



**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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