



# Building HPE Server Solutions H1L36S (01069704)

<b>HPE course number</b>	H1L36S
<b>Course length</b>	3 days
<b>Delivery mode</b>	ILT/VILT
<b>View schedule, local pricing, and register</b>	<a href="#">View now</a>
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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

## 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

## Detailed course outline

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### 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

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### 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

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### 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

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### 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

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### 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

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### 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

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### 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
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## Course data sheet

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### 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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