



HPE Innovations for Today's IT Infrastructure H1L35S (00772374)

HPE course number	H1L35S
Course length	1 day
Delivery mode	ILT
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This course provides insight on modern IT demands across use cases such as data center, branch office, mobility, information optimization, business intelligence, and cloud. It provides an understanding of how these demands require increased IT efficiency, performance and quality of service and how servers, storage, and networking can be transformed to meet these demands and enable new innovations. Furthermore, this course demonstrates why a holistic approach to IT and the convergence of previously siloed IT infrastructure domains increases return-on-investment and innovation.

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

Any IT professional who wants to understand critical IT technology trends driving the next era of IT and gain a fundamental understanding of how HPE technologies and solutions more effectively meet modern IT demands and create new opportunities.

Prerequisites

For specific prerequisites and requirements to achieve any of the above certifications, see the certification description on the HPE ExpertOne website.

Certifications (recertification/upgrade path) and related examinations

- HPE ATP—Storage Solutions V1
- HPE ATP—FlexNetwork Solutions V1
- Exam(s): HPE0-J68—HPE Storage Solutions Foundation II
- Exam(s): HPE0-Y46—Implementing HPE Network Technologies
- Exam(s): HPE2-Z26 Fast Track—Implementing HPE Network Technologies
- Exam(s): HPE2-Z25 Delta—Implementing HPE Network Technologies

Detailed course outline

Module 1: Introduction	<ul style="list-style-type: none">• Explain why traditional IT no longer meets the requirements of today's businesses• Explain why IT is converging previously siloed technologies• Describe HPE's Converged Infrastructure strategy and the benefits of adopting the HPE Converged Infrastructure• Describe how the HPE Converged Infrastructure provides a foundation for modern enterprises, data centers, and cloud computing
Module 2: HPE innovations	<ul style="list-style-type: none">• List and describe key HPE innovations for servers, storage, networking, IT management, and IT convergence and cloud
Module 3: Meeting fundamental data center needs	<ul style="list-style-type: none">• Define the characteristics and purposes of a data center• Identify typical challenges that IT staff must overcome when deploying and managing data center solutions• Recognize several HPE technologies and product families that provide the foundation of a scalable HPE Converged Infrastructure data center
Module 4: Meeting business-critical data center needs	<ul style="list-style-type: none">• Define the characteristics and purposes of a business-critical data center• Identify challenges particular to a mission-critical or business-critical environment• Recognize HPE technologies designed to address the specific needs of a business-critical data center
Module 5: Data center at capacity	<ul style="list-style-type: none">• Identify the challenges faced at expanding data centers• Discuss how innovative HPE technologies can meet the needs of an expanding data center and overcome the capacity challenges
Module 6: Cloud	<ul style="list-style-type: none">• Explain the needs of an enterprise moving to the cloud• Define cloud computing and related terms• Explain various cloud service models and cloud deployment models• Describe HPE technologies, products, and solutions specifically targeted for cloud computing environments
Module 7: Workload and workforce mobility	<ul style="list-style-type: none">• Define workload mobility• Define workforce mobility• Identify HPE innovations that overcome challenges to implementing mobility
Module 8: Information optimization and business intelligence (Big Data)	<ul style="list-style-type: none">• Explain the information optimization and business intelligence needs of a typical enterprise• Define real-time analytics and Big Data• Describe HPE technologies, products, and solutions specifically targeted at information optimization and business intelligence
Module 9: Branch office	<ul style="list-style-type: none">• Explain the typical challenges associated with consolidating branch offices• Identify HPE innovations that enable branch office consolidation and ease the associated burden on IT staff• Describe how IT staff can leverage HPE solutions in branch office deployments
Module 10: HPE services, tools, and resources	<ul style="list-style-type: none">• List and describe HPE consulting, outsourcing, and support services• List, position, and describe HPE tools and resources

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