

HP0-815^{Q&As}

Advanced SAN Architecture

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QUESTION 1

What is a design property of the Core+Edge+Leaf SAN topology?

- A. It allows many devices to share a single ISL.
- B. It provides a reasonable bandwidth guarantee to nodes connected to a first- or second-level edge switch.
- C. It allows for placing trunking-capable switches adjacent to each other.
- D. It involves simplex I/O, meaning only one path is utilized for I/O.

Correct Answer: B

QUESTION 2

On what is the design of the "Tree" SAN topology based?

- A. a fabric design that has one or more Fibre Channel switches acting as fabric backbones which dedicate all FC ports as ISLs
- B. a fabric design that has one or more Fibre Channel switches acting as the ISL trunk manager
- C. a fabric design that has one or more Fibre Channel switches acting as the Topology Configuration server
- D. a fabric design that has switches that act as policy controllers for storage failover

Correct Answer: A

QUESTION 3

For HP, what is Data Availability Level 4 in a SAN?

- A. maximum connectivity using a single non-meshed fabric, a single server and single storage paths
- B. designs with more than one ISL between switches and the addition of multiple data paths between servers and storage connecting into one fabric
- C. designs with more than one ISL between switches that provide the benefit of fabric resiliency against link failure
- D. designs with dual fabrics using multiple physically separate fabrics, multi-path designs

Correct Answer: D

QUESTION 4

What is Wavelength Division Multiplexing (WDM)?

- A. multiple wavelengths used to allow multiple simultaneous connections on a single fiber optic cable

- B. multiple wavelengths using Frequency Modulation on a single fiber optic cable
- C. multiple wavelengths using Time-Division Multiplexing on a single fiber optic cable
- D. multiple wavelengths using Amplitude Modulation on a single fiber optic cable

Correct Answer: A

QUESTION 5

What are three characteristics of B-Series (Brocade) Fabric Manager? (Choose three.)

- A. multiple switch management
- B. single switch management
- C. is embedded in the Brocade switch firmware
- D. provides in-band management
- E. is a separate software package
- F. provides out-of-band management

Correct Answer: AEF

QUESTION 6

A SAN administrator needs to change the Domain ID and Core PID parameters on a switch that is part of a production fabric. Which two statements about this update are true? (Choose two.)

- A. The Core PID parameter does not need to be manually changed; it will automatically be selected.
- B. This process cannot be performed with the switch online and is disruptive.
- C. This process can be performed with the switch online without disruption.
- D. The switch must be rebooted to set the Domain ID and Core PID.
- E. The Core PID parameter must be manually changed as it is set to a default value in the factory.

Correct Answer: BE

QUESTION 7

What does a Recovery Time Objective (RTO) of three hours indicate as it relates to backup and restore?

- A. Data is restored and the environment is operational within three hours.
- B. The amount of data lost with backups should not exceed three hours.

- C. The data should be fully backed up and restored every three hours.
- D. Data should be cloned and restored every three hours.

Correct Answer: A

QUESTION 8

A customer currently performs a full backup of a 1 TB LUN on an application server attached to the SAN using an internal tape drive in the server. They want a SAN-based backup that centralizes their backups and minimizes the downtime of their application. Initially, the customer only wants to back up the changes to the data as they already have a full backup. Which solution meets this business need?

- A. clone + full backup
- B. snapshot + full backup
- C. snapshot + incremental backup
- D. clone + incremental backup
- E. snapshot + differential backup
- F. clone + differential backup

Correct Answer: B

QUESTION 9

A customer has a SAN solution that is configured for disaster recovery using EVAs with synchronous data replication. An employee suggests that they do not need to back up their EVAs anymore as the data is protected at all times. As a SAN architect, what is your advice to the customer?

- A. You agree with the employee but only if snapshots and clones are maintained at set intervals.
- B. You agree with the employee.
- C. You disagree and recommend continuing with the backups and explain why.
- D. You agree with the employee but only if clones are maintained at set intervals.

Correct Answer: C

QUESTION 10

A customer has an application that is considered mission critical. In the event of a disaster, they want a replication solution that will guarantee that the replicated data is identical to the source without any data loss. Which solution accomplishes this?

- A. synchronous replication

- B. bidirectional replication
- C. asynchronous replication
- D. fan-out replication

Correct Answer: A

QUESTION 11

You are using 2 Gb switches connected in a dual ring topology with two ISLs. What is the maximum cross-sectional bandwidth?

- A. 400Mbyte/sec
- B. 200Mbyte/sec
- C. 800Mbyte/sec
- D. 350Mbyte/sec

Correct Answer: C

QUESTION 12

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 13

What are two benefits of migrating from one SAN topology to another SAN topology? (Choose two.)

- A. The management of the SAN is simplified.
- B. The SAN can scale to support additional storage devices and applications servers.
- C. Zone conflicts and limitations are resolved.
- D. Many smaller switches are consolidated into fewer large fabric switches.

Correct Answer: BD

QUESTION 14

What is an advantage of a core/edge topology?

- A. Fewer edge switches are used in this design thereby reducing the overall cost.
- B. It has performance characteristics suitable for tiering.
- C. Multiple backup processes can now run on one ISL.
- D. There is increased management for SAN capacity planning.

Correct Answer: B

QUESTION 15

What is the most important security feature in any environment?

- A. defined security policies for a defined security domain
- B. attitude and enforcement of the security policies
- C. a secure area for the systems in the security domain
- D. regular security audits

Correct Answer: B

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