

HP

Exam HP0-J61

Delta - Designing HP SMB Storage Solutions

Version: 7.0

[Total Questions: 87]

Question No : 1

A customer is planning to migrate data from an HP EVA4400 to an HP 3PAR StoreServ 7000 Storage System.

What should the customer use to migrate the data?

- A. Online Import
- B. Recovery Manager
- C. Remote Copy
- D. Peer Motion

Answer: A

Reference:<http://h20195.www2.hp.com/v2/GetPDF.aspx%2F4AA4-3999ENW.pdf>(page 26, conclusion)

Question No : 2

What is a main benefit of HP StoreOnce deduplication?

- A. It optimizes storage capacity to retain more data within a disk backup device.
- B. It allows the devices that contain the data to be thinly provisioned.
- C. It enables snapshot of deduplicated data to be made easily.
- D. It encrypts data to prevent corruption during the backup cycle.

Answer: A

Reference:http://h18000.www1.hp.com/products/quickspecs/13218_div/13218_div.pdf(page 4, see improve backup efficiency with data deduplication)

Question No : 3

A storage administrator is migrating data from a third party storage system to an HP 3PAR StoreServ 7000 Storage System. The administrator needs to ensure that certain hosts will be managed by only specific user accounts?

What should be included in the designed solution?

- A. Common provisioning groups
- B. Virtual domains
- C. Active Directory Integration
- D. Logical volumes

Answer: B

Explanation: Note:

* When used together with HP 3PAR Virtual Domains, Autonomic Groups allows multiple independent virtual domains to be grouped as a single logical entity to simplify storage administration while maintaining the integrity of individual virtual domains. For example, backing up an autonomic domain group actually backs up all virtual domains in the group to a single backup server while still maintaining the security and isolation associated with each individual domain.

Incorrect:

Not C: The common provisioning group (CPG) is fundamental to administration and reporting of HP 3PAR StoreServ. It allows virtual volumes to share the CPG's resources and allocate space on demand. A CPG can automatically grow its space through mapping the logical disk space.

CPGs pre-define many of the attributes a virtual volume will have when it is created. Some of these attributes include:

- RAID level (for example, RAID5, RAID6, etc.)
- RAID set size
- Physical drive type
- Drive speed
- Availability (the level of hardware fault tolerance)
- Other attributes

Question No : 4

A customer plans to implement an HP StoreVirtual 4130 Storage System. They need 7 TB of usable capacity using network RAID 10.

How many HP StoreVirtual 4130 Storage will they need to meet this requirement?

- A. One
- B. Two
- C. Three
- D. Four

Answer: D

Question No : 5

A customer to migrate data to a new database environment. They need to make a physical copy of and their data that can be presented to the new environment with the highest level of availability.

Which form of replication should the customer use?

- A. Asynchronous replication
- B. Backup to disk
- C. Clones
- D. Snapshot

Answer: C

Question No : 6

A customer plans to purchase an HP StoreVirtual 4330 System to use as a shared backup repository. They need to select the storage system model that will help them maximize storage and minimize storage and minimize costs.

Which type of devices should the HP StoreVirtual 4330 model contain?

- A. 900 GB 10k drives
- B. 1 TB 7.2k drives
- C. 2 TB 7.2k drives
- D. 3 TB 7.2k drives

Answer: A

Question No : 7

A company's storage infrastructure has grown dynamically, heterogeneously, and largest in scale. As a result, the infrastructure is more difficult to merge. The company needs to eliminate manual, repetitive, and error-prone administrative tasks.

What should the company use to achieve this goal?

- A. Thin provisioning
- B. Storage tiring
- C. Hierarchical storage management
- D. Autonomic management

Answer: D

Reference:http://www.ts.avnet.com/uk/vendors/hp/assets/hp_p10000_3par_architecture_w_hite_paper.pdf(page 2, last bulleted point on the page)

Question No : 8

A customer needs to balance high availability and cost to meet various service level agreements, depending on the application requirements.

Which storage methodology should the customer use?

- A. Storage RAID
- B. Storage tiering
- C. Storage federation
- D. Deduplication storage

Answer: B

Explanation: Tiered storage is the assignment of different categories of data to different types of storage media in order to reduce total storage cost. Categories may be based on levels of protection needed, performance requirements, frequency of use, and other considerations. Since assigning data to particular media may be an ongoing and complex activity, some vendors provide software for automatically managing the process based on a company-defined policy.

As an example of tiered storage, tier 1 data (such as mission-critical, recently accessed, or

top secret files) might be stored on expensive and high-quality media such as double-parity RAID5 (redundant arrays of independent disks). Tier 2 data (such as financial, seldom-used, or classified files) might be stored on less expensive media in conventional storage area networks (SANs). As the tier number increased, cheaper media could be used. Thus, tier 3 in a 3-tier system might contain event-driven, rarely used, or unclassified files on recordable compact discs (CD-Rs) or tapes.

Incorrect:

Not B:

Much like vMotion in VMware environments, storage federation goes beyond the capabilities of storage virtualization. Storage federation from HP enables the online non-disruptive movement of storage volumes between arrays in a metro area. Unlike external storage virtualization appliances that add cost, complexity and downtime, storage federation from HP creates a persistent pool of capacity using native communication between system controllers.

Question No : 9

A small-business customer needs to implement a high IOPS storage for an application that uses approximately 7TB of space. Because the customer does not expect a large amount of data growth in the next few years, they need to minimize costs.

Which storage system should the customer implement?

- A. HP 3PAR StoreServ 7200
- B. HP 3PAR StoreServ F200
- C. HP 3PAR StoreServ 7400
- D. HP 3PAR StoreServ 10000

Answer: A

Question No : 10

Which type deduplication method is performed by HP StoreOnce D2D devices?

- A. Hash-based chunking
- B. Metadata compressing
- C. Pre-hash data encryption
- D. Object-level differencing

Answer: A

Reference:http://h41111.www4.hp.com/promo/ESSN-brm-solution/de/de/pdf/HP_StoreOnce_Whitepaper.pdf(page 11, see 'how does hp storeonce work? A deeper dive')

Question No : 11

A customer has several that use the physical storage and needs to design a solution to aggregate the storage into a single logical pool. The customer also needs to reduce complexity without investing in physical hardware.

What should the customer include in the solution?

- A. HP 3PAR StorServ VSA
- B. HP Virtual Connect Enterprise
- C. HP Matrix Storage Provisioning Manager
- D. HP StoreVirtual VSA

Answer: D

Question No : 12

A customer to migrate data from an HP EVA8400 Storage System to two HP 3PAR StoreServ 7400 Storage System. The new storage systems must be configured to support connection redundancy.

How many service Processors the customer deploy to support the solution?

- A. One
- B. Two
- C. Three
- D. Four

Answer: B

Question No : 13

A customer is planning to migrate data from an HP 3PAR F-200 to an HP 3PAR StoreServ 7000 Storage System.

What should the customer use to migrate the data?

- A. Recovery Manager
- B. Online Import
- C. Remote Copy
- D. Peer Motion

Answer: D

Explanation: HP 3PAR Peer Motion Software is the first non-disruptive, do-it-yourself data migration tool for enterprise block storage. With Peer Motion, HP 3PAR Storage System customers can load balance I/O workloads across systems at will, perform technology refresh seamlessly, cost-optimize asset lifecycle management, and lower technology refresh capital expenditure.

Unlike traditional block migration approaches, Peer Motion enables customers to migrate storage volumes between any HP 3PAR Storage Systems online, non-disruptively, and without complex planning or dependency on extra tools. Peer Motion leverages HP 3PAR Thin Built In™ technology to power the simple and rapid inline conversion of inefficient, “fat” volumes on source arrays to more efficient, higher-utilization “thin” volumes on the destination 3PAR Storage System.

Peer Motion Manager is an add-on application that orchestrates all stages of the data migration lifecycle to ensure data migration is simple and fool-proof.

Question No : 14

A customer’s storage environment contains the following systems:

- ✍ HP EVA6400 with 10 TB of storage

 HP EVA4400 with 5 TB of storage

The customer uses fully provisioned volumes on the existing storage systems. They plan to migrate data to an HP 3PAR StoreServ 7000 Storage System.

What ensures that the volumes migrated from the EVA to the StoreServ 7000 are thinly provisioned?

- A. Online Import
- B. Recovery Manager
- C. Remote Copy
- D. Peer Motion

Answer: A

Question No : 15

A small-business customer plans to implement an HP 3PAR StoreServ 7200.

What must the customer consider regarding large, unexpected data growth?

- A. Adaptive Optimization suffers a performance impact with large data.
- B. There are no HBA expansion slots in the HP StoreServ 7200.
- C. Additional controller nodes cannot be added to the HP StoreServ 7200.
- D. The HP StoreServ 7200 configuration must have fewer than four drive chassis.

Answer: C

Question No : 16

As part of an upgrade of their existing infrastructure, a customer is considering replacing their Fibre Channel bus adaptive (HBAs) and Ethernet NICs with converged network adapters (CNAs).

How can they expect to improve efficiency through this upgrade?

- A. 3:1 port consolidation
- B. Path failover redundancy

- C. Greater aggregate throughput
- D. Cable reduction up to 75%

Answer: A

Explanation:

The HP Dual Port Converged Network Adapters (CNAs) are dual port adapters that provide Ethernet, iSCSI, and Fibre Channel (FC) connectivity over 10GbE using both Fibre Channel over Ethernet (FCoE) and Converged Enhanced Ethernet (CEE) standards. By consolidating Ethernet, iSCSI, and Fibre Channel onto a converged network adapter, HP CNAs reduce the number of separate adapters and cables required for your datacenter and also reduce operational, power and cooling costs while preserving existing Ethernet and Fibre Channel infrastructure.

Question No : 17

A customer needs to be able to perform an instant recovery of database data files. The recovery point is one hour to enable them to have a specified point in time to restore the data if the data migration fails.

Which form of data replication enables the customers to achieve goal?

- A. Backup to disk
- B. Asynchronous replication
- C. Snapshots
- D. Volume clones

Answer: C

Explanation: HP Instant Recovery for the Virtual Array is an approach to data protection that utilizes logical, disk-based point-in-time copies (known as snapshots) of production data to enable data recovery in a matter of minutes in the event of unplanned downtime.

Question No : 18

What are the benefits of migrating to an HP 3PAR StoreServ 7000?