



Creating HPE Virtual Desktop Infrastructure Solutions (inactive on May 01, 2023)

Exam description

This exam tests the candidate's ability to display competency with multiple VDI technologies and VDI deployment models. The candidate will also be tested on their understanding of automation, management, and orchestration tools relevant to VDI in order to optimize resiliency, availability, performance, deployment, and manageability.

Ideal candidate for this exam

This certification is targeted to solution architects who have experience gathering and evaluating customers' stated requirements in order to architect and design a solution that delivers the desired user experience for desktop applications which may span different VDI technologies depending on the workloads. Candidates typically define business needs, propose, and may deploy, the solution.

Exam ID	HPE0-V16
Exam type	Proctored
Exam duration	1 hour 30 minutes
Exam length	55 questions
Passing score	62%
Delivery languages	English, Japanese

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.

Exam contents

This exam has 55 questions. Here are types of questions to expect:

- Discrete Option Multiple Choice

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 the customer's requirements in order to architect and design a solution that delivers the desired user experience for desktop applications which may span different VDI technologies, depending on workloads.
- Articulate key differentiators for HPE solutions, including SimpliVity, Moonshot, InfoSight, TCO and others.

Percentage of Exam	Sections/Objectives
9%	<p>Explain VDI Concepts:</p> <ul style="list-style-type: none"> • Given a customer scenario, assess whether to use Persistent vs. Non-Persistent desktops • Given a customer scenario, assess whether to use linked clones • Given a customer scenario, assess whether to use full clones • Recognize management and provisioning environments • Distinguish between HDI (Hosted Desktop Infrastructure) and VDI • Describe the different types of VDI solutions • List security considerations as they relate to VDI • Determine the use cases for and against the use of VDI
6%	<p>Explain GPU Basics:</p> <ul style="list-style-type: none"> • Describe the differences between NVIDIA and AMD GPUs • Given a scenario, calculate the number of users that can be supported
7%	<p>Describe Connectivity Requirements:</p> <ul style="list-style-type: none"> • Recommend an appropriate user access authentication methodology based on identified vendor guidelines • Recommend an appropriate user access authentication methodology based on identified vendor guidelines • Given a scenario, identify user access methods that need to be considered when designing a VDI solution • Identify situations in which security gateways and/or WAN connectivity is required for a VDI environment • Determine the back-end network requirements for a given scenario • Describe how a WAN accelerator can be used to optimize network bandwidth utilization • Explain the appropriate use of load balancer technology to improve connection performance and reliability • Determine client connectivity requirements to establish bandwidth needs for a VDI solution • Identify the use cases in which a GPU is required
11%	<p>Describe VDI Solutions – Citrix:</p> <ul style="list-style-type: none"> • Describe the various components needed for each VDI solution for Citrix • Match each Citrix component with its function • Compare the difference between MCS and PVS and the underlying resources that are required for each in a Citrix environment
11%	<p>Describe VDI Solutions – VMware:</p> <ul style="list-style-type: none"> • Describe which components are needed for each VDI solution for VMWare • Match each VMware component with its function • Given a scenario, determine how many VMware Connection Servers are required
8%	<p>Explain Licensing:</p> <ul style="list-style-type: none"> • Given a scenario containing customer requirements and an example price list, determine the most cost effective licensing option • Describe how the virtual desktops OSs are licensed • Identify where to put licensing keys for a Horizon server • Explain when the hypervisor components require separate / additional licensing • Explain when GPU licensing is required

Percentage of Exam	Sections/Objectives
14%	<p>Describe the HPE Portfolio:</p> <ul style="list-style-type: none"> • Determine the correct HPE Server solution for a given scenario • Determine the correct HPE Storage solution for a given scenario • Identify which components are appropriate for the backend of a VDI solution
14%	<p>Meet Customer requirements:</p> <ul style="list-style-type: none"> • Based on the customer's expected outcome, recommend a solution that meets their business needs • Recommend a solution that meets the customer's availability requirements in accordance with their established service level needs • Determine the appropriate user groupings based on applications, tools, hours and number of users in the customer's environment • Determine if a VDI solution is a good recommendation for their business needs. • Explain how user workflow determines the recommended VDI design • Based on a given customer's current growth strategy, recommend a solution that is able to scale and meet future business needs. • Identify limitations of geography, location and other factors that impact design decisions. • Choose the appropriate consumption model based on customer's technical experience and financial ability • Based on customer parameters demonstrate that a recommended solution delivers the same or better user experience than the current environment
20%	<p>Design and Size:</p> <ul style="list-style-type: none"> • Given a number of users and a workload footprint, determine the number of cores, ram, and disk capacity required • Given a scenario, determine the number of clusters and servers within the clusters to create a minimum VDI environment • Given a scenario, determine any additional infrastructure needed based on the customer's requirements • Given a scenario, determine the number of clusters and servers within to create a HA VDI environment • Describe which components of the VDI solution must be backed up • Describe how a master/golden image should be optimized for performance • Explain the impact of the shared storage IOPs on the boot performance of the VMs • Match service levels to their correct VDI solutions • Recognize the need for a Care Pack • Recommend the correct HPE Storage array solution for a given scenario • Differentiate available HPE Storage arrays • Identify which components are appropriate for the backend of a VDI solution • Identify alternative consumption models, such as GreenLake • Defend an HPE VDI solution against a competitor's solution • Verify if the hardware in a given solution is supported • Identify the advantages of a given VDI solution that includes InfoSight

For more information

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