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Guarantee

Vendor:HP

Exam Code:HP0-J64

Exam Name:Designing HP Enterprise Storage
Solutions

Version:Demo

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

A customer is concerned about backup data growth and maintaining or improvising restore service levels. The current environment consists of an HP StoreVirtual P4500 SAN solution, HP Data Protector, and an HP MSL4048 Tape Library with LTO-3 drives connected via SAS to the backup server.

You have been asked to design an upgrade to the current environment that will provide increased backup storage and improve backup retention and restore times. What should be proposed?

- A. Configure client-side deduplication in the backup software.
- B. Implement HP StoreEasy with block-level deduplication.
- C. Upgrade the MSL Tape Library to LTO-5 tape drives.
- D. Implement an HP StoreOnce Backup System.

Correct Answer: C

The HP StoreEver MSL Tape Libraries meet demanding storage requirement of businesses needing unattended backup, disaster recovery, or archive capability. The MSL Libraries offer a broad choice of storage capacity and interfaces with LTO-6, LTO-5, LTO-4, or LTO-3 Ultrium tape drives.

Attribute	Generation				
	LTO-1	LTO-2	LTO-3	LTO-4	LTO-5
Release date	2000	2003	2005	2007	2010
Native data capacity	100 GB	200 GB	400 GB	800 GB	1.5 TB ^[7]
Max uncompressed speed (MB/s) ^{[9][Note 1]}	20	40	80	120	140
Compression capable?	ALDC "2:1"				
WORM capable?	No		Yes		
Encryption capable?	No			Yes	
Partition capable?	No (1 allowed)			Yes (2 allowed)	
Tape thickness	8.9 µm		8 µm	6.6 µm	6.4 µm
Tape length	609 m		680 m	820 m	846
Tape tracks	384	512	704	896	1280
Write elements	8		16 ^{[7][13]}		
Wraps per band	12	15	11	14	20 ^[7]
Linear density (bits/mm)	4880	7338	9638	13,250	15,142 ^[14]
Encoding	RLL 1,7	RLL 0,13/11; PRML		RLL 32/33; PRML	
Cartridge memory	4 KiB			8 KiB	

http://en.wikipedia.org/wiki/Linear_Tape-Open

QUESTION 3

Which product supports the implementation of a new storage solution using Adaptive Optimization?

- A. HP StoreVirtual 4330
- B. HP StoreVirtual 4730
- C. HP StoreVirtual VSA
- D. HP StoreVirtual 4530

Correct Answer: A

QUESTION 4

An advantage of using HP StoreOnce Catalyst with the HP StoreOnce B6200 Backup System is a reduction in bandwidth between which two components?

- A. the HP StoreOnce B6200 Backup System and the tape library

- B. the media server and the client
- C. the HP StoreOnce B6200 Backup System and the client
- D. the media server and the HP StoreOnce B6200 Backup System

Correct Answer: D

<http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=4AA4-4480ENWandcc=usandlc=en> http://www.conres.com/stuff/contentmgr/files/0/a1d681554de12de089adc5229589f778/download/hp_storeonce_catalyst_best_practice_release1.pdf

QUESTION 5

Which 3PAR array allows partial licensing for Peer Persistence?

- A. HP 3PAR F-Class Storage System
- B. HP 3PAR StoreServ 7000 Storage
- C. HP 3PAR T-Class Storage System
- D. HP 3PAR StoreServ 10000 Storage

Correct Answer: B

QUESTION 6

Scenario Following the merger of two financial companies, management is considering combining the two distinct customer call centers into a single physical location. In addition to the overall call center headcount increasing by 30%, the support for two distinct customer bases presents the potential of having two different desktop PCs on the desk of each call center employee. Instead of correspondingly increasing IT support headcount to manage the single, larger call center and call center infrastructure, management believes they can reduce the required time to support call center operations by 40% if they employ virtual desktop technology.

An initial assessment has identified the need for a centralized storage solution that could support 500 virtual desktops running a variety of applications that can scale quickly to accommodate an expected increase in call center staff. The customer is already an HP Blade System customer using HP Virtual Connect Flex-10.

Some of the additional business criteria identified in customer planning interviews includes:

Use client virtualization for the desktops.

Achieve the highest possible density and performance for the virtual desktops, but keep the virtual desktop storage traffic off the network due to a current, existing limitation of only 1GbE.

Do not use standalone, network-attached storage.

Limit the impact of additional rack space.

Minimize the risk of additional help-desk tickets.

Present multiple solutions, prioritized with a recommendation.

Refer to the scenario.

Select the HP MSA configuration with SAS + SSD drives that will satisfy the customer requirements.

- A. HP MSA 1040, with converged controller and FC sfp
- B. HP MSA 1040, with GbE Ports
- C. HP MSA2040, with converged controller and Ethernet sfp
- D. HP MSA2040, with SAS controller

Correct Answer: D

QUESTION 7

Which tool allows the provision of storage volumes directly from within the VMware vCenter Management Console?

- A. HP Insight Foundation suite for ProLiant
- B. HP Insight Control Storage Module for VMware vCenter
- C. HP Insight Cluster Management Utility
- D. HP Insight Control Server module for VMware vCenter

Correct Answer: B

Reference: <https://solutionexchange.vmware.com/store/products/hp-insight-control-storage-module-for-vcenter>

QUESTION 8

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 9

You are responding to a request for proposal (RFP) for a new HP 3PAR StoreServ array. The company decision-maker has asked you to justify the cost of the array. Which benefits of the Alinean ROI Analyst should be included in the business case to justify the cost of the array? (Select three.)

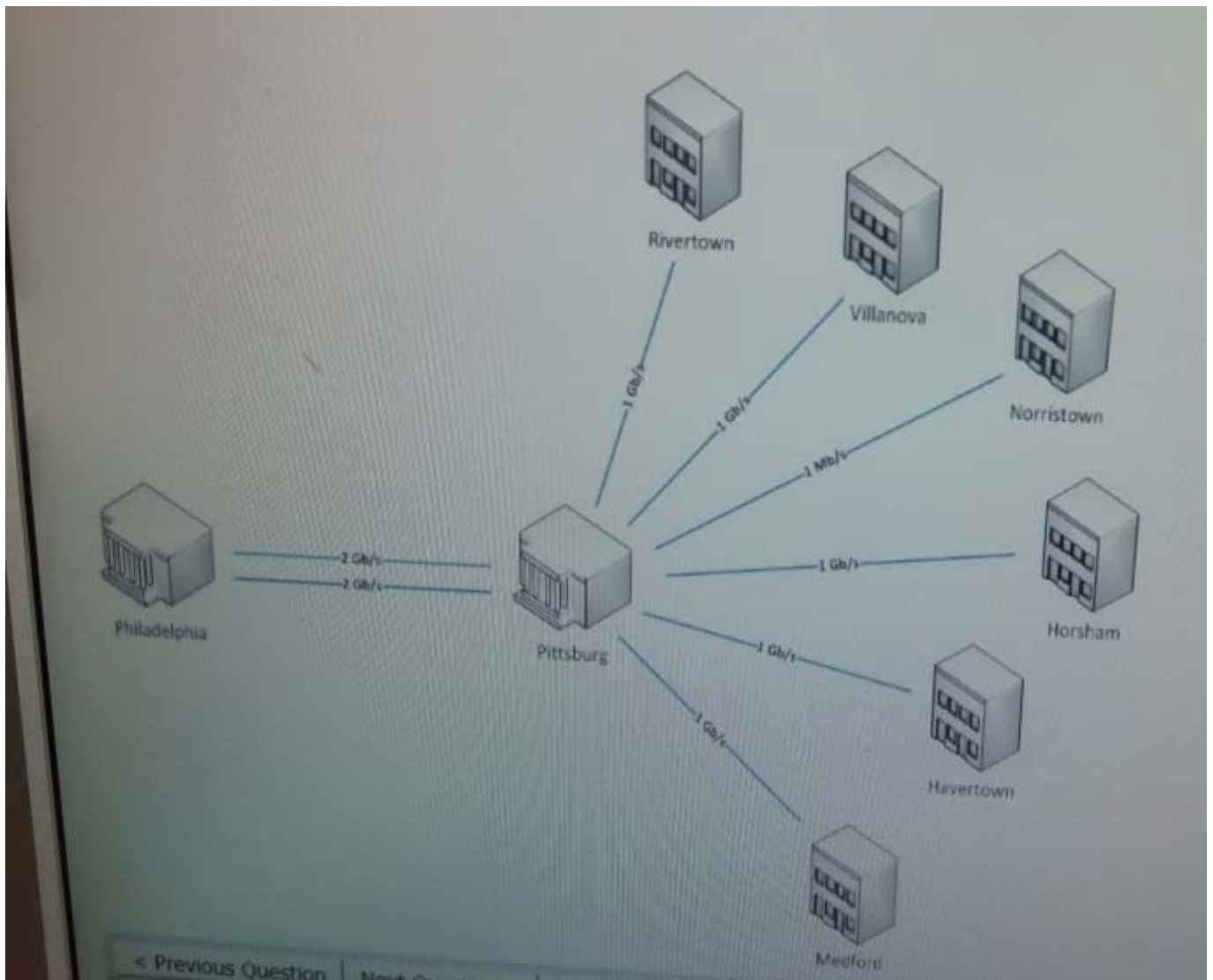
- A. regulatory documentation
- B. payback period
- C. competitive data
- D. internal rate of return (IRR)
- E. value proposition
- F. architecture of the array

Correct Answer: BDE

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

QUESTION 10

Refer to the Exhibit: The customer wants to implement an HP StoreOnce solution for the environment shown. You have been given the following information:



-Each branch office has approximately 100 GB of data.

-Philadelphia has approximately 2 TB data.

-Pittsburg has approximately 1 TB data.

-All backup data will be replicated back to the data center in Pittsburg.

-Costs should be kept to a minimum but allow for the possibility of adding three more sites.

When designing the solution, which factor needs to be considered?

A. The maximum replication targets is below 12.

B. The number of source backup streams is below 32.

C. The minimum bandwidth for replication of an HP StoreOnce system is 2 Mbps.

D. The maximum data store size is below 2 TB

Correct Answer: C

NOTE: A minimum WAN bandwidth of 2Mbit/s is required for each replication job to ensure that it completes successfully.

http://h41111.www4.hp.com/promo/ESSN-brmsolution/de/de/pdf/HP_StoreOnce_Anwenderhandbuch.pdf The maximum replication target is below 12 (false)

The number of source backup streams is below 32 (false)

Table 4 Maximum number of files G2 products

	HP D2D2502	HP D2D2504	HP D2D4106/4112	HP D2D4312	HP D2D4324
Max files per share	25000	25000	25000	25000	25000
Max Total Open files per appliance	96	112	128	640	640
Max Open files >24 MB per appliance	32	48	64	128	128

Table 5 Maximum number of files G1 products

	HP D2D2502	HP D2D2503	HP D2D2504	HP D2D4004/9	HP D2D4112
Max files per share	25000	25000	25000	25000	25000
Max Total Open files per appliance	96	40	112	40	112
Max Open files >24 MB per appliance	32	16	48	24	48

The maximum data store size is below 2 TB (false)

Table 6 Data deduplication savings, example 1

	Data stored normally	Data stored with deduplication
1st daily full backup	500 GB	500 GB
1st daily incremental backup	50 GB	5 GB
2nd daily incremental backup	50 GB	5 GB
3rd daily incremental backup	50 GB	5 GB
4th daily incremental backup	50 GB	5 GB
5th daily incremental backup	50 GB	5 GB
2nd weekly full backup	500 GB	25 GB
3rd weekly full backup	500 GB	25 GB
25th weekly full backup	500 GB	25 GB
TOTAL	12,750 GB	1,125 GB

QUESTION 11

An IT Operations Director of a large investment bank requests a meeting with the HP Account Manager and the Solution Architect. During the meeting, the IT Operations Director reports that there will be a 10% reduction in the investment bank's operations staff, which currently provides help-desk services and first level technical support for 400 U.S. customer banks.

HP Professional Services provides support for the investment bank's New York and San Francisco data centers, which have HP 3PAR StoreServ 10000 Storage Systems attached to HPUX-based HP Integrity Superdomes. The investment bank's 400 customer bank use HP EVA P6400 storage attached to an HP BladeSystems with Virtual Connect FlexFabric. Now, the investment bank needs to add proactive monitoring and analysis. What should the HP Account Manager and Solution Architect do to help the IT Operations Director address these challenges? (Select two.)

- A. Discuss the business benefits of the existing HP EVA 6400 install base using HP Insight Remote Support Advanced.
- B. Demonstrate the value of HP's Mission Critical Advantage Services.
- C. Prepare HP Consulting Services to evaluate the investment bank data center SAN monitoring and firmware management environment.
- D. Modify the management framework of the investment bank data center infrastructure with HP Systems Insight Manager and HP Insight Remote Support Standard.
- E. Recommend the placement of the HP EVA 6400 with the HP 3PAR StoreServ 12000 Storage System.

Correct Answer: AD

Needs to add proactive monitoring and analysis HP Insight Remote Support Advanced is ideal for midsize to large environments. It is recommended if you are already using HP Systems Insight Manager (SIM) for Microsoft Windows, have a larger enterprise environment, or need Mission Critical Services delivery.

HP Insight Remote Support is ideal for environments with up to 2,500 devices and for customers who do not require a management platform integration or HP Mission Critical Services delivery. With Insight Remote Support, customers can take advantage of HP Insight Online to share device information with their HP authorized partners.

QUESTION 12

A company hosts several Microsoft SQL server instances and virtual machines for their internal sales departments on HP EVA6400 storage systems running View 10.0 and XCS 9.53400. The acts globally and runs a 24x7 business with limited IT staff. The customer requires a solution design focused on a short ROI and an optimal total cost of ownership (TCO) for 5 years. The new storage solution should support the customer's flexible business demands.

What has to be considered when planning the data online migration from the EVA systems within the first 5 months after implementing an HP 3PAR StoreServ system?

- A. Exclusive data access for the HP 3PAR system is required during the migration period
- B. Command View has to be upgraded
- C. HP Service has to be involved
- D. Peer Motion has to be purchased

Correct Answer: D

HP 3PAR Peer Motion Software enables Storage Federation and is the first non-disruptive, do-it-yourself data migration and load balancing tool for enterprise storage. With Peer Motion, HP 3PAR StoreServ 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