



Building HPE Server Solutions H1L36S

This course teaches foundational level HPE Server technologies.

Topics include:

- HPE ProLiant Tower Servers (ML Family)
- HPE ProLiant Rack Servers (DL Family)
- HPE BladeSystem Servers (Introduction)
- HPE Synergy (Introduction)
- HPE OneView

Building HPE Server Solutions

Price USD \$2,400

Links to local schedules, pricing and [US/Canada](#)
[Mexico/Latin America](#)
[Brazil](#)

HP course # H1L36S

Category ProLiant

Duration 3 days

Special note

This course is the same as GPE Partner Training Course “Building HPE Server Solutions, Rev. 16.31” (SABA ID = 01069704). The course prepares students for GPE Exam HPE0-S37 and the HPE ATP- Server Solutions V3 Certification.

Audience

- Consultants, Pre-sales Engineers, Sales Engineers, Systems Engineers, Solutions Architects, Administrators, Installation Technicians

Prerequisites

- For complete prerequisites and requirements to achieve any of the related certifications or upgrade paths, see the certification description on the HPE Certification and Learning website.

Course objectives

After completing this course, you should be able to do the following:

- Describe HPE server technologies
- Identify HPE products and add-ons
- Describe HPE market positions
- Explain how HPE servers meet data center challenges
- Explain how HPE servers are managed

Course outline

Module 1: Transforming IT Strategy

- Identify how the approach to IT strategy is changing in the idea economy
- Describe the Hewlett Packard Enterprise (HPE) Composable Infrastructure strategy
- Explain how HPE Transformation Areas reflect what customers consider most important

Module 2: HPE Server Technologies

- Explain how Hewlett Packard Enterprise (HPE) ProLiant server features can help customers manage growth
- Identify the design technologies embedded in ProLiant servers
- Describe HPE infrastructure management solutions, including on-system, on-premise, and on-cloud management offerings

Module 3: HPE ProLiant Tower Servers

- Describe the high-level features of the following HPE servers:
 - ProLiant ML10 Gen9
 - ProLiant ML30 Gen9
 - ProLiant ML110 Gen9
 - ProLiant ML150 Gen9
 - ProLiant ML350 Gen9

Module 4: HPE Rack Server Solutions

- Describe, at a high level, the features and market positions of Hewlett Packard Enterprise (HPE) ProLiant DL servers
- Describe, at a high level, the features and functions of HPE Intelligent Series Racks

Module 5: HPE BladeSystem Solutions

- Explain how HPE BladeSystem solutions meet data center challenges
- Provide an overview of the currently shipping HPE ProLiant server blades
- Describe, at a high level, BladeSystem enclosures and their components, including:
 - HPE Onboard Administrator (OA)
 - Insight Display
 - Interconnect options
 - Storage blades

Module 6: HPE Synergy

- Provide a high-level overview of HPE Synergy
- List and describe the Synergy components and their functions, including:
 - Composer
 - Compute modules
 - Frames
 - Storage modules
 - Fabric
- Describe the Synergy management subsystem and HPE OneView support

Module 7: Managing the Infrastructure

- Explain how to prepare a Hewlett Packard Enterprise (HPE) ProLiant server system for deployment
- Name the tools used during the ProLiant boot process and server configuration
 - System Utilities
 - BIOS/Platform Configuration

- Name the HPE on-system management tools used to prepare a ProLiant system for deployment
 - iLO 4
 - Intelligent Provisioning
 - HPE Smart Update Manager (HPE SUM)/Service Pack for ProLiant (SPP)
 - RESTful interface tool
 - Agentless Management
- Compare the HPE Smart Storage Administrator (SSA) with its predecessor, the Array Configuration Utility. Explain the Hewlett Packard Enterprise (HPE) OneView approach to infrastructure lifecycle management.

Module 8: HPE On-Premise and On-Cloud Management

- Explain the Hewlett Packard Enterprise (HPE) OneView approach to infrastructure lifecycle management
- Describe the architecture of HPE OneView
- Explain how HPE OneView integrates with partner products such as:
 - HPE OneView for VMware vCenter
 - HPE OneView for Microsoft System Center
 - HPE OneView for Red Hat Enterprise Virtualization
- Explain how HPE OneView integrates with HPE Insight Control server provisioning (ICsp)
- Explain how to perform remote management with HPE on-premise and on-cloud management tools
 - HPE iLO Advanced
 - HPE Insight Online
 - HPE Insight Remote Support

Learn more at

hpe.com/us/training/proliant