



HP0-J64^{Q&As}

Designing HP Enterprise Storage Solutions

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**QUESTION 1**

The IT manager of a company wants their NAS storage system that uses deduplication to be more efficient. Which NAS system meets this requirement?

- A. HP StoreOnce with catalyst
- B. HP 3PAR StoreServ with Thin Provisioning
- C. HP MSA 2040 with snapshot technology
- D. HP StoreEasy with Windows Storage Server

Correct Answer: D

HP X3000 G2 Storage boosts the value of your array or SAN by adding Windows Storage Server-powered, IP-based gateway services to it.

QUESTION 2

A current customer has an older HP 3PAR StoreServ F400 running InForm OS 2.3.1 in a pre- production data center and is facing a new schedule for scaling out the application into production. The scale out will require twice the capacity and three times the performance to handle the initial workload. You design a new high performance HP 3PAR StoreServ 7400 with 64 SSDs to meet the demand of the new application. The customer has already tested new application servers attached to the F400. Due to competitive issues, the customer needs to move into production quickly and with minimal disruption. Which solutions should you include to help ensure customer success? (Select two.)

- A. HP MPX200 Appliance to facilitate automatic storage migration from the older 3PAR array with minimal disruption
- B. HP 3PAR StoreServ Thin Conversion to reduce the storage requirement on the new array.
- C. HP 3PAR StoreServ Peer Motion to allow for non-disruptive storage movement to the new array
- D. HP 3PAR StoreServ Temporary Remote Copy License for data migration to the new array as easily as possible
- E. HP 3PAR StoreServ Data Migration services to assist with populating the new array with production data

Correct Answer: BC

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.

<http://www8.hp.com/us/en/products/storage-software/product-detail.html?oid=5157539#! tab=features> Data migration simplified (not apply). Question: the customer needs to move into production quickly and with minimal disruption.

Available in convenient packaged offerings, the HP 3PAR StoreServ Data Migration Service provides a flexible means of migrating your organization's critical data safely with minimal impact to your operation.

HP 3PAR Operating System Software Suite



Increase your storage management efficiency, capacity utilization and performance with this foundational software that offers autonomic provisioning and change management along with built-in HP 3PAR thin technology. Cut capacity requirements in half and stay efficient over time.

Optional software suites:

3PAR Replication Software Suite

3PAR Data Optimization Software Suite

3PAR Security Software Suite

3PAR Reporting Software Suite

http://www8.hp.com/pt/pt/products/data-storage/data-storage-products.html?compURI=1225854#.Up_Tb9JdWE4

QUESTION 3

What was introduced to reduce TCO of an HP 3PAR StoreServ storage solution?

- A. Target-only licensing of replication software
- B. Caps on per-drive licenses
- C. Hardware bundles
- D. Capacity on demand

Correct Answer: D

QUESTION 4

Your city government customer has been using HP Eva 6400s for the last three years. While the arrays have performed fairly well and the city particularly likes the ease of management, they have found several situations where the arrays were lacking in functionality. To support multiple organizations within the city government, they have had to utilize multiple arrays to ensure separation of management and data access. The city also had some issues handling their utility billing and VMware environments in a single array and added a separate array to ensure adequate performance.

Which HP Storage solution should you recommend to meet the requirements of city?

- A. HP StoreVrtual
- B. HP StoreAll
- C. HP P9500
- D. HP 3PAR StoreServ

Correct Answer: D

StoreServ and HP 3PAR can start small and grow affordably and non-disruptively with multi-tenant and federated, efficient reduce acquisition and operational costs by 50% and autonomic save up to 90% of administrator time. Help for



novice storage users in a Windows, VMware or Linux environments for self- installation.

QUESTION 5

An insurance customer is planning to purchase an HP StoreVirtual SAN to support their large document management repository. They want to utilize Network RAID 6 to protect against multiple failures. What is the minimum number of nodes that must be included in the proposal to support this requirement?

- A. 3
- B. 4
- C. 5
- D. 6

Correct Answer: C

Network Raid-5 Minimum Systems is 3 " Min number of nodes for NRAID6 is 5."
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Sample Configuration:

Example 1: How much space will be available for NR volumes?

Basic Set-up: A Multi-Site SAN, with 4 HP P4500 nodes with 600GB disks. P4500 have 2 logical arrays of 6 disks. This means that 2 disks are configuration.

Raw Capacity : $4 \times 12 \times 600\text{GB} = 28.8\text{TB}$

Hardware RAID5 [TS]: $24.0\text{TB} = 4 \times (12 - (1 \times 2)) \times 600\text{GB} = [NN \times (N - (1 \times NL)) \times Ds]$

Total space available for NR# volumes:

[formatted]

+ NRAID0 : 24.0TB

+ NRAID10: (24.0/2) [12.0TB or 12 1 TB volumes at nr10]

+ NRAID10+1: (24.0/3) [8.0TB or 8 1 TB volumes at nr10+1]

+ NRAID10+2: (24.0/4) [6.0TB or 6 1 TB volumes at nr10+2]

+ NRAID5: (24.0 - (24.0 * (1/4))) [18.0TB or 18 1 TB volumes at nr5]

+ NRAID6: Min number of nodes for NRAID6 is 5.

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