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HP Storage Migration

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QUESTION 1

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

must the customer deploy to support the solution?

A. One

B. Two

C. Three

D. Four

Correct Answer: A

QUESTION 2

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 time to restore the data if the data migration fails. Which form of data replication enables the customer to achieve this goal?

A. volume clones

B. backups to disk

C. asynchronous replication

D. snapshots

Correct Answer: B

QUESTION 3

A customer plans to migrate data from a third-party storage system to an HP 3PAR StoreServ 7200 Storage System.

The new storage system must provide up to 128 disk drives.

How many additional drive chassis does the customer need?

A. Three

B. Four

C. Five

D. Six

Correct Answer: B

QUESTION 4

A customer plans to migrate data from an HP EVA4400 to an HP 3PAR StoreServ 7000. The customer has VMware vSphere 5 that uses the HP EVA4400.

How can the customer migrate the VMware storage without disruption?

A. by configuring load-balancing between storage systems

B. by verifying the EVA is running a supported firmware

C. by upgrading the VMware vSphere version

D. by configuring multipathing between storage systems

Correct Answer: D

Reference: HP 3PAR StoreServ Storage and VMware vSphere 5 best practices

QUESTION 5

A customer is preparing to migrate data between their data centers. They need to perform deduplicalion at the data creation point and eliminate the need for specialized deduplication hardware in their data centers. How does HP StoreOnce Catalyst enable the customer to achieve this goal?

A. by performing source-side deduplication

B. by performing switch-side deduplication

C. by performing server-side deduplication

D. by performing target-side deduplication

Correct Answer: A

By enabling source-side deduplication (Dedupe 2.0), HP has the advantage of performing deduplication at the data creation point. Source-side deduplication eliminates the need for specialist deduplication hardware at remote and branch office sites. StoreOnce Catalyst allows customers to align backup with data protection needs, such as minimizing bandwidth utilization when moving data between sites or data centers.

Reference: Dedupe 2.0: What HP Has In Store(Once)

QUESTION 6

A storage administrator needs highly available connectivity from a Microsoft Windows host to an iSCSI storage array. The administrator needs to ensure that the data is still available in the event of a network port failure. What must the administrator enable on the Windows host?

A. MPIO

B. NIC teaming

C. storage cluster services

D. ISCSI initiator failover

Correct Answer: A

QUESTION 7

A company needs to migrate from a third-party storage system to an environment that can grow by scaling out. The solution must also allow use of a server for downloading upgrades.

Which solution meets the company\\'s requirements?

A. HP 3PAR StoreServ 7000

B. HP StoreOnce 6200

C. HP StoreVirtual 4000

D. HP 3PAR StoreServ 10000

Correct Answer: C

QUESTION 8

A storage administrator needs to perform a gradual migration of large backup volumes and jobs to a remote D2D system over time. Because this data is being replicated for the first time, the administrator needs to populate the target device with all the relevant hash codes.

Which method should the administrator use to achieve this goal?

A. using co-location

B. using removable media

C. seeding data over the WAN link

D. setting initializer to migration

Correct Answer: C

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 prior to being able to replicate only unique data between source and target D2D, we must first ensure that each site has the same hash codes or "bulk data" loaded on it ?this can be thought of as the reference data against which future

backups are compared to see if the hash codes exist already on either source or target. The process of getting the same bulk data or reference data loaded on the D2D source and D2D target is known as "seeding".

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 Seeding is generally is a one-time operation which must take place before steady-state, low bandwidth replication can commence. Seeding can take place in a number of ways:

/ Over the WAN link ?although this can take some time for large volumes of data / Using co-location where two devices are physically in the same location and can use a GbE replication link for seeding. After seeding is complete, one unit is

physically shipped to its permanent destination.

/ Using a form of removable media (physical tape or portable USB disks) to "ship data" between sites.

QUESTION 9

A customer with multiple HP 3PAR P10000 Storage Systems needs to move data between the arrays. They need to ensure that the migration will not disrupt their applications, users, or services. Which storage method should the customer use to achieve this goal?

A. point-in-time copies

B. backups to disk

C. storage federation

D. deduplication

Correct Answer: C

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 10

A customer has several servers that use local 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 Matrix Storage Provisioning Manager

B. HP 3PAR StoreServ VSA

C. HP Virtual Connect Enterprise Manager

D. HP StoreVirtual VSA

Correct Answer: D

Combine the power of HP StoreVirtual VSA with Microsoft or VMware virtualization and get much more out of your virtualized environment. Turn a set of heterogeneous and disconnected physical disk drives in your servers and storage devices into a single pool of logical storage capacity.

Incorrect:

Not C: HP Virtual Connect Enterprise Manager (VCEM) centralizes connection management and workload mobility for HP BladeSystem servers that use Virtual Connect to access LANs, SANs and converged network infrastructures. VCEM

helps organizations increase productivity, respond faster to workload and configuration changes, and reduce operating costs.

QUESTION 11

A company needs a storage solution that provides four host bus adapter (HBA) slots and 64 GB of cache. Which HP storage solution meets these requirements?

A. HP 3PAR StoreServ 7400

B. HP StoreOnce 6200

C. HP 3PAR StoreServ 7200

D. HP StoreVirtual 4000

Correct Answer: A

HP 3PAR StoreServ 7400 4-node base with two 2U enclosures, four controller nodes, 64 GB cache, eight 8Gb/sec FC ports, four adapter slots, and 48 SFF drive bays.

Incorrect:

Not C: 3PAR StoreServ 7200 only has 32 GB cache.

QUESTION 12

A customer has and HP 3PAR StoreServ 7000 that uses HP 3PAR System Reporter and Adaptive Optimization with HP 3PAR OS 3.1.1. The customer is planning an upgrade to HP 3PAR OS 3.1.2. What benefit will the customer receive after upgrading?

A. Databases are compacted each day.

B. System Reporter increases read performance

C. Data samples are retrieved every hour

D. Adaptive Optimization operations can be scheduled.

Correct Answer: D

What\\'s New in the OS HP 3PAR OS 3.1.2 enables customers to increase multi-tenant consolidation on shared infrastructure and increase agility and efficiency with several new features and enhancements. HP 3PAR OS 3.1.2 supports the new HP 3PAR StoreServ 7000 Storage. HP 3PAR OS 3.1.2 features include the following benefits:

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 Enhanced multi-tenancy and several scalability and resiliency features

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 (D) Autonomic management for agility and ease of use with enhancements to Autonomic System Rebalance, Adaptive Optimization and other enhanced capabilities

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Thin Technologies for efficiency and capacity reduction with tighter integration with Windows Server 2012.

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Federated Technologies for providing online data migration with Online Import between EVA Storage and 3PAR storage. Reference; HP 3PAR Operating System 3.1.2 GA/MU1/MU2, Release Notes

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QUESTION 13

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

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

A. Additional controller nodes cannot be added to the HP StoreServ 7200.

B. There are no HBA expansion slots in the HP StoreServ 7200.

C. Adaptive Optimization suffers a performance impact with large data.

D. The HP StoreServ 7200 configuration must have fewer than four drive chassis.

Correct Answer: A

QUESTION 14

A customer provides their requirements for a storage solution.

A consultant, using his experience and product knowledge, has designed a solution.

He needs to verify that the storage design and licensing rules have been adhered to, and that the solution can be supported by HP. Which resource can provide this information?

A. HP StorageWorks Sizing Tool

B. HP ActiveAnswers

C. HP Storage Solutions Design Guide

D. HP SAN Design Validator

Correct Answer: A

It is recommended that the HP StorageWorks Sizing Tool (http://www.hp.com/go/storageworks/sizer) is used to identify the product and WAN link requirements because the required bandwidth is complex.

QUESTION 15

A customer plans to migrate data from a third-party storage system to an HP 3PAR solution. The customer has leased data center space. Which HP 3PAR Storage solution must be integrated into an HP 3PAR rack?

A. HP 3PAR StoreServ 10800

B. HP 3PAR StoreServ 10400

C. HP 3PAR StoreServ F200

D. HP 3PAR StoreServ 7400

Correct Answer: A

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