



Vendor: HP

Exam Code: HP0-J65

Exam Name: Designing HP SAN Networking Solutions

Version: DEMO

QUESTION 1

To install additional switches, you must determine the ideal ISL ratio. Which ISL ratio range is recommended for less I/O intensive application requirements (less than 70 MB/s at 2 Gb/s, less than 140 MB/s at 4 Gb/s, less than 280 MB/s at 8 Gb/s)?

- A. 3:1 to 1:1
- B. 1:1 to 3:1
- C. 15:1 to 7:1
- D. 7:1 to 15:1

Answer: D

Explanation:

Recommended core-edge fabric ISL ratios I/O workload Recommended ratios Higher I/O data intensive application requirements (greater than 70 MB/s at 1:1 to 3:1 2 Gb /s, greater than 140 MB/s at 4 Gb /s, greater than 280 MB/s at 8 Gb /s) Lower I/O data intensive application requirements (<70MB/s at 2 Gb / s, <140 7:1 to 15:1)

QUESTION 2

Which Fibre Channel timing variables must match in an interoperable fabric?

- A. Timing variables do not need to match.
- B. R_A_TOV, E_D_TOV and B_B_TOV
- C. R_A_TOV and E_D_TOV
- D. R_A_TOV and B_B_TOV

Answer: C

QUESTION 3

You are preparing an installation plan for implementing a new SAN design and want to ensure all customer needs are included. Which data collection method requires that you create a process list and review all relevant stakeholders?

- A. Card Arrangement
- B. Information Extraction
- C. Brainstorming
- D. Process Mapping

Answer: B

QUESTION 4

Which information should be included in the topology map documentation of a SAN design provided to your support organization? (Select two.)

- A. serial numbers of connected servers
- B. SAN switch zoning configurations
- C. storage controller operating mode parameters
- D. IP addresses of the connected servers
- E. World Wide Names of all nodes and devices

Answer: BE

QUESTION 5

You are implementing a SAN infrastructure including an HP StorageWorks EVA4400 at Your customer site. The customer is interested in using three-site cascaded replication functionality. What should you recommend to accomplish this? (Select two)

- A. HP StorageWorks FlexCopy
- B. HP Continuous Access EVA
- C. additional disks in the EVA
- D. HP Virtual Replicator
- E. HP Business Copy EVA

Answer: BE

QUESTION 6

Which HP tool provides the ability to create a Microsoft Visio diagram of a SAN topology for your customer documentation?

- A. SAN Health
- B. SAN Designer
- C. SAN Visibility
- D. SAN Navigator

Answer: C

QUESTION 7

A single Fibre Channel router is implemented in an existing SAN. What can be accomplished?

- A. fabric management service
- B. fabric interconnection without merge
- C. SAN availability improvement
- D. SAN extension across long distances

Answer: B

QUESTION 8

Which features can affect performance in a SAN? (Select three.)

- A. cable modes
- B. number of ISLs
- C. type of LC connector
- D. storage array configuration
- E. type and capacity of disks used
- F. storage access restrictions

Answer: BDE

QUESTION 9

What has the most influence on the response time of a hard disk drive?

- A. arbitration
- B. host request
- C. rotational delay
- D. seek time

Answer: C

QUESTION 10

You are preparing for a homogeneous fabric merge and notice the customer set the same domain ID for all fabrics. What will happen if this is not corrected?

- A. Enabled zone configurations are immediately disabled.
- B. Domain IDs remain unchanged and the fabrics become segmented.
- C. Domain IDs are automatically renumbered and the fabrics merge, but port zoning is affected.
- D. Domain IDs are automatically renumbered and the fabrics merge without any side effect.

Answer: B

QUESTION 11

Which method should you use to quickly and easily document a new customer SAN configuration?

- A. Follow all cabling from port to port, write down source and target of the cables, label the cables, and record the labels.
- B. Collect the customer's configuration data using SANVisibility, upload the data and verify the report as soon as you get the documents.
- C. Install HP SIM and HP Storage Essentials SRM in 60-day trial mode on a new Windows Central Management Server and collect the site information to evaluate the result with Report Designer
- D. Use Finisar Fibre Channel Sniffer to determine source, destination, quality and performance of the Fibre Channel configuration.

Answer: B

Section: (none)

QUESTION 12

Which tasks are performed in the background by a storage system if write-back caching is enabled? (Select two.)

- A. Rotate
- B. Cache data
- C. CPU processing
- D. Acknowledge to Write
- E. Seek

Answer: AE

QUESTION 13

Which HP offering most effectively provides customers with SAN management knowledge and skills?

- A. free downloadable documentation
- B. web-based and instructor-led training
- C. on-site technical HP support engineers
- D. proactive and reactive support

Answer: B

QUESTION 14

Which activity should be done last during the fulfillment of an HP Installation and Startup Service?

- A. infrastructure functionality test
- B. customer orientation session
- C. documentation preparation
- D. Call Home Software (ISEE) installation

Answer: B

QUESTION 15

What are the best SAN topologies for a one-to-one local data locality? (Select two.)

- A. meshed fabric
- B. ring fabric
- C. fat tree backbone fabric
- D. cascaded fabric
- E. skinny tree backbone fabric

Answer: BD

QUESTION 16

Which SAN component integrates the quality and features of HP SAN hardware devices to simplify the storage network complexity?

- A. high speed cabling
- B. open standard protocols
- C. industry standard host bus adapters
- D. SAN management software

Answer: D

QUESTION 17

Which HP StorageWorks software utility can be used to analyze. Your customer's current SAN environment and produce an accurate topology diagram?

- A. SAN Visibility tool
- B. SAN Designer tool
- C. SAN Analysis tool

D. SAN Sizing tool

Answer: A

QUESTION 18

What is the maximum distance between 8 Gb/s switches using nominal bandwidth (OM2) multimode fiber optic cables?

- A. 50 meters
- B. 150 meters
- C. 380 meters
- D. 500 meters

Answer: A

QUESTION 19

How many ports are supported on an 8/20q Fibre Channel switch with the Simple SAN Connection Kit?

- A. 8 ports to 20 ports, in 4-port increments
- B. 12 ports to 20 ports, in 4-port increments
- C. 16 ports to 20 ports, in 2-port increments
- D. 16 ports to 20 ports, in 4-port increments

Answer: A

QUESTION 20

Which SAN design element reduces total cost of ownership?

- A. upgrade capability
- B. increased performance
- C. replicated data
- D. centralized backup

Answer: D

QUESTION 21

Which SAN design element requires the development of a timeline?

- A. Documentation
- B. Solution Design
- C. Deployment
- D. Information Gathering

Answer: C

QUESTION 22

What should you do to give multiple servers exclusive access to units on a storage subsystem in

a SAN?

- A. Zone the fabric.
- B. Set the operating system type on the connections.
- C. Set up LUN masking on each unit to the appropriate host(s).
- D. Set unit offsets on each connection.

Answer: C

QUESTION 23

Which HP Service tool performs an operating system binary event log analysis?

- A. ISEE
- B. WEBES
- C. RISS
- D. OSEM

Answer: B

QUESTION 24

Which HP StorageWorks C-Series SAN switch service allows incompatible devices to operate on the same switch with separate instances of fabric services?

- A. virtual fabric
- B. virtual output queuing
- C. virtual storage area network
- D. N_Port_ID virtualization

Answer: C

QUESTION 25

Your customer is concerned about business continuity. Which SAN design elements should you highlight to demonstrate that the concern has been addressed? (Select two.)

- A. NSPOF
- B. fast backups
- C. storage virtualization
- D. centralized management
- E. failover software

Answer: AE

QUESTION 26

Which documents are helpful when you associate a WWN with a physical port of a SAN device for troubleshooting purposes? (Select two.)

- A. cabling layout
- B. zoning map
- C. configuration layout

- D. topology map
- E. naming convention

Answer: BC

Explanation:

Configuration layout--Shows the physical layout of components; use for troubleshooting and to verify the correct connectivity Zoning map--Defines the communication access settings for devices and user ports in the SAN

QUESTION 27

You are configuring advanced zoning in an enterprise SAN fabric using 5.2x firmware. What is the maximum zoning database size?

- A. 96 KB
- B. 256 KB
- C. 1 MB
- D. 5 MB

Answer: C

Explanation:

Advanced Zoning- The maximum zoning database size is as follows:

* If all switches in a fabric are using firmware 5.2x (or later), the database size must not exceed 1 MB.

* If the fabric contains 1 Gb /s switches with firmware 2.6.1x (or later), the database must not exceed 96 KB.

* If the fabric contains 2 Gb /s or 4 Gb / s switches with firmware 3.2.x (or later), the database must not exceed 256 KB.

QUESTION 28

Which factors must be considered when validating data availability goals in a SAN solution? (Select two.)

- A. HBA driver version
- B. number of switches
- C. availability of SRM tools
- D. SAN fabric infrastructure
- E. port speed

Answer: BD

Explanation:

Several factors affect SAN data availability:

Application software

Server operating systems

Server hardware

SAN fabric infrastructure

Primary and secondary storage

Number of switches

Number of ISLs

Number of paths between a server or clustered servers and the fabric Number of storage controller paths in the fabric

QUESTION 29

You are planning a SAN solution for Your customer. What is the most important SAN design consideration?

- A. Define a disaster recovery plan.
- B. Determine the customer's business and IT requirements.
- C. Determine the hardware requirements for the customer's most critical business application.
- D. Use devices from a single vendor.

Answer: B

QUESTION 30

When is zoning required? (Select three.)

- A. when the number of nodes or ports in the SAN exceeds the storage system connection limit
- B. when mixing OpenVMS and Tru64 UNIX operating systems connected to the same storage subsystem
- C. when the SAN performance does not meet the needs of the customer's application environment
- D. when there are known interaction problems between different hardware platforms
- E. when mixing operating systems that are currently only supported in homogeneous SANs
- F. when inter-switch linktrunking between core switches is implemented

Answer: ADE

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