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**Vendor:**HP

**Exam Code:**HP0-J67

**Exam Name:**Architecting Multi-site HP Storage  
Solutions

**Version:**Demo

### QUESTION 1

You have designed a new SAN fabric for a customer. Fabric consist of Cisco MDS 8/24 Fabric Switces for BladeSystem c-class. Which mode and feature allows automatic mapping of physical WWNs to virtual WWNs using NAT? (Select 2)

- A. NPV
- B. .FlexFabric
- C. Virtual Domains
- D. Access gateway
- E. FlexAttach

Correct Answer: AE

Explanation: A+E - SanDesign Reference Guide edition 73, 4dec2012. p131, bullet1.

E - FlexAttach:

[http://www.cisco.com/en/US/docs/switches/datacenter/mds9000/sw/nx-os/configuration/guides/int/int\\_cli\\_4\\_2\\_published/flexattach.pdf](http://www.cisco.com/en/US/docs/switches/datacenter/mds9000/sw/nx-os/configuration/guides/int/int_cli_4_2_published/flexattach.pdf)

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### QUESTION 2

Your VMware customer has a requirement for transparent failover between campus data centers. Which HP 3PAR StoreServ feature enables the customer to fulfill this requirement?

- A. Synchronous Long Distance replication
- B. Peer Persistence
- C. One-to-One replication
- D. Port Persistence

Correct Answer: B

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### QUESTION 3

A customer has an environment spanning two datacenters in a campus environment. The primary storage is an HP 3PAR StoreServ 10400 Storage system. Data is replicated between sites with and RPO of zero.

There has recently been a hurricane and extensive flooding. While the customer was not directly impacted, they are now questioning whether they have adequate protection. You have been brought in to analyze the customer environment and make recommendations. You suggest creating a data center at a remote location and actively replicating data to it.

What are the implications of adding the third data center to the data network? (Select two)

- A. Jumbo Frames should be enabled
- B. The data network must support converged enhanced ethernet
- C. A new subnet must be added to interconnect the 3PAR arrays
- D. The data network must support Open Stack
- E. 10 GbE links are needed to interconnect to HP 3PAR StoreServ Arrays

Correct Answer: AC

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#### QUESTION 4

An existing environment contains a two-node HP 3PAR StoreServ 10400 storage array with approximately 60 TB of capacity spread across three tiers. The customer plans to replicate their business critical data to a remote DR site. The customer cannot afford to lose any of this data. You propose that the customer install an HP 3PAR StoreServ 7400 Storage system at the DR site.

The CFO does not want the remote equipment to sit idle, so the customer will use that equipment for data mining. The results must be replicated back to the main site. The customer also requires that the replication of the data mining results have zero impact on the data mining performance.

Which HP 3PAR technology enables the proposed solution to meet the customer requirements?

- A. Peer Motion
- B. Mixed Mode Replication
- C. Online Import
- D. Adaptive Optimization

Correct Answer: B

<http://bizsupport2.austin.hp.com/bc/docs/support/SupportManual/c03618143/c03618143.pdf> p129

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#### QUESTION 5

Your customer has made a strategic decision to implement a DR solution that will incorporate an active/active bi-directional replication configuration. The two sites in Q will have live applications running at both locations, and both sites will have a fluid server estate with new systems coming online on a regular basis. Additionally, there is an aggressive server replacement schedule keeping in step with the HP server generation roadmap. All of the customer servers will utilize Boot from SAN. The sites are 55 km apart with a single 1G Ethernet link that is at 50% utilization. There is no SLA. The customer has already purchased one pair of MPX200 FCIP gateways per site.

What is a potential effect of this configuration? (Select two.)

- A. The link speed will need to be upgraded to 10Gb
- B. WAN instability will cause fabric instability.
- C. Multiple 1Gb links will form a single 10Gb link.

D. LSANs will maintain fabric stability.

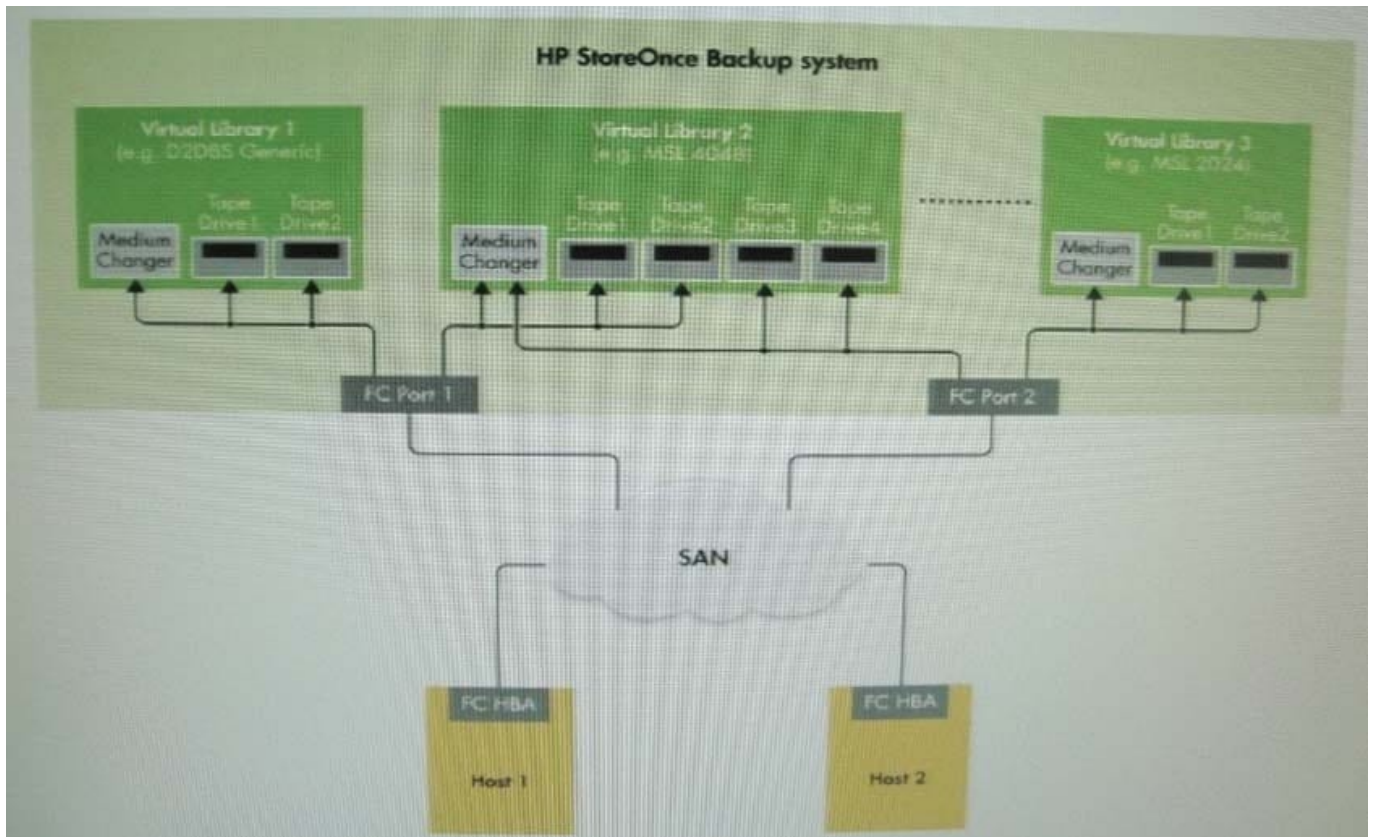
E. The fabric will be extended across the two sites.

Correct Answer: BE

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### QUESTION 6

Refer to the exhibit:



How does the cabling scheme ensure high availability for Virtual Library 2?

- A. The Virtual Tape Libraries are spread across both Fibre Channel ports and offer load balancing across the SAN.
- B. The medium changer and drives are connected redundantly to the Fibre Channel ports of the system and the SAN.
- C. The drives are presented through both Fibre Channel ports of the HP StoreOnce Backup System.
- D. The medium changer is connected redundantly, and the drives, by default, are connected 50% to each port.

Correct Answer: D

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### QUESTION 7

A leading automotive technology company wants to increase the performance and capacity of the storage infrastructure that supports the design and manufacture of its line of Formula 1 racing cars. The company is also interested in

safeguarding its mission-critical data and eliminating the threat of business disruption. Due to the massive engineering and technical effort required to create a new race car design and to enable regular delivery of upgraded parts to the race track while maintaining a competitive edge, it is necessary to have advanced applications running on a high-performance IT infrastructure. The company operates out of two data centers. The centers support a Plant Lifecycle Management database, an Enterprise Resource Planning (ERP) system, and various trackside systems to set up the race car and aid race strategy. In addition, the centers run applications for Computer-Aided Design (CAD) Computer-Aided Manufacturing (CAM), and Computational Fluid Dynamics (CFD) packages. The company as deployed Oracle and SQL databases, VMware virtual machines, email, and all other applications on an HP 6400 Enterprise virtual Array (EVA). The EVAs automatically replicate between the two data centers to guard against failure. The EVAs are aging, applications are more sophisticated, data volumes have grown exponentially, and bottlenecks in the storage system are now having a significant effect on the performance of the simulation and analysis tools that are vital to the company's competitive position. The data storage problem has reached a point where the company is forced to store primary data at the secondary site causing the loss of their disaster recovery capability. The company's top five IT Improvement goal's are:

- Reduce complaints about storage system availability.
- increase support for sophisticated design and manufacturing applications.
- Provide a robust replication capability between data centers.
- increase storage utilization while deploying additional capacity.
- Simplify operations during peak workloads.

Moreover, the company's top three business benefit goals are:

- Ensure rapid data retrieval to aid in quick decision making.
- Protect mission-critical data and ensure business continuity.
- Recover costs from existing infrastructure, thus providing increased IT funds for additional projects. You are proposing HP 3PAR StoreSe|v 7400s for the two data centers, and the HP 6400 Enterprise Virtual

Arrays must be retired in three months.

Which feature of your proposal allows data migration to the new storage array?

- A. HP Remote Copy
- B. HP Peer Motion
- C. HP Online Import
- D. HP MPX200 Router

Correct Answer: C

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## QUESTION 8

A customer extends their Oracle Database on a virtual volume residing on an HP 3PAR StoreServ array. After the extension is complete, the customer asks you why the additional allocated space by the database is not reflected in the

occupation level on their HP 3PAR StoreServ array. You explain the superior TCO and ROI of HP 3PAR StoreServ arrays to the customer.

Which HP 3PAR StoreServ technology increases the efficiency of HP 3PAR StoreServ arrays and improves TCO and ROI?

- A. HP 3PAR Virtual Array
- B. HP 3PAR Thin Provisioning
- C. HP 3PAR REplication
- D. HP 3PAR Wide Striping

Correct Answer: B

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### QUESTION 9

A leading automotive technology company wants to increase the performance and capacity of the storage infrastructure that supports the design and manufacture of its line of Formula 1 racing cars. The company is also interested in safeguarding its mission-critical data and eliminating the threat of business disruption.

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Further investigation reveals that the data centers are 175 meters apart with two diversely-routed 50 micron multi-mode fiber optic cables. The solution requires 16 Gbs of bandwidth between sites. Which additional information is needed from your customer to ensure their interconnect goals are met?

- A. Cable ISO classification type
- B. Cable buffering type
- C. Cable termination type
- D. SFP laser wavelength

Correct Answer: A

now using lasers with multimode fiber-optic cable. ANSI/TIA-568-C.3 recognizes two types of multimode optical fiber cable:

- ◆ Two-fiber (duplex) 62.5/125-micron (aka OM1 per ISO 11801)
- ◆ 50/125-micron multimode fiber-optic cable

Within the 50/125-micron multimode fiber-optic classification, there are two options:

- ◆ A standard 50-micron fiber (aka OM2 per ISO 11801)
- ◆ A higher bandwidth option known as 850nm laser-optimized 50/125-micron (aka OM3)

ANSI/TIA-568-C.3 recommends the use of 850nm laser-optimized 50/125-micron (OM3) since it has much higher bandwidth and supports all Gigabit Ethernet applications to the longest distances.

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## QUESTION 10

Your customer has two data centers in a campus. The environment consists of: HP BladeSystem c7000 enclosures with HP Virtual Connect Flex-10 modules

HP ProLiant BL460c Server Blades

HP StoreVirtual 4430

HP 5900 Switches

The HP Virtual Connect Flex-10 modules connect to the switches in three 10Gb Shared Uplink sets. The storage connects to the switches via 10Gb. The customer wants to migrate their network to a flat architecture and simplify managements.

What should you implement to meet the customer requirements?

- A. HP Intelligent Resilient Framework (IRF)
- B. HP Virtual Connect Enterprise Manager (VCEM)
- C. Spanning Tree Protocol (STP)
- D. HP Intelligent Management Center (IMO)

Correct Answer: A

#### **QUESTION 11**

Your customer needs a solution to provide non-disruptive data streaming across two sites. The customer is not limited to an existing transport protocol in their environment but wants to use deduplication for their office data.

Which HP storage solution should you recommend?

- A. HP StoreEasy
- B. HP 3PAR StoreServ
- C. HP EVA
- D. HP StoreOnce

Correct Answer: B

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#### **QUESTION 12**

When sizing a solution involving deduplication, how does the rate of changed blocks between backups affect dedup ratio?

- A. The lowest the block change rate the highest the deduplication ratio
- B. No changed blocks between backups result in a dedup ration of 0%
- C. Dedup ration is only affected by the back up software
- D. The rate of changed blocks does not affect deduplication efficiency.

Correct Answer: A