HP0-J64^{Q&As}

Designing HP Enterprise Storage Solutions

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QUESTION 1

A solution architect from an HP authorized reseller calls you with a need to configure HP BladeSystem and an HP StoreServ 7400 Storage System. He needs a bill of materials and a budgetary quote (List Price) for his colleague. Which tool do you recommend he use?

A. HP Storage Sizing Tool

B. HP Single Point of Connectivity (SPOCK)

C. HP Salesbuilder for Windows

D. HP Storage Product Selector

Correct Answer: C

http://www.tools.hp.com http://sbw.cup.hp.com

Features SBQWB - Configuration and quotation module Knowledge Base Files - Configuration database rules Price book files - The HP list price and contractual files Discount files - Channel partner-specific discount information SalesBuilder for Windows has two main components: the Configurator and the Quoter.
http://www.certificationexplorer.com/Documents/HP0-J64.pdf

QUESTION 2

How does the HP StoreVirtual DSM for Windows compare to the native MPIO provided by the operating system?

A. It opens iSCSI connections to all StoreVirtual nodes

B. It modified the iSCSI routing policies

C. It creates iSCSI bond groups

D. It changes iSCSI transfer block size

Correct Answer: A

The HP StoreVirtual DSM for Microsoft MPIO provides enhanced MPIO functionality as follows:

Automatic creation of an I/O path to each storage system in the cluster on which the volume resides, plus a path for the administrative connection.

http://h10032.www1.hp.com/ctg/Manual/c03687491.pdf

1 Using MPIO

Description of the HP StoreVirtual DSM for Microsoft MPIO

The HP StoreVirtual DSM for Microsoft MPIO provides enhanced MPIO functionality as follows:

- Automatic creation of an I/O path to each storage system in the cluster on which the volume resides, plus a path for the administrative connection.

- Improved performance architecture over native MPIO solutions:

  - Read I/Os are always serviced by a storage system that holds a copy of the data being requested.

  - Write I/Os are always serviced by a storage system that receives a copy of the data. Remaining copies (replicas) of the data are forwarded to the appropriate storage system based on the data protection level of the volume.

- The ability to build a robust, fault-tolerant solution because an I/O path is built to every storage system in the cluster. For example, in a cluster with five storage systems, DSM for MPIO-connected volumes have six iSCSI MPIO connections to the SAN, one for each storage system and one for the administrative connection. Five of the six connections could go offline, and I/O would still be serviced.

The DSM for MPIO supports connecting multiple NICs in the application server to the SAN. Configuring with multiple NICs improves fault-tolerant physical network connections in the server.

The DSM for MPIO can be used in a Multi-Site SAN with one or more subnets. In this configuration, the DSM for MPIO will only build I/O paths to the storage systems that are in the same subnet as the application server. Alternatively, you can assign an application server to a site. Application servers assigned to a site connect only to storage systems in the same site. Both of these configurations permit higher performance and lower network utilization by reducing the amount of I/Os that traverse the WAN link.

NOTE: Refer to the instructions specific to Multi-Site SAN configurations in the rest of this chapter. You can also refer to the *HP StoreVirtual Storage Multi-Site Configuration Guide*, available on the HP StoreVirtual Management Software DVD or on the HP StoreVirtual 4000 Storage Manuals page of the HP Business Support Center website. http://www.hp.com/support/StoreVirtualManuals

QUESTION 3

Which HP Storage solution aligns with the HP federated storage approach?

A. HP StoreSure

B. Hp StoreAll

C. HP StoreEasy

D. HP StoreVirtual

Correct Answer: D

HP StoreAll http://www8.hp.com/pt/pt/products/data-storage/data-storage-products.html? compURI=1225919#.UpvSw9K8D6A

HP StoreEasy http://www8.hp.com/pt/pt/products/data-storage/data-storage-products.html? compURI=1226325#.UpvS8dK8D6A HP StoreVirtual http://www8.hp.com/pt/pt/products/data-storage/data-storage-products.html? compURI=1279309#.UpvTINK8D6A

http://www8.hp.com/pt/pt/products/data-storage/data-storage-products.html? compURI=1225885#.UpvTNNK8D6A

HP StoreSure http://www8.hp.com/pt/pt/products/data-storage/data-storage-products.html? compURI=1401941#.UpvTtdK8D6A

HP federated storage approach http://www8.hp.com/us/en/products/data-storage/data-storage-technology.html? compURI=1225859#.UpvUOdK8D6A

Products:

- HP 3PAR StoreServ Storage
- HP StoreVirtual Storage
- HP StoreOnce Backup with StoreOnce Catalyst

QUESTION 4

You are working with a city government on a storage refresh. They are interested in consolidating divisions that have previously had separate arrays and management. The political environment will now allow for combined budgets, but managing the storage still needs to be kept separate for varied security reasons. Budgets are very constrained, so cost will be an issue. Which storage array should you recommend to meet their needs?

A. HP StoreVirtual 4330 FC Storage

B. HP StoreVirtual 4130 Storage

C. HP 3PAR StoreServ 7200 Storage

D. HP 3PAR StoreServ 10400 Storage

Correct Answer: C

http://www.certificationexplorer.com/Documents/HP0-J64.pdf

QUESTION 5

Which device type for server-side deduplication does HP Data Protector use?

A. OST

B. Implicit

C. Catalyst

D. Explicit gateway

Correct Answer: D