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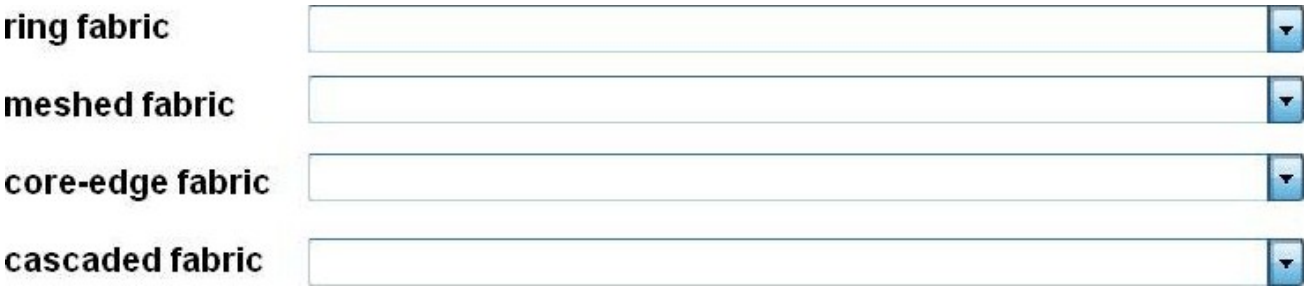
Exam : **HP0-J62**

Title : HP Storage Solutions Foundation

Version : Demo

1.A company is planning to implement a backup and archiving solution.
They have the following requirements:
- Corrupt data files must be restored within seconds
- Archived data must be available for 15 years.
- Archived data must be stored off-site.
Which types of solutions should the company use? (Select two.)
A. Remote replication for backup data
B. Remote replication for archived data
C. Tape-based storage for backup data
D. Tape-based storage for archived data
E. Disk-based storage for backup data
F. Disk-based storage for archived data
Answer: D,E

2.HOTSPOT
Match the SAN fabric topology with the appropriate description of how interconnected switches are arranged in that fabric.



ring fabric

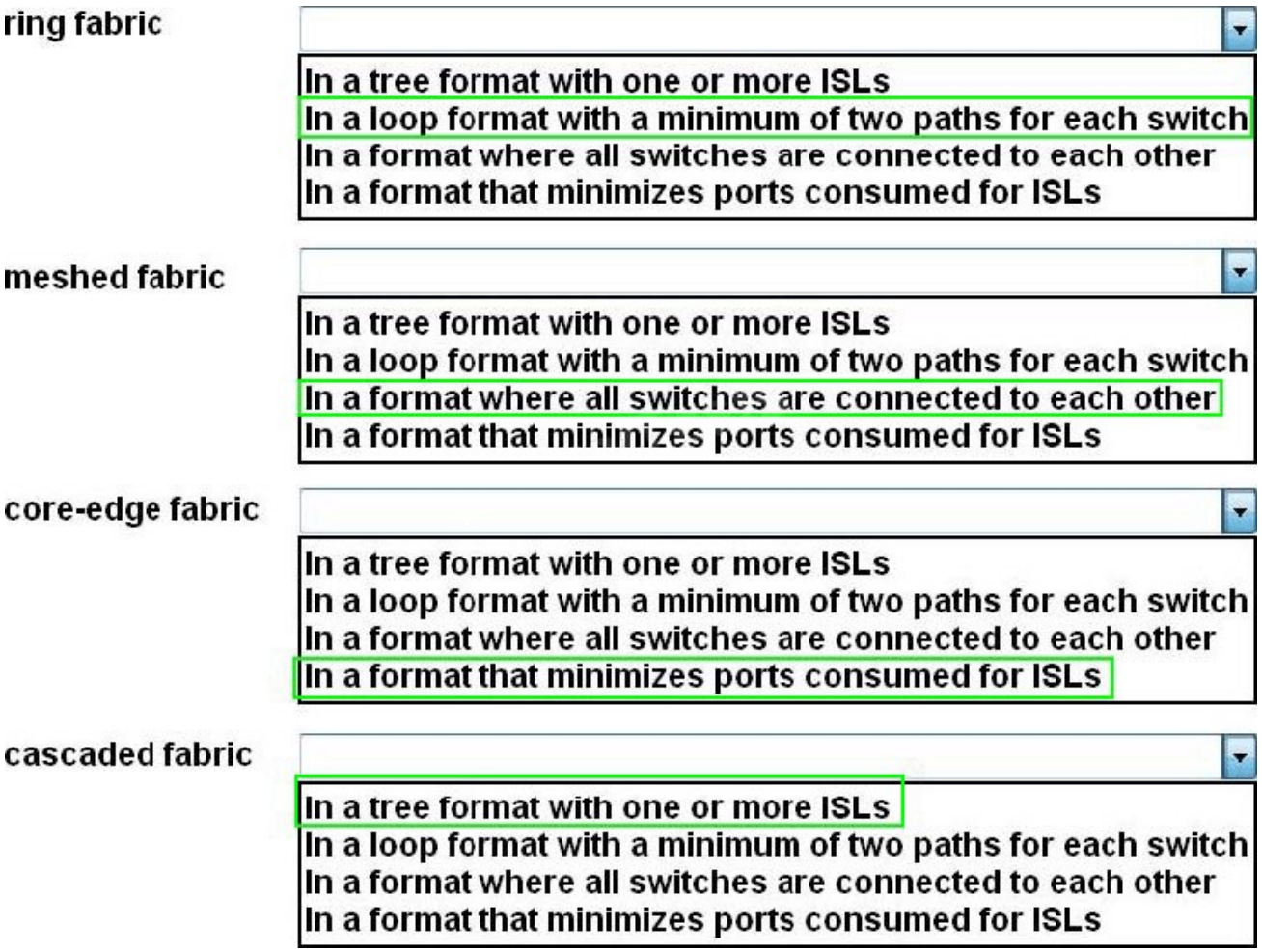
meshed fabric

core-edge fabric

cascaded fabric

In a tree format with one or more ISLs
In a loop format with a minimum of two paths for each switch
In a format where all switches are connected to each other
In a format that minimizes ports consumed for ISLs

Answer:



3.Which functions are provided by server-based storage virtualization? (Select two.)

A. Host path failover

B. Volume sharing among multiple servers

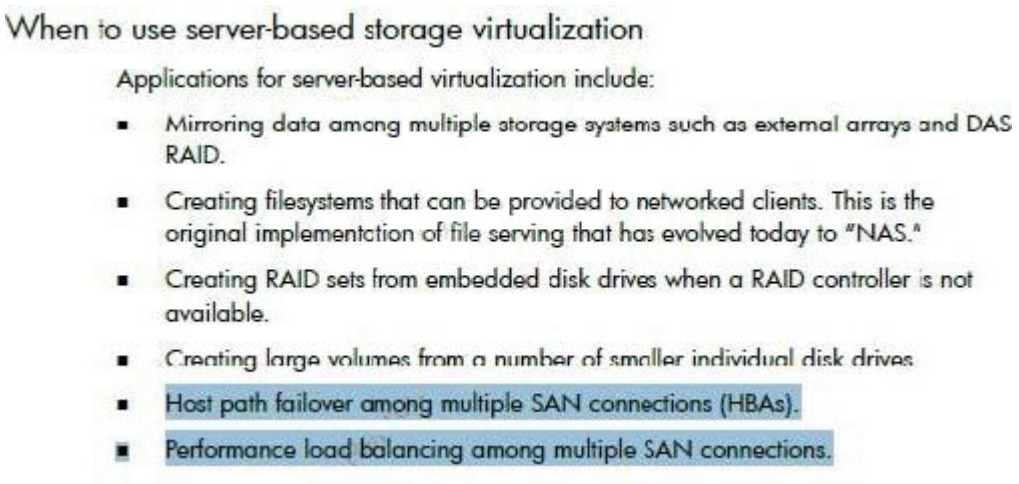
C. Performance load balancing of SAN connections

D. Intelligent LUN expansion and reduction

E. Thin provisioning

Answer: A,C

4.Which device typically has a SCSi ID of?

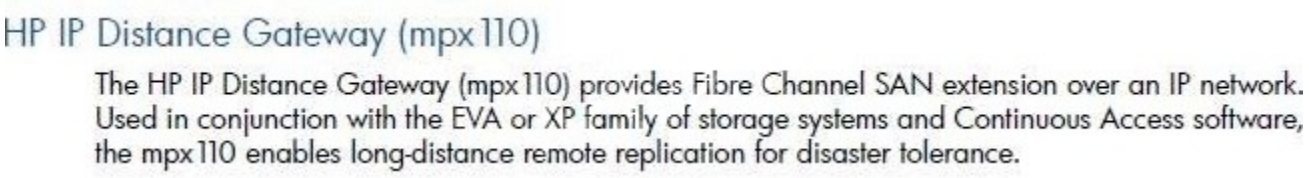

When to use server-based storage virtualization

Applications for server-based virtualization include:

- Mirroring data among multiple storage systems such as external arrays and DAS RAID.
- Creating filesystems that can be provided to networked clients. This is the original implementation of file serving that has evolved today to "NAS."
- Creating RAID sets from embedded disk drives when a RAID controller is not available.
- Creating large volumes from a number of smaller individual disk drives
- Host path failover among multiple SAN connections (HBAs).
- Performance load balancing among multiple SAN connections.

A. Narrow SCSi tape
B. SCSi host adapter
C. Bootable Hard Drive
D. First device
Answer: B

5.A customer wants to enable a long distance (~50km/31miles) replication for their Fibre Channel-Based enterprise storage solution. Because of budget restrictions, they want a low-cost solution that supports replication.
Which type of solution meet these requirements?
A. Network Storage Router
B. Extended SAN switch
C. WAN Accelerator
D. IP Distance Gateway
Answer: D
Explanation:


HP IP Distance Gateway (mpx110)

The HP IP Distance Gateway (mpx110) provides Fibre Channel SAN extension over an IP network. Used in conjunction with the EVA or XP family of storage systems and Continuous Access software, the mpx110 enables long-distance remote replication for disaster tolerance.

6.Which drive technology uses flash memory and protects against environmental impacts on the drive?
A. SCSI
B. SAS
C. SSD
D. ATA/IDE
Answer: C

7.HOTSPOT
Match the components of HP Converged Storage with their appropriate description.

converged systems

converged utility storage

converged virtual storage

converged management

converged systems

Consolidates common infrastructure to reduce hardware, management, power, and cooling costs,

Provides packaged solutions that can be delivered in portable data centers.

Provides multi-tenancy, autonomic management, and autonomic storage tiering.

Automates IT services and application delivery.

converged utility storage

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converged management

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Answer:

converged systems

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converged virtual storage

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converged management

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Explanation:

Converged systems – provides packaged solutions that can be delivered in portable data centers Converged utility storage – provides multi-tenancy, autonomic management, and autonomic storage tiering Converged virtual storage – consolidates common infrastructure to reduce hardware, management, power and cooling costs. Converged management – automate IT services and application delivery

8.Which function of SNMP enables information to be collected?
A. Management Information Base (MIB)
B. SNMP trap
C. SNMP manager
D. SNMP agent
Answer: B

9.A system administrator is integrating a tape library into a SAN environment to facilitate the SAN backup process. The administrator needs to simplify configuration and maintenance procedures and to manage security and reliability across the SAN.
What should the administrator do to accomplish these tasks?
A. Implement a Fibre Channel interface controller.
B. Configure the SAN for automatic zoning information updates.
C. Install DAT drives that use DDS technology and automated disaster recovery.
D. Implement an FC-AL topology by modifying an N_Port to be an NL_Port
Answer: A
Explanation:
To facilitate backup within a SAN, configuration and maintenance procedures are sometimes simplified by using Fibre Channel interface controllers. The interface controllers can be used to manage the shared network access, providing much of the reliability and security required. The controller is sometimes implemented through the use of network storage routers, which are often referred to by the acronym NSRs.

10.HP StoreOnce Backup Systems support CIFS and NFS protocols. Which benefits result from this support? (Select two.)
A. NAS target devices can have separate network configurations for each rack in a two-rack system.
B. NAS target devices can be created for Windows and UNIX/Linux hosts.
C. NAS target devices can be used with most backup applications that support backup to disk.
D. NAS target devices can be integrated into backup routines without a new backup job.
E. NAS target devices can be used for general purpose file storage.
Answer: B,C
Explanation:
Reference: http://bizsupport1.austin.hp.com/bc/docs/support/SupportManual/c02734522/c02734522.pdf (page 5, NAS targets for backup applications)

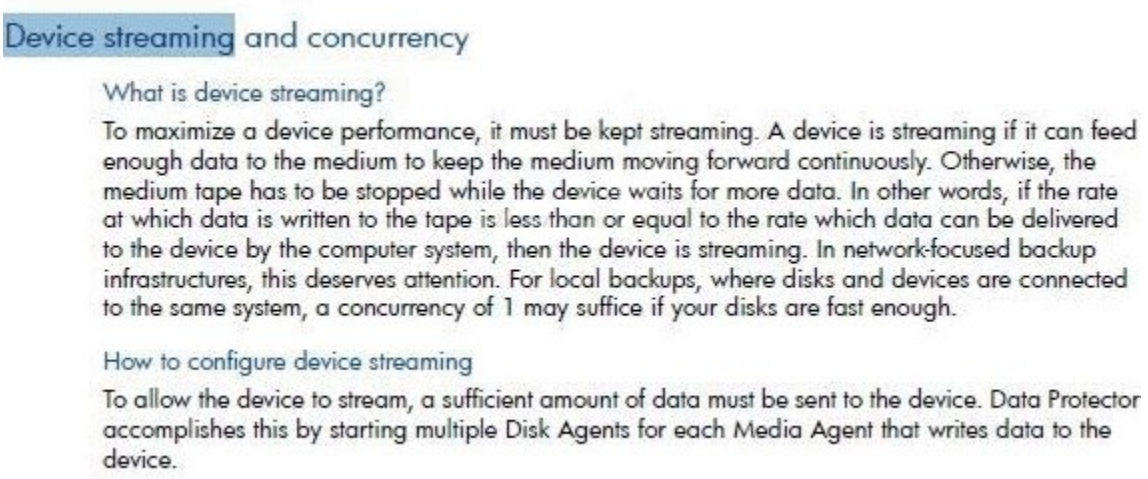
11.A company is planning to deploy data tiring in a SAN environment. They need a solution that provides the maximum performance for the first tier and the maximum capacity for the second tier.
Which drive types should the company use? (Select two.)
A. near line (SATA)
B. solid-state drive (SSD)
C. serial-attached SCSI (SAS)
D. Fibre Channel (FC)
E. Fibre-attached ATA (FATA)

Answer: A,B

12.A company needs a solution that provides storage only as needed. The company's goal is to reduce capital expenditures and lower the power and cooling overhead to reduce operating expenditures.
Which type of storage implementation meets these requirements?
A. Thin provisioning
B. Scale-out storage arrays
C. Scale-up storage servers
D. Virtual storage arrays
Answer: D

13.A company is planning an online backup strategy for a highly available database application.
Which key component must be included in the backup strategy?
A. Rollback logs
B. Temp logs
C. Transaction logs
D. Event logs
Answer: C

14.A customer wants to upgrade their backup architecture and is considering a backup-to-tape solution. They want to achieve the highest performance possible with this solution.
Which critical performance factor should they consider when choosing a tape device?
A. The ability to keep the device streaming
B. The capacity of the tape cartridges
C. The type of backup software being used
D. The type of data to be backed up
Answer: A
Explanation:



Device streaming and concurrency

What is device streaming?

To maximize a device performance, it must be kept streaming. A device is streaming if it can feed enough data to the medium to keep the medium moving forward continuously. Otherwise, the medium tape has to be stopped while the device waits for more data. In other words, if the rate at which data is written to the tape is less than or equal to the rate which data can be delivered to the device by the computer system, then the device is streaming. In network-focused backup infrastructures, this deserves attention. For local backups, where disks and devices are connected to the same system, a concurrency of 1 may suffice if your disks are fast enough.

How to configure device streaming

To allow the device to stream, a sufficient amount of data must be sent to the device. Data Protector accomplishes this by starting multiple Disk Agents for each Media Agent that writes data to the device.

15.A customer is planning unattended backups of multiple branch offices. They do not need off-site storage, but rapid reserves are essentials?
Which backup storage technology should they implement?

A. Backup to disk-based storage
B. Backup to local tape drives
C. Backup to SAN-attached tape libraries
D. Backup to network-shared optical jukeboxes
Answer: A
Explanation:

Another backup device is the virtual tape library. A virtual library system (VLS) is a disk-based storage solution that can offer both unattended backup and rapid restores of data for LAN-based servers.