Vendor: HP

Exam Code: HP0-J61

Exam Name: Delta - Designing HP SMB Storage Solutions

Version: DEMO

QUESTION 1
In which HP rack is the factory Integration of an HP StoreServ 7000 supported?

A. HP 5642 rack
B. HP G3 rack
C. HP 10000 rack
D. HPV142 rack

Answer: C
Explanation:
Choose Racking Options
The HP 3PAR StoreServ 7000 is compatible with most industry standard 4-post EIA 19 inch racks
with square mounting holes, including the HP Intelligent Series Rack and the HP 10000 G2
Series Rack. The HP 3PAR StoreServ 7000 can be factory configured and shipped in a rack or
shipped without a rack for field integration into an existing rack. The rack used for factory
integration is the HP Intelligent Series Rack.

QUESTION 2
You are meeting with a customer that has a small business with an unpredictable workload in a
virtualized environment. Which product family from the HP array portfolio do you lead your
discussion with?

A. P2000
B. P4000
C. X3000
D. P6000

Answer: A
Explanation:
* HP P2000 G3 SAS MSA
Affordable, direct attach, externalshared storage solution that provides a more efficient balance of
scalability, reliability, and cost efficiency for small to midsize environments. Designed to be
easytodeploy, and secure, along with low management costs while driving rapid return on
investment (ROI) through efficient storage consolidation. HP MSA P2000 arrays ship standard
with 64 Snapshots and Volume Copy enabled for increased data protection.
Incorrect:
Not C: HP X3000 Network Storage Systems are enhanced Windows-powered gateway and
shared storage solutions for your medium business, workgroup, or datacenter environment.

QUESTION 3
A customer needs to replicate data from a remote location to an HP StoreOnce B6200 Backup.
What should the customer consider when planning the replication?

A. The HP D2D sizing tool should be used to size link speed and understand concurrency restraints.
B. Concurrency control should be used if the replication is not run at the same times as backups and
housekeeping jobs.
C. Separate replication jobs should be created for each data type.
D. Backups and housekeeping jobs should be run in the replication window.

Answer: A
Explanation:
The replication best practices that apply to HP StoreOnce D2D Backup Systems are equally as

valid for the HP B6200 StoreOnce Backup System.
Best practices include:
* Use the Sizing tool to size replication link speed and understand replication concurrency restraints.

Reference: HP B6200 Backup System, Recommended Configuration Guidelines

QUESTION 4
A customer requests a storage and server environment assessment prior to the installation of additional SAN components. Which HP software utility provides a quick and accurate view of the customers SAN topology?

A. Storage Security Self-Assessment Tool
B. SAN Visibility
C. Storage Product Selector
D. SAN Designer

Answer: B
Explanation:
SAN Visibility is a complementary software utility for HP customers that helps with SAN Analysis, SAN Diagnostics and SAN Optimization. SAN Visibility saves you considerable time, money, and effort by automating inventory activities and providing a quick and accurate view of your SAN topology. SAN Visibility has an automated report generation feature that produces recommendations, topology diagrams, and informative SAN element reports for switches, host bus adapters and storage array connectivity. SAN Visibility runs on any Windows desktop or laptop which has network connectivity to a switch within your SAN.
Incorrect:
Not A: HP's storage security self-assessment tool helps you gauge your storage privacy vulnerabilities online and free of charge--and gain valuable insight on how to better manage risk, protect sensitive data and comply with data privacy regulations.

QUESTION 5
A large enterprise is experiencing exponential growth of data but shrinking backup windows. They need to design, plan, and integrate a comprehensive disaster recovery solution for all their data centers. Part of their disaster recovery solution must include data migration to a remote site.
How does the HP StoreOnce 6200 Backup System respond to this customer's requirements?

A. by supporting more than 32 concurrent data streams to a single VTL or NAS share device
B. by supporting a single fabric with dual switches where the drives are presented to a single port for no single point of failure
C. by requiring a smaller volume of seeding data to be sent over a WAN link than previous StoreOnce D2D models
D. by providing built-in low-bandwidth replication for cost-effective copies of data offsite

Answer: D
Explanation:
Challenges in Enterprise Data Protection Requirements for a modern Enterprise Data Protection solution have many drivers:-
* Exponential growth of data Shrinking backup windows
* The need to design, plan and integrate a comprehensive Disaster Recovery capability
* The need for backup devices to be more available than ever before
The HP B6200 StoreOnce Backup System responds to all these requirements by providing:
* Deduplication to drive more efficient storage of data

* Large device scalability to ensure every backup has access to devices and, so, reduce queuing time
* (D) In-built low bandwidth replication for cost-effective copies of data offsite as part of a Disaster Recovery plan
* HP Autonomic failover (with appropriate ISV software) to allow backups to continue, even if a node in an HP B6200 StoreOnce Backup System fails.
* High scalability in terms of capacity, performance and replication to ensure the system grows as your business grows.

Reference: HP B6200 Backup System, Recommended Configuration Guidelines

QUESTION 6
Which tool does the HP StoreVirtual 4000 solution provide to help customers monitor array health?

A. Command View
B. Centralized Management Console
C. FCTool
D. SAN Toolbox

Answer: B
Explanation:
HP LeftHand P4000 Centralized Management Console (CMC) includes possibilities to:
* monitoring arrays
Incorrect:
Not D: The SAN toolbox is used to provide a simple and effective way to represent the various components of a SAN configuration.
Not A: Want to reduce IT costs and management complexity for your arrays and SANs? Need to be ready for the next set of changes?
HP Command View EVA Software provides you with a powerfully simple storage management experience, automates and aggregates storage management to reduce complexity and increase productivity. Quickly and easily automate tasks such as configuring RAID groups.
Provisioning capacity is simple, and you can dynamically expand LUNs and add drives online without downtime to quickly meet changing business needs. HP Command View EVA Software is a comprehensive software suite designed to simplify array provisioning and management of all HP EVA family of storage array products.
You can easily create Vdisks and grow or shrink LUNs, all without downtime. Command View EVA Software allows you to replicate data with snapshots for immediate use.
And you can feel secure about your data with the industry-leading security features.

QUESTION 7
A company with a first-generation deduplication appliance is migrating to an HP StoreOnce 6200 Backup System. After migration, what will be the size of the deduplication block?

A. 4 kb
B. 8 kb
C. 16 kb
D. 32 kb

Answer: A
Explanation:
Deduplication Optimization

HP created a highly-optimized deduplication approach that introduces time- and space-saving techniques. With the goal of eliminating the maximum amount of redundancy in its data inspection, while also maintaining a small index to deliver the fastest performance, the company focused on two components of its deduplication approach: an average variable chunk size of 4K, and a sparse index.

HP's Adaptive Micro-Chunking uses variable-length data segments or chunks. The backup stream is broken down into approximately 4K variable-length segments that are examined for redundancy versus previously stored information. Smaller segments means there are more chunks and index comparisons, which also means a higher potential to locate and eliminate redundancy (and produce higher reduction ratios). Comparative solutions use block sizes that range from 8K to 32K. The tradeoff with small chunk sizes is a greater number of index look-ups--which could mean slower deduplication performance. However, HP Labs developed HP Predictive Acceleration technology to maintain performance and reduce RAM requirements. By using a subset of key values stored in memory, StoreOnce determines a small number of sequences already stored on disk that are similar to any given input sequence--what HP refers to as sparse indexing. Then each input sequence is only deduplicated against those few sequences. This minimizes disk IO and uses less disk and little memory, creating more efficiency and enabling faster ingest and, importantly, restoration of data. HP's approach accelerates reads/writes, and delivers rapid ingest rates of up to 28 TB/hour. Predictive Acceleration has enabled HP to require up to 50% less RAM than comparable solutions.

QUESTION 8
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

Answer: A
Explanation:
The concept of a storage profile, introduced in vSphere 5, extends the base VASA functionality. These profiles are used in conjunction with the capabilities of the LUN to determine which LUNs meet the needs of a VM. vSphere 5 can use this information to migrate virtual machines between LUNs for load balancing using Storage Distributed Resource Scheduler (DRS) while maintaining the storage performance and availability needs (RAID level, etc.) of the virtual machine. These profiles also allow vSphere to make placement decisions automatically based on the needs of the VM and the available datastores, further reducing the administration impact.

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

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