Hewlett Packard Enterprise

Building HPE Server Solutions H1L36S (01069704)

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

HPE course number	H1L36S
Course length	3 days
Delivery mode	ILT, VILT
View schedule, local pricing, and register	**View now**
WW Portfolio	**View now**

Why HPE Education Services?

- IDC MarketScape leader 4 years running for IT education and training*
- Recognized by IDC for leading with global coverage, unmatched technical expertise, and targeted education consulting services*
- Key partnerships with industry leaders OpenStack®, VMware®, Linux®, Microsoft®, ITIL, PMI, CSA, and (ISC)[2]
- Complete continuum of training delivery options—self-paced eLearning, custom education consulting, traditional classroom, video on-demand instruction, live virtual instructor-led with hands-on lab, dedicated onsite training
- Simplified purchase option with HPE Training Credits

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

*Realize Technology Value with Training, IDC Infographic 2037, Sponsored by HPE, January 2016

Detailed course outline

Module 1: Transforming IT Strategy	• Identify how the approach to IT strategy is changing in the idea economy • Describe the HPE Composable Infrastructure strategy • Explain how HPE Transformation Areas reflect what customers consider most important
Module 2: HPE Server Technologies	• Explain how 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 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 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 – Smart Update Manager (SUM)/Service Pack for ProLiant (SPP) – RESTful interface tool – Agentless Management • Compare the HPE Smart Storage Administrator (SSA) with its predecessor, the Array Configuration

Module 8: HPE on-premise and on-cloud management	• Explain the 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

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