Hewlett Packard Enterprise

Workload Solution

Data Protection

Creating HPE Data Protection Solutions

Exam description

This exam tests the candidate's ability to display competency in multiple data protection technologies, strategies, and deployment models in order to architect a solution and strategy that aligns with the customers' business drivers and mitigates potential risks.

Ideal candidate for this exam

This certification is targeted to solution architects who have experience designing and implementing complex data protection solutions and want to validate their skills to leverage HPE data protection solutions. Candidates typically define business needs, propose, and may deploy, the solution.

Exam contents

This exam has 55 questions. Here are types of questions to expect:
- Discrete Option Multiple Choice

Exam ID	HPE0-V17
Exam type	Proctored
Exam duration	1 hour 30 minutes
Exam length	55 questions
Passing score	58%
Delivery languages	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.

Advice to help you take this exam

- Complete the training and review all course materials and documents before you take the exam.
- 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.

What to Expect with Discrete Option Multiple Choice (DOMC) exams:

This exam uses the DOMC question format. It is quite different than traditional multiple choice exams. It is designed to increase exam fairness, to protect exam integrity, your exam scores and your time.

How is DOMC different?

- Instead of presenting all the answer options together at one time, DOMC questions present answer options one at a time, at random
- When an answer option is presented, you select either Yes or No to indicate if the option is correct or not. This process repeats until the question concludes
- You may see more than one correct option
- You may receive as few as one option for each test question or several options
- Once you move forward, you may not go back and change your response to a previous option

We created an HPE sample test to help you practice using this DOMC test format. During registration, you will be asked to confirm that you have completed the HPE DOMC sample test and understand how this exam will perform.

Become acquainted with DOMC:
HPE DOMC sample test
DOMC FAQs

Be sure to complete the supporting resources and review all materials and documents before you take the exam. Successful completion of the supporting resources alone does not ensure you will pass the exam.

Objectives

This exam validates that you can: Gather and evaluate a customer's service level requirements, identify potential risks, and assess existing infrastructure in order to design a data protection solution, including ongoing backup strategies, and communicate these to the customer.

Percentage of Exam	Sections/Objectives
9%	Explain Data Protection and related Concepts: • Determine the required data availability according to the customer's service level agreements • Understand customer objectives, business drivers, and impacts Describe different data protection technologies • Identify challenges associated with backup and recovery Identify risks and potential impacts in order to mitigate them • Given a scenario, interpret pain points and their impact • Demonstrate awareness of how compliance / legal requirements affect solution requirements • Describe the data security requirements • Describe the data protection cycle • Describe the components of a data recovery plan • Differentiate an application-consistent backup and a crash-consistent backup
6%	Describe Data Retention Strategies: • Describe data protection schemes • Explain 3-2-1 as a data retention strategy • Categorize data • Differentiate between backup and archiving strategies • Given a scenario, recommend a vaulting strategy • Explain retention periods and the effects of data growth
9%	Describe Data Protection Technologies: • Describe how snapshots and replication play a role within a backup strategy (designed for fast restore on the same hardware) • Differentiate between deduplication and compression • Explain the role of removable media in a backup strategy Explain the role of cloud storage as a backup target • Explain encryption and how keys are managed • Contrast internal and external encryption (inflight or at rest) in terms of where the encryption is happening • Differentiate between zero copy clones, smart clones, and snapshots • Describe what VSS does during a backup
18%	Describe Data Protector: • Identify the components within a DP solution and describe their roles • Describe the different DP licensing options • Determine where the various components are deployed • Identify the components within a Veeam solution and describe their roles • Describe the different Veeam licensing options • Determine where the various components are deployed • Identify the components within a Commvault solution and describe their roles • Describe the different Commvault licensing options • Determine where the various components are deployed • Display an awareness of key points regarding other relevant ISVs

Percentage of Exam	Sections/Objectives
18%	**Explain Data Protection Integrations and Tools:** • 3PAR / Nimble integrations – Identify the integrations that are used by the ISV • Identify integration restrictions that exist as part of a given software solution • Recognize that SimpliVity has its own internal backup mechanism • Recognize that backup software may be used as part of the 3-2-1 guideline • Describe the StoreOnce portfolio and NAS / VTL replication • Describe the advantages of a Catalyst datastore • Explain how Catalyst deduplication works • Identify Catalyst compatibility with a given ISV • Explain Catalyst Replication • Explain the use and licensing of HPE Cloud Bank Storage • Describe the StoreOnce integration with InfoSight • Differentiate between StoreOnce and the competition • Describe the StoreEver portfolio and options • Distinguish between VTL and StoreEver, being able to recommend using both or just one • Demonstrate an awareness of LTO backwards compatibility • Explain RMC concepts • Describe the integration of RMC with VMWare, SQL, Oracle, SAP, Exchange, and other critical applications
7%	**Describe Data Protection Tools and Tool Usage:** • Explain the purpose of NinjaProtected+ • Identify the components of HPE Assessment Foundry • Explain the purpose of LTT (Library Tape Tools) troubleshooting, firmware updates • Identify the purpose of Data Domain sizing tool (HPE DD Analyser) • Identify the purpose of StoreEver Command View • Identify the purpose of StoreEver TapeAssure • Use the Storage Sizing Tool to generate a recommended solution (required for NP+ output) • Use SPOCK and ISV compatibility lists to validate the solution • Identify the purpose of HPE SAF Analyze
10%	**Perform Sizing and Planning – Gather information:** • Determine if the customer has an SLA and current risk analysis on which to base your potential solution • Determine the amount and type of data required to be backed up, daily change rate, and expected annual growth • Determine the required retention schedule • Identify customers' current and/or planned backup strategies, operations, backup window, and RPO, RTO • Determine if the customer has remote sites available for replication or backup
15%	**Design and Size the Solution:** • Select the appropriate backup software that meets the customer needs • Determine the appropriate backup target • Determine appropriate internal and external encryption (inflight or at rest) according to the customer's security policy if applicable • Determine what servers are available (or need to be added) to house the various ISV components • After design, determine if there are bottlenecks within the customer's existing infrastructure that will affect backup and/or restore and propose appropriate changes • Attach the appropriate services
8%	**Validate and Propose the Solution:** • Given a customer scenario assess the policy and whether it fulfills the expected recovery times • Verify compatibility with the customer's environment and the components used in the solution • Given a scenario recognize and assess Customer needs, propose a solution and explain how they align to business drivers

For more information

Contact our program

Information is as of January 2023, Revision 4