

Architecting Advanced HPE Server Solutions Rev 16.21 (01065896) H1L38S

HPE course number	H1L38S
Course length	3 days
Delivery mode	ILT, VILT
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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

This course teaches advanced level HPE Servers technologies with topics that include: HPE Apollo Servers, HPE Moonshot Servers, HPE Integrity SuperDomeX Servers, Management Tools Customer Engagement Skills.

Audience

Consultants, Pre-sales engineers, Sales engineers, Systems Engineers, Solutions Architects.

- Recognizing Industry Trends
- Gathering Customer Requirements
- Advanced Architecture for Server Solutions
- HPE Apollo Solutions for HPC
- HPE Apollo 4000 for Data-Driven Organizations
- HPE Moonshot Solutions
- HPE Integrity Superdome X Solutions
- HPE Integrity Superdome X Solutions
- Monitoring and Managing HPE Solutions
- Working with Customer Business Financials

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

By the end of the course, you should be able to meet the following objectives:

Detailed Course Outline

Module 1 – Recognize Industry Trends	<ul style="list-style-type: none"> • Describe trends affecting enterprises and explain how these trends lead to the four Transformation Areas. • Describe key business challenges enterprises are facing. • Review the role of a server architect, emphasizing how the architect helps companies. • Provide an overview of the HPE enterprise server solutions covered in this course: <ul style="list-style-type: none"> • Apollo solutions • Moonshot • Integrity Superdome X
Module 2 – Gather Customer Requirements	<ul style="list-style-type: none"> • Identify key decision makers and explain how to engage them in a discussion about the company's business requirements and challenges • Obtain data and documentation required to understand the company's business requirements • Explain best practices for creating requirements statements and documents
Module 3 – Advanced Architecture for Server Solutions	<ul style="list-style-type: none"> • Analyze the special needs of data, High Performance Computing (HPC), and mission-critical workloads • Given a customer's specific requirements, architect a solution for a data, HPC, and mission critical workloads
Module 4 – HPE Apollo Solutions for HPC	<ul style="list-style-type: none"> • Explain the features and benefits of HPE Apollo 2000, 6000, and 8000 solutions • Position HPE Apollo 2000 and 6000 solutions for the right use cases and workloads • Create an implementation plan for an HPE Apollo 2000 or 6000 solution, including plans for the proper performance, scalability, high availability, and management
Module 5 – HPE Apollo 4000 for Data-Driven Organizations	<ul style="list-style-type: none"> • Briefly describe the HPE Apollo 4000 portfolio • Position HPE Apollo 4000 solutions for the right use cases • Create an implementation plan for an HPE Apollo 4000 solution, including plans for the proper performance, scalability, and high availability
Module 6 – HPE Moonshot Solutions	<ul style="list-style-type: none"> • Briefly describe the HPE Moonshot portfolio • Position HPE Moonshot solutions for the right use cases • Explain options and best practices for designing the networking component of an HPE Moonshot solution
Module 7 – HPE Moonshot Workloads	<ul style="list-style-type: none"> • Position HPE Moonshot cartridges for the right use cases and workloads • Create an implementation plan for the following solutions, including plans for the proper performance, scalability, and high availability: <ul style="list-style-type: none"> • Big data and analytics solution • Video processing solution • Mobile workspace solution • Web infrastructure solution
Module 8 – HPE Integrity Superdome X Solutions	<ul style="list-style-type: none"> • Explain the benefits of the HPE Integrity Superdome X and describe its available options • Explain the benefits of nPar and RAS features for HPE Integrity X solutions • Position HPE Integrity Superdome X solutions for the right use cases • Create an implementation plan for HPE Integrity X solutions, including plans for the proper performance, scalability, and fault tolerance, high availability, and manageability
Module 9 – Monitoring and Managing HPE Solutions	<ul style="list-style-type: none"> • Recommend and substantiate the HPE management tools that optimize administrative operations for various customer environments • Explain the benefits of the HPE Representational State Transfer (REST) application program interface (API)
Module 10 – Working with Customer Business Financials	<ul style="list-style-type: none"> • Demonstrate business acumen through an ability to analyze financial statements • Define basic financial terms used when talking with a customer's executive officers • Calculate key performance indicators (KPIs) to analyze a customer's financial health and understand industry and company trends • Use HPE tools analyze a company's financial position

Course data sheet

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hpe.com/ww/learnproliant

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