HP0-J63$^{Q\&As}$

Designing HP Backup Solutions

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QUESTION 1

A small business with multiple locations is designing a new backup strategy. After performing an initial full backup, the company wants to send only incremental backups to a NAS share that tracks the incremental backups and returns the proper data during restores. When each incremental backup is made, the company plans to send it to tape and then restructure the tapes as necessary.

Which backup technique should they use?

A. change block tracking

B. block level incremental

C. multilevel incremental

D. incremental forever

Correct Answer: D

http://en.wikipedia.org/wiki/Incremental_backup

Incrementals forever This style is similar to the Synthetic backup concept. After an initial full backup, only the incremental backups are sent to a centralized backup server. This server keeps track of all the incrementals and sends the proper data back to the server during restores. This can be implemented by sending each incremental directly to tape as it is taken and then refactoring the tapes as necessary. If enough disk space is available, an online mirror can be maintained along with previous incremental changes so that the current or older versions of the systems being backed up can be restored. This is a suitable method in case of banking systems.

QUESTION 2

A company has multiple servers that run Microsoft Windows Server. All the servers have compressed data stored on disk. What should you consider when designing an HP Data Protector backup solution for this environment?

A. Backup speed is increased because Data Protector backs up Windows disks as disk images.

B. Backup speed is reduced because Windows reads and writes filesystems to cache.

C. Backup speed is increased because Data Protector use asynchronous reading on Windows filesystems.

D. Backup speed is reduced because Windows decompresses the data before sending it across the network.

Correct Answer: D

Compression

If data is compressed on a disk, the Windows operating system first decompresses the data before sending it across the network. This reduces the backup speed and uses CPU resources.

QUESTION 3

A customer has recently upgraded their backup environment to HP Data Protector 7.0. They have several hosts with very large filesystems and are experiencing poor network performance during backup of these hosts. What should the company implement to help improve their backup performance?

A. server-side deduplication

B. inline network deduplication

C. post-backup deduplication

D. target-side deduplication

Correct Answer: A

Server-side deduplication is performed on a separate media agent client (a gateway) by the media agent. This reduces the load on the backed up system and on the target device, but does not reduce the amount of network traffic between the disk agent and media agent Book: Designing HP Enterprise Storage Solutions (Page M6-32)

QUESTION 4

Which backup solution uses hash-based chunking to perform its deduplication process?

A. HP StoreEver ESL Series Tape Library

B. HP StoreOnce Backup System

C. HP StoreEver VLS9000 Virtual Library

D. HP StoreEver MSL Series Tape Library

Correct Answer: B

http://webcache.googleusercontent.com/search?q=cache:http://bizsupport2.austin.hp.com/bc/docs/support/SupportMan ual/c03707627/c03707627.pdf

Pagina 8 (HP StoreOnce Technology is an "inline" data deduplication process. It uses hash-based chunking technology, which analyzes incoming backupdata in "chunks" that average 4K in size.

The hashing algorithm generates a unique hash value that identifies each chunk and points to its location in the deduplication store.)

QUESTION 5

A customer needs to create a point-in-time copy of a storage volume in order to restore their data instantly. Which data replication method should they use?

A. backup to disk

B. backup to tape

C. synthetic backup

D. snapshot

Correct Answer: D