data will be replicated over 100 km using DWDM between 2 Gbps SAN fabrics. From where does the most significant delay come?

- A. replication algorithm
- B. DWDM devices
- C. ISLs
- D. switch internal routing

Correct Answer: C

QUESTION 3

Backbone SANs are best suited for what type of traffic?

- A. many-to-many
- B. one-to-one
- C. many-to-one
- D. localized

Correct Answer: A

QUESTION 4

What is the maximum number of hops in a fabric based on the HP StorageWorks B-Series (Brocade) fabric switches?

- A. 7



B. 1

C. 6

D. 3

Correct Answer: A

QUESTION 5

A SAN administrator has a dual fabric (Fabric-A and Fabric-B) NSPOF SAN with Windows hosts that are connected to an EVA storage subsystem. Each host has two HBAs and Secure Path. The administrator needs to move all the data traffic to Fabric-B. What are two recommended ways to accomplish this? (Choose two.)

A. use Secure Path to move the LUN access to the required HBA

B. disable all the switches in Fabric-A

C. disable all the switch ports in Fabric-A attached the HBAs in the hosts

D. power off all the switches in Fabric-A

E. disconnect the cables from the HBAs attached to Fabric-A

Correct Answer: AC

QUESTION 6

What are three fabric topology events that can be monitored with the B-Series (Brocade) Fabric Manager? (Choose three.)

A. zone changes

B. topology reconfigurations

C. average SAN resource utilization

D. GBIC/SFP extractions/insertions

E. SAN peak hours traffic changes

Correct Answer: ABD

QUESTION 7

What is an advantage of a core/edge topology?

A. There is increased management for SAN capacity planning.

B. It has performance characteristics suitable fortiering.



- C. Multiple backup processes can now run on one ISL.
- D. Fewer edge switches are used in this design thereby reducing the overall cost.

Correct Answer: B

QUESTION 8

What three factors should be considered when migrating a SAN from a ring topology to a core- edge topology. (Choose three.)

- A. security
- B. port count
- C. cross-sectional bandwidth
- D. zoning
- E. traffic patterns

Correct Answer: BCE

QUESTION 9

In many cases, the growth pattern for a storage installation is difficult or impossible to predict. To accommodate this unpredictability, the SAN architect should allow for growth within a predefined design that _____.

- A. uses the initial installation as a subset of a larger pre-designed configuration
- B. uses the cascaded switch topology as the initial installation
- C. is a subset of the mesh for a smaller configuration
- D. uses the ring switch topology as the initial installation

Correct Answer: A

QUESTION 10

Which three HP storage arrays are capable of remote array-based replication? (Choose three.)

- A. MA8000
- B. MSA1000
- C. VA7410
- D. XP1024
- E. EVA5000



F. RA4100

Correct Answer: ADE

QUESTION 11

Backbone SANs are best suited for what type of traffic?

- A. localized
- B. many-to-one
- C. many-to-many
- D. one-to-one

Correct Answer: C

QUESTION 12

What is a common cause of downtime in a customer's IT application, databases, and infrastructure?

- A. software malfunction
- B. power outages
- C. human error
- D. computer viruses

Correct Answer: C

QUESTION 13

What is a Recovery Point Objective (RPO) of three hours indicate as it relates to backup and restore?

- A. Data should be cloned and restored every three hours.
- B. The amount of data lost with backups should not exceed three hours.
- C. Data is restored and the environment is operational within three hours.
- D. The data should be fully backed up and restored every three hours.

Correct Answer: B

QUESTION 14

When planning to scale a SAN by migrating topologies, best practices recommend the SAN should be _____.



- A. well documented
- B. using non-persistent addressing
- C. zoned before the change
- D. restarted

Correct Answer: A

QUESTION 15

You are implementing a SAN solution. When should a SAN architecture be created?

- A. anytime
- B. before any design or implementation
- C. when the SAN is being designed
- D. when the SAN is implemented

Correct Answer: B

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