



**Vendor:** HP

**Exam Code:** HP0-J53

**Exam Name:** Designing HP Storage Datacenter Solutions

**Version:** DEMO

1. Your customer wants to replace their current Tier1 storage environment (120TB usable capacity) that supports current versions of VMware/Windows, RedHat Linux, HP-UX and Solaris. While the current storage environment has been reliable, it struggles to keep pace with the rapid changes in the company's business environment as changes and upgrades often take many weeks to plan before they can be deployed. Even day-to-day tasks such as LUN provisioning require significant management effort. The new storage solution must not compromise reliability, but should address the requirements for reduced management effort and deployment flexibility. Improvement in capacity utilization would also be viewed very positively. Which HP storage solution would best meet the customer's business requirements?

A. 3PAR T400 4 nodes, Dynamic Optimization, Thin Provisioning, Thin Conversion, and Thin Persistence

B. 3PAR T400 2 nodes, Dynamic Optimization, Thin Provisioning, Thin Conversion, and Thin Persistence

C. 3PAR F400 with 4 nodes, Dynamic Optimization, Thin Provisioning, Thin Persistence, and Adaptive Optimization

D. 3PAR F400 with 2 nodes, Dynamic Optimization, Thin Provisioning, Thin Persistence, and Adaptive Optimization

**Answer: A**

2. Click the Exhibit button.

A hospital has recently contacted you about a major environment upgrade. Due to funding issues and frequently changing management, they have allowed their infrastructure to age to a point that it is experiencing failures that impact patient care. The new CIO still has funding concerns, but the board has realized that they must spend money to stay in business and grow their patient base.

This hospital has similar concerns to that of other medical facilities. They must meet HIPAA [Health Insurance Portability and Accountability Act] requirements (how data security is handled) and be able to provide 7x24 support for all patient care systems.

The hospital has approximately 400 servers. They have one mainframe, four HP-UX servers supporting Oracle databases, one AIX system supporting DB2, and all other systems are aging ProLiant running Windows 2003 or 2008. The mainframe has dedicated storage and there are three EMC CLARiiON systems that have been experiencing both performance and availability problems. Between the four storage islands, the hospital has approximately 450TB of data stored on approximately 720TB of storage hardware. Most backups are being performed by Symantec NetBackup to an older StorageTek library with LTO2 technology.

They plan to consolidate their storage environment and as many of their Windows servers as possible using VMware on blade technology. They have asked that you assist in designing a storage environment that provides similar consolidation benefits and meets 5 9 availability requirements. They are growing their storage environment at approximately 15% per year. There is no requirement for tape, but assurance that backups are performed and offsite is necessary.

If the hospital chooses to exclude the mainframe storage from their consolidation efforts, which storage solution will best meet their needs.?

- A. P6300
- B. 3PAR T400
- C. X9720
- D. 3PAR T800

**Answer: B**

3. Click the Exhibit button.

A customer is running a vSphere 4 solution in production. The storage for the solution is an HP P4500 G2 Virtualization SAN Solution. There are growing concerns with data availability and business continuity. Datacenter space is available at a second campus less than 10km away. The existing investment in vSphere and P4500 technology must be preserved.

Which method can you use to create quorum in the event of a site failure?

- A. Use Virtual Manager to re-establish quorum.
- B. Configure Failover Manager for manual recovery.
- C. Designate a dedicated majority node.
- D. Execute the Automated Recovery Manager.

**Answer: A**

4. Your customer has a requirement for a mainframe solution to serve their billing system. The storage solution also needs to be able to support other open systems in their enterprise. Availability and performance consistency are also required. Which solution meets these requirements?

- A. HP 3PAR Storage System
- B. HP Storage Enterprise Virtual Array 6000
- C. HP Storage P9000 Disk Array
- D. HP Lefthand P4000 SAN Solution

**Answer: D**

5. DRAG DROP

Click the Task button. Your customer has a requirement to replicate a number of D2D devices to and from additional offices and you need to determine the number of licenses that are required to accomplish this. Identify the number of licenses that are required for each Replication Model.

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Identify the number of licenses that are required for each Replication Model.

Note: Some choices may be used more than once.

Required Licenses	Replication Models
(place here)	Active/Passive with two nodes
(place here)	Active/Active with two nodes
(place here)	Many to One with four nodes

**Number of Required Licenses**

1

2

4

Done

**Answer:**

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Identify the number of licenses that are required for each Replication Model.

Note: Some choices may be used more than once.

Required Licenses	Replication Models
1	Active/Passive with two nodes
2	Active/Active with two nodes
1	Many to One with four nodes

Number of Required Licenses

1

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Done

#### 6.DRAG DROP

Click the Task button. Your customer wants to implement a VMware View environment. They have decided on an HP BladeSystem, but have not yet determined the storage solution. They prefer an iSCSI, scale-out storage solution since they are unsure of the overall scope at this time. The company wants to move toward leading-edge networking technology utilizing 10GbE. They have minimal staff and want to keep tape management at a minimum. Cost is a major factor in the decision process since this approach is not yet proven in their environment. They have asked you to design a storage solution for their new environment. Place the solution components in the correct locations to create a solution that meets this customer's needs.

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The interface consists of three main target locations, each with a yellow 'place here' button:

- C7000 Blade Chassis** (top center)
- Switch** (middle center)
- Storage** (bottom center, represented by a cylinder)

On the left, there is a **Backup** location (represented by a speech bubble) with a yellow 'place here' button.

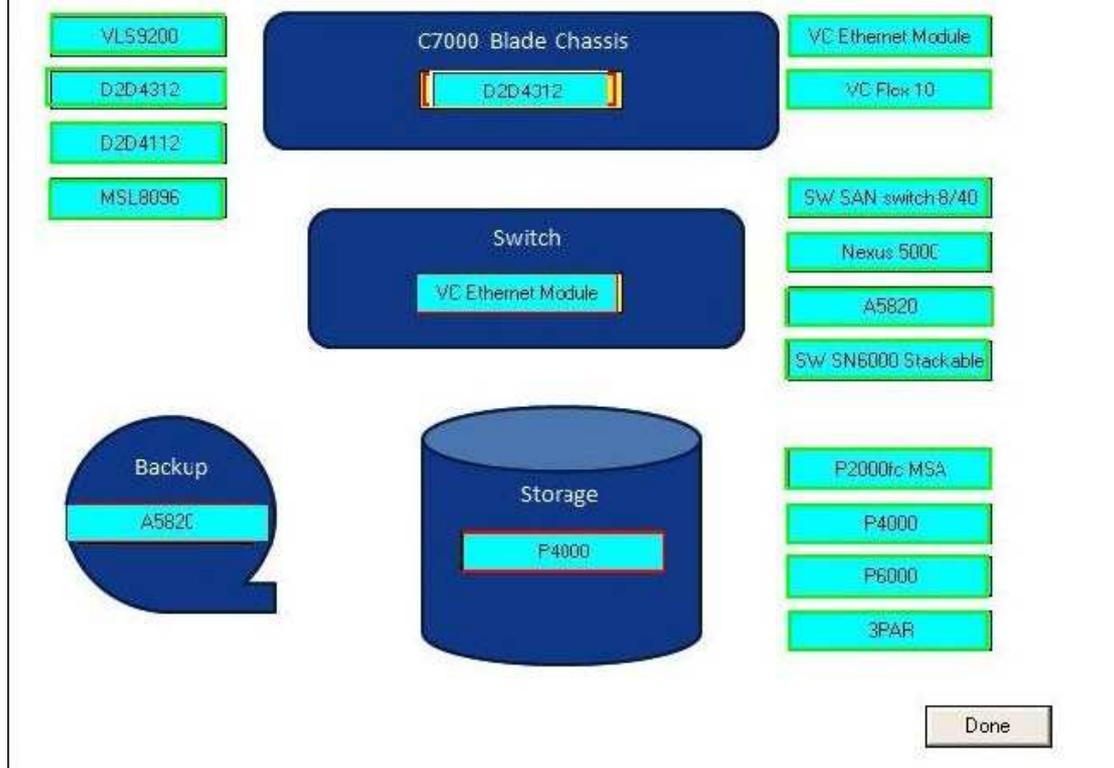
On the right, there is a list of components to be dragged:

- VLS9200
- D2D4312
- D2D4112
- MSL8096
- VC Ethernet Module
- VC Flex 10
- SW SAN switch 8/40
- Nexus 500C
- A5820
- SW SN6000 Stackable
- P2000fc MSA
- P4000
- P6000
- 3PAR

A **Done** button is located at the bottom right of the interface.

**Answer:**

Place the solution components in the correct locations to create a solution that meets this customer's needs. Note: All answers will not be used.



7. Click the Exhibit button.

Your customer plans to centralize and virtualize their user desktops using a VMware View solution for 600 users. Their primary focus for this project is efficiency. You design a server, storage and backup solution using HP infrastructure products. In your design, the server infrastructure consists of BL460c G7 server blades and a P4800 solution using four nodes. You use HP Networking as the network infrastructure.

Which HP StoreOnce function supports the customer's focus?

- A. Deduplication
- B. NAS Share
- C. VTL
- D. 10GbE iSCSI

**Answer: C**

8. You are building an X9720 Network Storage System solution consisting of four 164TB capacity blocks.

What is the minimum number of Blade Server (Performance Block) pairs required for this installation?

- A. 1
- B. 3

C. 4

D. 8

**Answer: C**

9. Click the Exhibit button.

A customer is running a vSphere 4 solution in production. The storage for the solution is an HP P4500 G2 Virtualization SAN Solution. There are growing concerns with data availability and business continuity. Datacenter space is available at additional sites within a 5km radius. The existing investment in vSphere and P4500 technology must be preserved.

Which method is used to maintain quorum in the event of a site failure?

A. deploy Virtual Manager to re-establish quorum

B. configure Failover Manager

C. designate a dedicated majority node

D. execute the Automated Recovery Manager

**Answer: B**

10. Click the Exhibit button.

A customer is running a vSphere 4 solution in production. The storage for the solution is an HP P4500 G2 Virtualization SAN Solution. There are growing concerns with data availability and business continuity. Datacenter space is available at additional sites within a 5km radius. The existing investment in vSphere and P4500 technology must be preserved.

How should traffic be shaped?

A. by isolating VMware FT logging from virtual machines, iSCSI storage, and VMotion

B. by combining VMware FT logging with iSCSI storage

C. by dedicating 50MB/s of bandwidth to VMotion

D. by restricting virtual machine traffic to 100Mb/S

**Answer: A**