

# Designing HPE Server Solutions

## Exam description

The Minimally Qualified Candidate (MQC) for Server Architect at the Accredited System Engineer (ASE) level has advanced knowledge of HPE solutions and underlying technologies, which include CPU, memory, disk, power, networking, management subsystems, data center environments, and multi-site configurations. The typical MQC will have worked in the IT industry in an HPE server environment for at least 18 to 36 months.

## Ideal candidate for this exam

The MQC is able to interpret detailed information provided by the customer to make complex judgments on customers' needs for both the present time as well as anticipated future growth. The MQC is able to navigate through the HPE server solution offerings to identify, describe, position, and specify an appropriate solution. The MQC also is able to communicate the purpose, function, market positioning, and capabilities of HPE solutions and services.

## 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 – Server Solutions Architect V4 (HPE0-S54 and HPE0-S55) Study Guide

## Objectives

This exam validates that you can:

|                    |                   |
|--------------------|-------------------|
| Exam ID            | HPE0-S54          |
| Exam type          | Proctored         |
| Exam duration      | 1 hour 30 minutes |
| Exam length        | 60 questions      |
| Passing score      | 66%               |
| 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.

| Percentage of Exam | Sections/Objectives  |
|--------------------|--|
| 55%                | <b>Plan and Design Solutions</b> <ul style="list-style-type: none"> <li>Based on the customer's goal, determine the appropriate information to gather from the customer.</li> <li>Given a scenario, determine an appropriate tool to size, specify, or build a solution.</li> <li>Given a scenario, describe how to generate the customer proposal (for example, Bill of Materials, TCO Report, diagrams, Quote, third-party items, power and cooling statistics).</li> <li>Given a scenario, identify potential design issues with the customer's existing environment.</li> <li>Determine under which circumstances an architect would propose specific industry standard server, storage, network architectures and technologies.</li> <li>Given a customer's long-term vs short-term needs, determine a solution with a possible upgrade path.</li> <li>Given a scenario, describe the service offerings that meet the business and IT objectives.</li> <li>Analyze customer information to determine the gap between the existing customer environment and the documented customer needs.</li> <li>Compare and contrast available HA and DR solutions, match them with the customer's business needs, and available budget.</li> <li>Provide a rationale for a product line within a given solution.</li> <li>Given a scenario, map the solution benefits to the original customer requirements and respond to customer objections raised by key stakeholders.</li> </ul> |
| 20%                | <b>Install, Configure, and Set Up, Solutions</b> <ul style="list-style-type: none"> <li>Evaluate the customer environment to determine POC suitability. (site specific/scenario based)</li> <li>Analyze the success criteria and proposed POC solution to determine the gap between them.</li> <li>Describe the steps for implementing the design.</li> <li>Determine how the design achieves the customer's technical requirements and highlight additional improvements identified during design implementation.</li> </ul>  |
| 10%                | <b>Troubleshoot Solutions</b> <ul style="list-style-type: none"> <li>Given a customer problem, determine an appropriate resolution path.</li> <li>Explain how to use the appropriate tools to identify a problem.</li> <li>Describe the correlation between a remediation and its predicted outcome.</li> </ul>  |
| 15%                | <b>Manage, Monitor, and Maintain Solutions</b> <ul style="list-style-type: none"> <li>Given a customer situation, identify the appropriate management tool to use.</li> <li>Describe the steps for performing common management tasks.</li> <li>Interpret collected data for lifecycle management operations.</li> <li>Interpret collected data to optimize performance and availability.</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.

- What is a requirement for the frames in an HPE Synergy Image Streamer?
  - a minimum of three Synergy frames
  - a single Composer in each Synergy frame
  - redundant Master modules in each frame
  - fully populated Synergy compute modules in each frame
- Which iLO feature allows a customer to use an Android device to troubleshoot ProLiant server issues?
  - iLO Service Port
  - iLO Federation
  - iLO mobile app
  - iLO RESTful API

## Answers

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

- What is a requirement for the frames in an HPE Synergy Image Streamer?

a. a minimum of three Synergy frames

b. a single Composer in each Synergy frame

c. redundant Master modules in each frame

d. fully populated Synergy compute modules in each frame

2. Which iLO feature allows a customer to use an Android device to troubleshoot ProLiant server issues?

a. iLO Service Port

b. iLO Federation

c. iLO mobile app

d. iLO RESTful API

## For more information

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