Designing HP Backup Solutions

Exam description

This guide helps you to study for the Designing HP Backup Solutions (HP0-J63) exam. You can benefit from this guide whether you are attempting to expand your existing HP certification or you have experience implementing and managing another vendor’s backup solutions and want to get certified with HP.

The Designing HP Backup Solutions training focuses on the planning and design of Enterprise Backup Solutions, including the benefits of Enterprise Backup Solutions, identification of the components of a solution, and an understanding of how everything works together to provide customers with a complete network backup storage solution. This course will provide students with a competency level of understanding of the HP StoreOnce Backup System and also includes StoreOnce Best Practices, Configuration Guidelines and recommended configurations.

Who should take this exam?

This certification and its associated training are important for a channel partner organization and members of an HP sales team looking to increase sales of HP storage solutions. Individual customers who are members of an internal purchasing team defining business needs and proposing solutions within an organization would also find value in this certification. It is expected that candidates will have a minimum of one year of experience in storage technologies and that candidates have a need to identify and define business requirements and then design enterprise scope, complex storage solutions to meet those needs.

Exam contents

This exam has 58 questions. Here are the types of questions to expect:

- Multiple choice (single response)
- Multiple choice (single response), scenario based
- Multiple choice (multiple responses)
- Multiple choice (multiple response), scenario based
- Matching
- Scenarios with multiple questions

Objectives

This exam validates that you can successfully perform the following:

<table>
<thead>
<tr>
<th>HP0-J63</th>
<th>Sections/Objectives</th>
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<tbody>
<tr>
<td>12%</td>
<td>Fundamental storage architecture and technology</td>
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<td></td>
<td>• Describe storage transport components.</td>
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<td>• Describe and characterize SAN topologies.</td>
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<td>• Describe backup systems technology.</td>
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<thead>
<tr>
<th>Exam ID</th>
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<tbody>
<tr>
<td>Exam type</td>
<td>Proctored</td>
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<tr>
<td>Exam time</td>
<td>105 minutes</td>
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<td>Exam length</td>
<td>58 questions</td>
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<td>Passing score</td>
<td>57%</td>
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<td>Delivery languages</td>
<td>English, Japanese</td>
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<tr>
<td>Related certifications</td>
<td>• HP ASE – Storage Solutions Architect V1</td>
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<td>Supporting courses</td>
<td>These recommended courses help you prepare for the exam:</td>
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<tr>
<td>Additional study materials</td>
<td>• 00729675 – Designing HP Backup Solutions, Rev. 14.21</td>
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<tr>
<td>Register for this exam</td>
<td>HP Product Bulletin</td>
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<tr>
<td>You will need an HP Learner ID.</td>
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During the exam, you can make specific comments about the exam and items. HP welcomes these comments as part of our continuous improvement process.

No online or hard copy reference material will be allowed at the testing site. This exam may contain beta test items for experimental purposes.
Tips for taking this exam

This exam assesses whether you have the knowledge and skills that a Cloud Architect requires on the job. Therefore, many test items present a scenario, which outlines a particular environment or problem. You may also need to use exhibits to complete the test items successfully.

Take the time to read the entire question and consider all of the options carefully before you answer. If the question indicates that it features an exhibit, study the exhibit and reread the question. Make sure to select the answer that correctly responds to the question that is asked, not simply an answer that includes some correct information.

If the question asks for more than one answer, remember to select each correct answer. You will not receive partial credit for a partially correct answer.

Sample questions

Use the following questions to help assess whether you are ready to take the exam. Answers to these sample questions are provided at the end of this guide.

1. Which Data Protector component manages the media and all backup and restores activities?
   a) Manager-of-Managers (MoM)
   b) Cell Manager
   c) Media Agent (MA)
   d) Virtualization Enterprise Integration Agent (VEIA)

2. A customer requires backups and restores to continue in the event of a disk path failure. The backup solution must provide 24/7 data availability in a SAN Environment.
   Which backup solution typically provides this functionality?
   a) SAN Zoning configuration
3. A customer is successfully using Hyper-V snapshots to enable recovery of failed virtual machines and is now considering using snapshots for data backup and recovery of production data without stopping the virtual machine.

Which Data Protector backup and recovery option is recommended?

a) Volume Shadow Copy Service (VSS) system provider snaps
b) Volume Shadow Copy Service (VSS) hardware provider snaps
c) Online Backup for virtual machines
d) Offline Backup for VMs

4. A customer requires the staging of backup data to a host-managed, low cost disk to facilitate quick restores and enable long term archival storage. The backup solution must enhance typical recovery processes and provide data protection in a cost efficient solution.

Which backup solution typically provides this functionality?

a) Virtual tape configuration
b) Continuous Access configuration
c) Disk to disk to tape configuration
d) Extended SAN configuration

5. A customer is considering a Virtual Library System (VLS) for their backup solution and is trying to determine the number of libraries they will require. The customer does not want to be concerned about assigning specific jobs to specific libraries or performance tuning, they are interested in using less tape media and they intend to use Data Protector as the backup application.

Which library configuration would best fit these customer requirements?

a) Many-to-one configuration
b) One-to-one configuration
c) Some-to-one configuration
d) Dedicated number-to-one configuration

6. A customer has legacy data on existing HP 3PAR systems. They need to migrate data to a new heterogeneous system while maintaining information access.

What can the customer use to achieve this goal?

a) Peer Motion
b) Replication Manager
c) Online Migration
d) Remote Copy

7. A customer is planning to deploy a multi-site cluster that uses StoreVirtual 4000 storage arrays for data backups.

What benefit does network RAID provide in this configuration?

a) asynchronous replication
b) change tracking
c) data deduplication
d) synchronous replication
8. A customer needs to back up a virtual environment that will require 230 TB of storage. Data growth is expected to expand over the next few years. The customer needs a solution that can expand storage capacity and reduce storage costs.

Which storage solution should the customer deploy?

a) HP StoreSure 2000 Storage System  
b) HP EVA 6000 Storage System  
c) HP XP 9500 Storage System  
d) HP StoreVirtual 4000 Storage System

9. A customer needs an entry-level shared storage solution that provides 12 TB of raw block iSCSI storage over their existing network. It must also enable them to create snapshots for online backups.

Which storage solution should the customer deploy?

a) HP XP 9000 Storage System  
b) HP StoreVirtual 4800 Storage System  
c) HP StoreVirtual 4900 Storage System  
d) HP StoreSure 2000 Storage System

Answers

This section provides answers to and references for the sample questions.

1. Which Data Protector component manages the media and all backup and restores activities?

   a) Manager-of-Managers (MoM)  
   b) Cell Manager  
   c) Media Agent (MA)  
   d) Virtualization Enterprise Integration Agent (VEIA)

   REFERENCES: 
   Data Protector Integration Guide for Virtualization Environments

2. A customer requires backups and restores to continue in the event of a disk path failure. The backup solution must provide 24/7 data availability in a SAN Environment.

Which backup solution typically provides this functionality?

a) SAN Zoning configuration  
b) Point-to-Point configuration  
c) Multi-path to disk configuration  
d) Extended SAN configuration

   REFERENCES:  
   EBS Example Configurations

3. A customer is successfully using Hyper-V snapshots to enable recovery of failed virtual machines and is now considering using snapshots for data backup and recovery of production data without stopping the virtual machine.

Which Data Protector backup and recovery option is recommended?

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b) Continuous Access configuration
c) Disk to disk to tape configuration
d) Extended SAN configuration

REFERENCE:
EBS Example Configurations

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Which library configuration would best fit these customer requirements?

a) Many-to-one configuration
b) One-to-one configuration
c) Some-to-one configuration
d) Dedicated number-to-one configuration

REFERENCE:
HP VLS Solutions Guide

6. A customer has legacy data on existing HP 3PAR systems. They need to migrate data to a new heterogeneous system while maintaining information access.

What can the customer use to achieve this goal?

a) Peer Motion
b) Replication Manager
c) Online Migration
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REFERENCE:
HP Converged Storage whitepaper Nov-2011.pdf

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What benefit does network RAID provide in this configuration?

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b) change tracking
c) data deduplication
d) synchronous replication

REFERENCE:
Designing a Data Protection Strategy
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b) HP EVA 6000 Storage System  
c) HP XP 9500 Storage System  
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REFERENCE:  
Guide to HP Disk Storage Systems Feb 2012

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Which storage solution should the customer deploy?

a) HP XP 9000 Storage System  
b) HP StoreVirtual 4800 Storage System  
c) HP StoreVirtual 4900 Storage System  
d) HP StoreSure 2000 Storage System

REFERENCE:  
HP P2000 G3 MSA Array Systems - Overview and Features

For more information

HP ExpertOne: www.hp.com/go/ExpertOne-ContactUs