

# Designing HPE Hybrid IT Solutions

## Exam description

This certification validates a successful candidate's ASE level skills to plan, design, recommend, and demonstrate HPE Hybrid IT solutions and deliver a proof-of-concept for a solution.

## Ideal candidate for this exam

The ideal candidate typically has a minimum of three years of design and/or operational experience or equivalent in at least one of the core HPE areas (server, storage, networking) and six months design and/or operational experience or equivalent in other HPE solutions and technologies.

## 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 – Hybrid IT Solutions Architect V1 (HPE0–S57) Study Guide

## Objectives

This exam validates that you can:

Exam ID	HPE0–S57
Exam type	Proctored
Exam duration	1 hour 30 minutes
Exam length	60 questions
Passing score	62%
Delivery languages	English, Japanese, Korean

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.

Percentage of Exam	Sections/Objectives
9%	Describe, differentiate, and apply industry standard architectures and technologies. <ul style="list-style-type: none"> <li>Describe the most common industry standard workloads and their characteristics/differentiators as they relate to optimizing for performance and/or availability</li> <li>Describe, contrast and differentiate compute, storage and network architectures and how to select and optimize for specific customer workloads</li> <li>Understand datacenter environmental factors</li> </ul>
18%	Gather and analyze customer business and technical requirements <ul style="list-style-type: none"> <li>Identify key customer business, technical and system requirements and outcomes</li> <li>Identify and collect key metrics for infrastructure performance</li> </ul>
25%	Recommend and position HPE Hybrid IT products, solutions, tools, and appropriate services for customer use cases <ul style="list-style-type: none"> <li>Identify and position key HPE solutions and workload offerings with the key alliance partner ecosystem components to the appropriate customer use case</li> <li>Given a customer use case, differentiate and position HPE products for compute elements of the solution</li> <li>Given a customer use case, differentiate and position HPE products for storage elements of the solution</li> <li>Given a customer use case, differentiate and position HPE products for networking elements of the solution</li> <li>Given a customer use case, differentiate and position HPE products for hyper converged elements of the solution</li> <li>Given a customer use case, differentiate and position HPE products for software-defined and cloud elements of the solution</li> <li>Given a customer use case, differentiate and position HPE offerings for services elements of the solution</li> <li>Describe and differentiate tools, RAs, sizers, and github scripts and templates and apply them to the appropriate use case</li> </ul>
39%	Architect and design an HPE solution based on customer needs <ul style="list-style-type: none"> <li>Given a set of customer requirements, select the appropriate HPE and 3rd party products and services for the solution</li> <li>Given a set of customer requirements, design and architect a solution based on the customer requirements</li> <li>Analyze a set of customer requirements and validate that a final solution design meets those requirements</li> <li>Document customer intent and solution design</li> <li>Identify and use the appropriate tools to architect and configure the solution</li> <li>update a proposed solution based on availability, supply constraints, additional or updated requirements, and/or cost.</li> </ul>
9%	Present and Demonstrate the solution to the customer and advise implementation planning <ul style="list-style-type: none"> <li>Present the solution to the customer</li> <li>Describe the customer adoption and use of the solution</li> </ul>

## Sample questions

Sample questions are provided only as examples of question style, format and complexity/difficulty. They do not represent all question types and do not reflect all topic areas. These sample questions do not represent a practice test.

1. A customer wants to combine online transaction processing (OLTP) with online analytical processing (OLAP) on a single platform.

Which technology feature should you recommend?

- a. Scale-up
- b. Scale-out
- c. Erasure Encoding
- d. Data deduplication

2. As part of a modernization project, a customer requires a spine layer switch that supports 100GbE ports and TRILL technology.

Which solution meets the customer's requirements?

- a. HPE FlexFabric 5980
- b. HPE FlexFabric 12902E
- c. Aruba 8400
- d. HPE Composable Fabric FM 3032Q

3. A customer needs to implement an on-premise solution to bridge traditional and cloud-native applications. The infrastructure must offer the use of fluid resource pools made up of compute, storage, and fabric with software-defined

intelligence.

Which solution meets these customer requirements?

- a. HPE Synergy
- b. HPE SimpliVity
- c. HPE Superdome Flex
- d. HPE BladeSystem

## Answers

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

1. A customer wants to combine online transaction processing (OLTP) with online analytical processing (OLAP) on a single platform.

Which technology feature should you recommend?

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2. As part of a modernization project, a customer requires a spine layer switch that supports 100GbE ports and TRILL technology.

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## For more information

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