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QUESTION 1

The customer wants to implement an HP StoreOnce soltuion for the environment show. You have been given the following information:
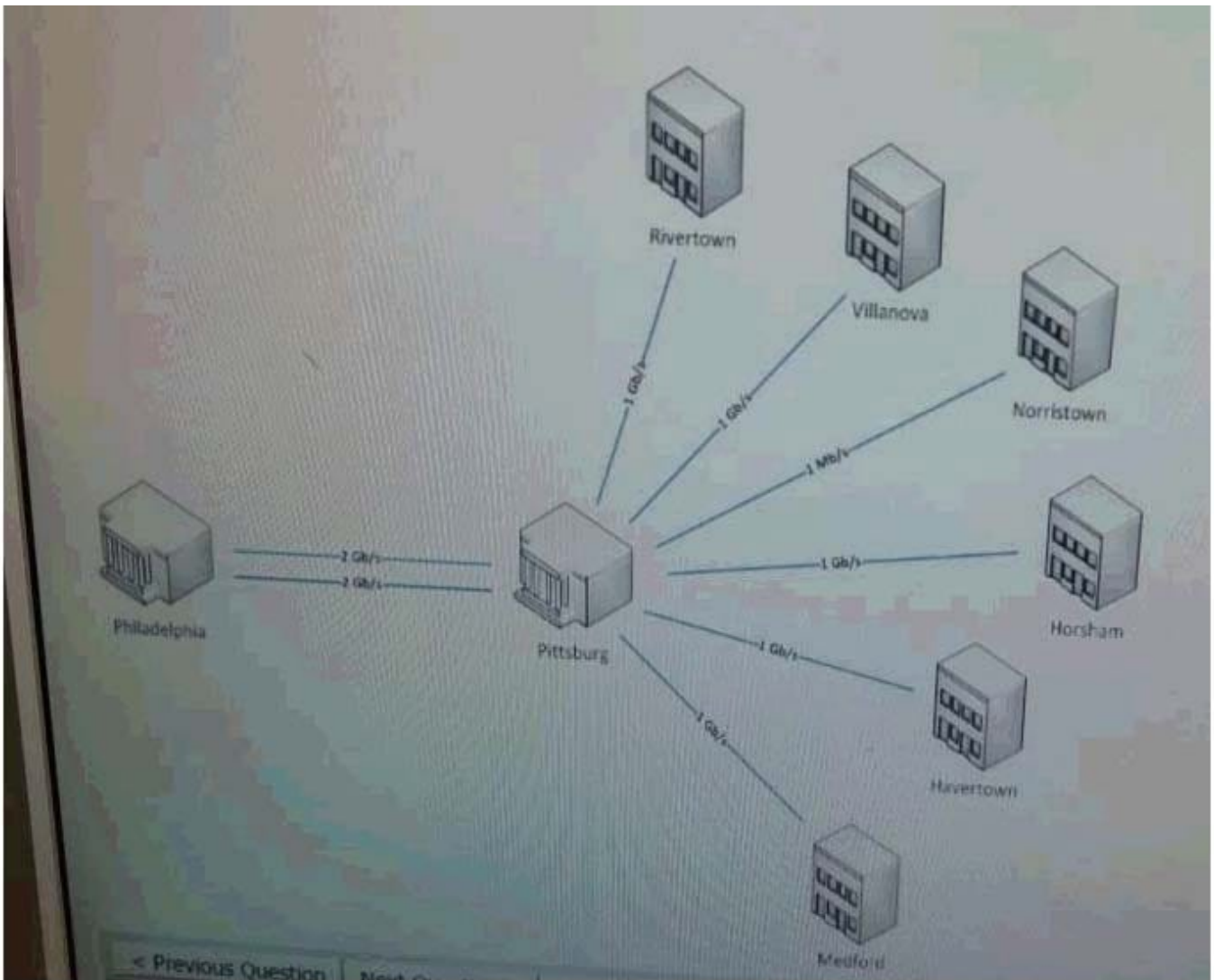
Each branch office has approximately 100 GB of data.

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. Which HP StoreOnce solution should you propose for pittsburg?

A. HP StoreOnce B6200 Backup

B. HP StoreOnce 4220 Backup

C. HP StoreOnce 4420 Backup

D. HP Storeonce 2620 Backup

Correct Answer: B

Replication Licensing:

HP delivers replication by license, either as a standalone replication solution, or as part of the HP StoreOnce Catalyst licensing (see the following section below). With HP StoreOnce Backup, replication is licensed by VTL/NAS target, this

means that with one replication license:

1 source appliance can replicate to a single HP StoreOnce VSA* 8 source appliances can replicate to a single HP StoreOnce 2620 24 source appliances can replicate to a single HP StoreOnce 4210 or 4220 50 source appliances can

replicate to a single HP StoreOnce 4420 or 4430 96 source appliances can replicate to a single HP StoreOnce B6200 48 TB target http://h18004.www1.hp.com/products/ quickspecs/14450_div/14450_div.pdf

In this time you have 8 source appliances can replication and future you need adding three more sites. (8 + 3= 11 minimum source)

QUESTION 2

A trading company has a complex infrastructure with 12 data centers. The chief information officer (CIO) is looking for ways to maximize a reduction of OPEX and CAPEX. Which key initiative would help the CIO to achieve goal?

A. Tiered storage

B. Scale-out storage

C. Software defined networking

D. Consolidation

Correct Answer: D

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

Which HP 3PAR StoreServ key architectural benefit should be emphasized when presenting an HP StoreServ technical overview to a customer facing critical staff reductions in a multi-tier storage array environment with departmental array isolation requirements?

A. identical operation system features and management tools from entry-level to enterprise-class array

B. automated volume identification and export ID selection for Both UX and Windows 2008 hosts

C. automated RAID level reconfiguration based on actively monitored pre-configured performance thresholds

D. real time automated thin storage pool configuration guidance and configuration based on a selectable set of storage tiers

Correct Answer: D

http://cloud-land.com/blog/category/storage/

http://h20195.www2.hp.com/v2/GetPDF.aspx%2F4AA3-8316ENW.pdf HP 3PAR StoreServ offers efficient, autonomic, and multi-tenant features to positively impact your critical business issues. It has set the gold standard for thin provisioning

and is the leading storage vendor offering a multidimensional approach to thin storage.

QUESTION 5

Which functionality has been added to HP Support Center?

A. Automatic of Care Packs

B. Preparation management of training packs

C. HP Insight Online

D. 24/7 proactive firmware updates

Correct Answer: A

Choose peace of mind with HP Care Pack Services

Add to the quality, protection, and duration or speed of service currently available on your product. With HP Care Pack Services, you can have access to a team of HP experts whenever you need them, plus a range of support services tailored to meet your needs. Never be surprised by unexpected costs for protection, repair and support again. With HP, you are placing your trust in a brand that delivers globally and protects your technology investment, so you can focus on the things you care about.

QUESTION 6

During a recent customer presentation, a question was raised regarding the HP StoreVirtual cluster running out of storage space. In reviewing the customer needs. The recommendation was to add a new HP StoreVirtual cluster. How can the customer move data from the existing HP P4000 cluster to the new HP StoreVirtual cluster?

A. HP Virtual Management

B. HP Peer Motion

C. HP Storage Essentials

D. HP Infrastructure Management

Correct Answer: B

http://h30507.www3.hp.com/t5/Around-the-Storage-Block-Blog/HP-LeftHand-P4000-Peer- Motion-demo/
bap/108913#.Up6F29JdWE4

QUESTION 7

Which backup platforms are supported with HP StoreOnce Catalyst via an OpenStorage Technology (OST)
integration?

A. CommVault Galaxy

B. CA ARCserv

C. Symantec Backup Exec 2013

D. IBM TSM

Correct Answer: C

http://h20628.www2.hp.com/km-ext/kmcsdirect/emr_na-c03478346-1.pdf http://h20195.www2.hp.com/v2/
GetPDF.aspx%2F4AA4-4500ENW.pdf

Backup Exec OST OST is a Symantec backup interface that allows intelligent storage devices, like the HP StoreOnce
Backup system, to work with Symantec\\'s Backup Exec software. OST provides Backup Exec administrators with
advanced capabilities, such as optimized duplication and DR copy creation.

QUESTION 8

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 9

A customer wants to replicate the same data on their HP 3PAR StoreServ storage arrays to two separate campus locations. Which Remote Copy topology would allow the customer to achieve this activity?

A. 2:1 Asynchronous Remote Copy

B. Synchronous Continuous Access

C. Synchronous Long Distance

D. Asynchronous Long Distance

Correct Answer: C

HP 3PAR Remote Copy.pdf, page 10 - Synchronous long-distance topology

QUESTION 10

A customer wants to integrate a data deduplication solution into an online storage environment.

Which HP solution should be integrated into the design to meet the customer requirements?

A. HP MSA Storage

B. HP StoreVirtual

C. HP 3PAR StoreServ

D. HP StoreEasy

Correct Answer: D

QUESTION 11

Which feature permits the storage capacity usage of the HP 3PAR StoreServ in a new NAS solution?

A. HP 3PAR StoreServ Virtual Domains

B. HP 3PAR StoreServ File Controller v2

C. HP 3PAR StoreServ Adaptive Optimization

D. HP 3PAR StoreServ Remote Copy

Correct Answer: B

QUESTION 12

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 13

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 14

A Customer plans to centralize and virtualize their user desktop using VMware View Solution for 300 users.

Their primary focus for this project is efficient backups. The customer design includes HP Ploliant BL460c Gen8 servers and an HP StoreVirtual solution. The customer needs an environment that uses a single management console for all

backup and replication activities and the ability to implement federated deduplication.

In you design, you want to add an HP StoreOnce B6200 Backup solution. Which HP StoreOnce emulation support the customer need?

A. VTL

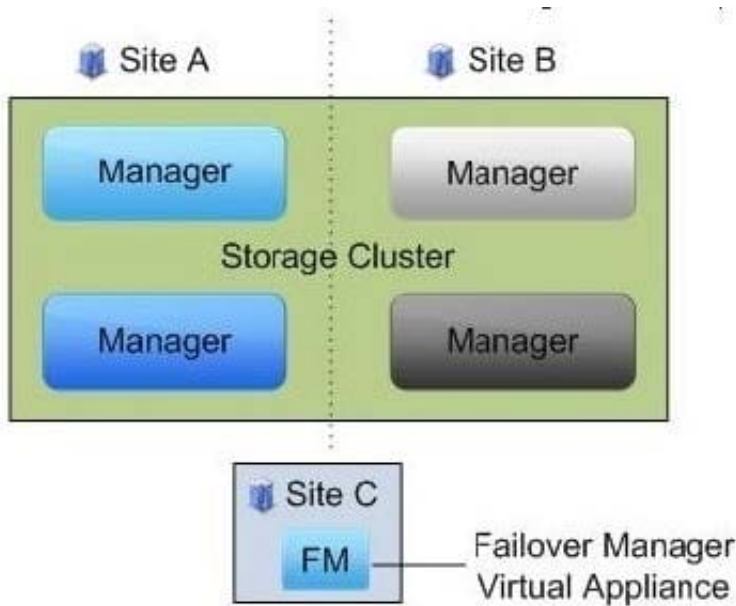B. StoreOnce Catalyst

C. Enterprise Tape Library

D. NAS Share

Correct Answer: B

http://frankdenneman.nl/2009/10/11/lefthand-san-lessons-learned/

Failover manager

A failover manager is a special edition of a manager. Instead of running on a storage node, the failover manager runs as a virtual appliance. A failover manager only function is maintaining quorum. When designing a SAN spanning two sites,

running a failover manager is recommended, The optimum placement of the failover manager is a third site. Place an even amount of managers in both sites and run the failover manager at an independent site.

"single management console for all backup and replication and the ability to implement federated deduplication", requires StoreOnce Catalyst. http://bizsupport2.austin.hp.com/bc/docs/support/ SupportManual/c01727773/c01727773.pdf

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QUESTION 15

Which HP 3PAR InForm Operating System feature allows you to create point-in-time clones with independent service-level parameters?

A. Virtual Copy

B. Smart Copy

C. Remote Copy

D. Full Copy

Correct Answer: D

http://www8.hp.com/us/en/products/storage-software/product-detail.html?oid=5044394#! tab=features Data Protection and Copy Space Reclamation Features Improve Capacity Utilization HP 3PAR RAID MP (Multi-Parity) uses Fast RAID 6 and the accelerated performance of the HP 3PAR ASIC to prevent data loss as a result of double disk failures. Performance levels are maintained within 15% of RAID 10 and with capacity overheads comparable to popular RAID 5 modes. HP 3PAR Full Copy is an HP 3PAR Operating System Software feature that allows you to create thinaware, point-in-time clones with independent service level parameters which can be rapidly resynchronized with base volumes as needed. The HP 3PAR Thin Copy Reclamation feature keeps your storage lean and efficient by reclaiming unused space resulting from the deletion of virtual copy snapshots associated with virtual copy and remote copy volumes.

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