

HPE Synergy Server Solutions, Rev. 16.21

Course Summary

Description

This course teaches foundation level HPE Server Technologies.

Objectives

At the end of this course, students will have a full understanding of the following topics:

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

Topics

- Transforming IT Strategy
- HPE Server Technologies
- HPE ProLiant Tower Servers
- HPE Rack Server Solutions
- HPE BladeSystem Solutions
- HPE Synergy
- Managing the Infrastructure
- HPE On-Premise and On-Cloud Management

Audience

Typical candidates for this course include:

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

Prerequisites

None

Duration

Three days

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Course Outline

I. *Transforming IT Strategy*

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

II. *HPE Server Technologies*

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

III. *HPE ProLiant Tower Servers*

Describe the high-level features of the following servers:

- A. ProLiant ML10 Gen9
- B. ProLiant ML30 Gen9
- C. ProLiant ML110 Gen9
- D. ProLiant ML150 Gen9
- E. ProLiant ML350 Gen9

IV. *HPE Rack Server Solutions*

- A. Describe, at high level, the features and market positions of HPE ProLiant DL Servers
- B. Describe, at a high level, the features and functions of HPE Intelligent Series Racks

V. *HPE BladeSystem Solutions*

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

VI. *HPE Synergy*

- A. Provide a high-level overview of HPE Synergy
- B. List and describe the Synergy components and their functions,

- including: Composer, Compute modules, Frames, Storage modules, and Fabric
- C. Describe the Synergy management subsystem and HPE OneView support

VII. *Managing the Infrastructure*

- A. Explain how to prepare an HPE ProLiant server system for deployment
- B. Name the tools used during the ProLiant boot process and server configuration
- C. System Utilities
- D. BIOS/Platform Configuration
- E. Name the HPE on-system management tools used to prepare a ProLiant system for deployment
- F. iLO 4
- G. Intelligent Provisioning
- H. HPE Smart Update Manager (HPE SUM)/Service Pack for ProLiant (SPP)
- I. RESTful interface tool
- J. Agentless Management
- K. Compare the HPE Smart Storage Administrator (SSA) with its predecessor, the Array Configuration Utility

VIII. *HPE On-Premise and On-Cloud Management*

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