Hewlett Packard Enterprise

Designing HPE Storage Solutions

Exam description

This exam tests your expert ability to:
· Explain the fundamental architectures and technologies of HPE Storage Solutions
· Identify customer requirements and design, validate and propose an HPE Storage Solution including back-up, recovery and archiving (BURA)
· Manage, administer and optimize HPE Storage Solutions

Exam ID	HPE0-J57
Exam type	Proctored
Exam duration	1 hour 30 minutes
Exam length	60 questions
Passing score	68%
Delivery languages	Korean, Japanese, English

Register for this Exam
You need an HPE Learner ID and a Pearson VUE login and password.

No reference material is allowed at the testing site. This exam may contain beta test items for experimental purposes.

During the exam, you can make comments about the exam items. We welcome these comments as part of our continuous improvement process.

Ideal candidate for this exam

The ideal candidate demonstrates the skills typically acquired with one to two years of experience in storage technologies, has completed the HPE recommended ASE curriculum or has equivalent experience, can assess business requirements and then develop a storage solution that manages, protects, and optimizes data for enterprise workloads.

Exam contents

This exam has 60 questions.

Advice to help you take this exam

- Complete the training and review all course materials and documents before you take the exam.
- Use HPE Press study guides and additional reference materials; study guides, practice tests, and HPE books.
- Exam items are based on expected knowledge acquired from job experience, an expected level of industry standard knowledge, or other prerequisites (events, supplemental materials, etc.).
- Successful completion of the course or study materials alone, does not ensure you will pass the exam.

Additional study materials
- HPE ASE – Storage Solutions Architect V3 (HPE0-J57) Study Guide

Objectives

This exam validates that you can:

Percentage of Exam	Sections/Objectives
15%	Foundational storage architectures and technologies
17%	Functions, features, and capabilities of HPE Storage products, solutions, and warranty service offerings
11%	Storage market and competitive opportunities to apply HPE Storage solutions to meet customer needs
27%	Planning, designing, upgrading, and replacing HPE Storage solutions
15%	Performance-tuning, optimizing, and upgrading HPE Storage solutions
15%	Managing, monitoring, administering, and operating HPE Storage solutions

Sample questions

1. What are advantages of using SSD drives over performance HDD drives? (Select three.)
   a. higher random IOPS
   b. lower write latency
   c. more secure with self-encryption
   d. increased power consumption
   e. higher ambient temperature support
   f. less power consumption

2. Which functionality enables the HPE 3PAR StoreServ system to perform sub-volume data movement?
   a. Adaptive Optimization
   b. Dynamic Optimization
   c. Autonomic Rebalance
   d. System Tuner

3. A customer wants to implement an FC-based SAN on their campus. They are concerned about the security of the FC traffic between switches in different buildings.

   What should you recommend?
   a. enable in-flight encryption on the ISLs
   b. set the default zoning to "noaccess"
   c. create a special zone which consists only of ISL ports
   d. use ICLs instead of ISLs to connect the switches

4. You use the HPE Renew Program to deliver an HPE 3PAR StoreServ demonstration unit to a potential customer who needs a block storage system to run an OLTP application. The customer estimates at least 20TB of usable capacity and wants to use the existing 10Gb/s iSCSI infrastructure. Low latency is important, but cost is also a concern.

   What should you include in the demonstration unit design to deliver the proof of concept?
   a. (8) 1.92TB SSD drives, (16) 1.2TB SAS drives, two-port 10Gb/s iSCSI/FCoE adapter
   b. (8) 2TB NL drives, a two-port 10Gb/s Ethernet adapter, enable File Persona
   c. (16) 920GB MLC SSD drives, two-port 10Gb/s iSCSI/FCoE adapter
   d. (8) 400GB SSD drives, (16) 1.2TB SAS drives, a two-port 10Gb/s Ethernet adapter

5. During a Proof-of-Concept you need to demonstrate performance monitoring and performance management of a Nimble solution to a customer. The environment consists of a HPE Synergy frame with eight SY480 Gen10 nodes running VMware vSphere.

   How do you identify total IO count per datastore and VM latency?
   a. Using the Nimble storage array GUI and VMvision
   b. By clicking on *Datastore Treemap* in VMvision
   c. Using vCenter and HPE OneView for Synergy
   d. By clicking on *Nimble Array Performance* in vCenter

Answers

This section provides answers to and references for the sample questions.
1. What are advantages of using SSD drives over performance HDD drives? (Select three.)

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For more information
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