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# HP0-J66

HP Storage Migration

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**QUESTION NO: 1**

A customer is preparing to migrate data between their data centers. They need to perform deduplication at the data creation point and eliminate the need for specialized deduplication hardware in their data centers. How does HP StoreOnce Catalyst enable the customer to achieve this goal?

- A. by performing source-side deduplication
- B. by performing switch-side deduplication
- C. by performing server-side deduplication
- D. by performing target-side deduplication

**Answer: A**

**Explanation:** By enabling source-side deduplication (Dedupe 2.0), HP has the advantage of performing deduplication at the data creation point. Source-side deduplication eliminates the need for specialist deduplication hardware at remote and branch office sites. StoreOnce Catalyst allows customers to align backup with data protection needs, such as minimizing bandwidth utilization when moving data between sites or data centers.

Reference: Dedupe 2.0: What HP Has In Store(Once)

**QUESTION NO: 2**

A customer is planning to migrate a database to a new site. They need to create an extended SAN in a single fabric namespace by using a dedicated link over a distance of 200 km.

Which network protocol should they use to achieve this goal?

- A. FCIP
- B. iFC
- C. FCoE
- D. iSCSI

**Answer: A**

**Explanation:** FCIP connects Fibre Channel fabrics over IP-based networks to form a unified SAN in a single fabric. FCIP relies on IP-based network services to provide connectivity between fabrics over LANs, MANs, or WANs.

Note:

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HP SAN extension technologies include:

- \* FCIP

(greater than 10 km to 20,000 km)

- \* FC-ATM

- \* FC-SONET

- \* WDM

(greater than 35 km to 100–500 km)

- \* Fibre Channel using long-wave transceivers

(10 km–35 km)

### QUESTION NO: 3

A customer is extending a SAN by using wavelength division multiplexing (WDM) to migrate their master database to a new data center. They need to ensure that there is adequate line speed to perform the migration in the event of a primary path failure.

What should the customer do to achieve this goal?

- A. Ensure that all SAN devices use the same Fibre Channel speed.
- B. Ensure that all SAN switches have the same core PID number.
- C. Ensure that there are separate WDM paths for transmitting and receiving packets
- D. Ensure that a secondary path with sufficient buffer-to-buffer credits is available

**Answer: D**

**Explanation:** WDM devices extend the distance between two FICON directors. The devices are transparent to

the directors and do not count as an additional hop.

To accommodate WDM devices, you must have enough Fibre Channel BB\_credits to maintain line-speed performance. WDM supports Fibre Channel speeds of 10 Gb/s, 8 Gb/s, 4 Gb/s, 2 Gb/s, and 1 Gb/s. When planning for SAN extension, BB\_credits are an important consideration in WDM network configurations. Typical WDM implementations for storage replication include a primary and secondary path. You must have enough BB\_credits to cover the distances for both the primary path and secondary path so that performance is not affected if the primary path fails.

Reference: HP Mainframe Connectivity Design Guide

### QUESTION NO: 4

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A customer plans to migrate data from a third-party storage system to an HP 3PAR solution. The customer has leased data center space. Which HP 3PAR Storage solution must be integrated into an HP 3PAR rack?

- A. HP 3PAR StoreServ 10800
- B. HP 3PAR StoreServ 10400
- C. HP 3PAR StoreServ F200
- D. HP 3PAR StoreServ 7400

**Answer: D**

**Explanation:**

Note:

\* The HP MPX200 Multiprotocol Router provides support for HP 3PAR StoreServ 7000 and 10000 as well as 3PAR F/T, including 1GbE iSCSI and 10GbE iSCSI and FCoE target support. MPX200 iSCSI provides an alternative option for HP 3PAR storage systems if you don't want to dedicate native iSCSI ports on your array. The MPX200 also facilitates the sharing of iSCSI/FCoE connectivity simultaneously for HP 3PAR storage systems from the same MPX200. For Data Migration the MPX200 provides high performance migration from P6000/EVA to HP 3PAR storage systems and simplifies Data Migration from third party storage such as IBM and EMC to HP 3PAR. The MPX200 is an ideal solution enabler for HP 3PAR customers.

#### **QUESTION NO: 5**

A company needs to migrate from a third-party storage system to an environment that can grow by scaling out. The solution must also allow use of a server for downloading upgrades.

Which solution meets the company's requirements?

- A. HP 3PAR StoreServ 7000
- B. HP StoreOnce 6200
- C. HP StoreVirtual 4000
- D. HP 3PAR StoreServ 10000

**Answer: C**

**Explanation:**