

Foundations of HPE Storage Solutions Design, Rev 17.11 H9Q00S (01059420)

HPE course number	H9Q00S
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 you how to consult, architect, design and propose solutions from the latest HPE Storage portfolio products. Course content focuses on storage solutions for customers in small to middle sized businesses (SMB) and explains the fundamental technologies in storage solutions design. The course includes case study scenarios and labs. You use the HPE Partner Ready Certification and Learning Labs to complete a small set of hands on exercises with HPE Storage equipment.

Audience

Typical candidates for this course are:

- HPE Channel partners who are interested in learning how to identify opportunities and defining technical requirements for SMB Storage Solutions.
- Presales architects or integrators who want to increase their knowledge and confidence to design the right commercial storage solutions for SMB customers
- Recommended: a minimum of six (6) months of experience in storage technologies

Course Objectives

This course prepares you to:

- Explain the fundamental architectures and technologies of storage solutions
- Describe HPE products and solutions for storage solutions
- Identify customer storage requirements
- Design, validate and propose HPE storage solutions.
- Identify customer storage requirements
- Design, validate and propose HPE storage solution

Detailed course outline

Module 1. The Storage Market and HPE's Transformation Area market strategy	<ul style="list-style-type: none"> • What is driving the storage change • HPE Storage vision and strategy 	<ul style="list-style-type: none"> • Converged infrastructure • Software Defined Storage/HyperConverge
Module 2. SAN Basics – Technical Background	<ul style="list-style-type: none"> • SCSI/SAS basics, RAID basics, SNIA, SAN Types, Topologies , FC-Multiprotocol Routing • Routing Fibre Channel 	<ul style="list-style-type: none"> • iSCSI • Virtual Connect
Module 3. Direct Attached Storage	<ul style="list-style-type: none"> • "The Big Picture" basic theory of operation • Portfolio – Products Overview • Unique features of each product family • Target Customers for each product family • Specifications and Performance Limits 	<ul style="list-style-type: none"> • Factors influencing performance / Sizing guidelines • Best Practices for designing and sizing • Reference Documents • Sizing Tools
Module 4. NAS StoreEasy	<ul style="list-style-type: none"> • "The Big Picture" basic theory of operation • Portfolio – Products Overview (1000 and 3000 series) • Unique features of each product family • Target Customers for each product family • Specifications and Performance Limits 	<ul style="list-style-type: none"> • Factors influencing performance / Sizing guidelines • Best Practices for designing and sizing • Reference Documents • Sizing Tools
Module 5. SAN Storage	<ul style="list-style-type: none"> • "The Big Picture" basic theory of operation • Portfolio – Products Overview • MSA (20%) • StoreVirtual (25%) • StoreServ 8000 series (50%) • StoreServ File Controller / File Persona (5%) • Unique features of each product family (incl. licensing) 	<ul style="list-style-type: none"> • Target Customers for each product family • Specifications and Performance Limits • Factors influencing performance / Sizing guidelines • Best Practices for designing and sizing • Reference Documents • Sizing Tools
Module 6. SAN Infrastructure	<ul style="list-style-type: none"> • "The Big Picture" basic theory of operation • Portfolio – FC Switch Products Overview • Unique features of each product family • Target Customers for each product family • Specifications and Performance Limits 	<ul style="list-style-type: none"> • Factors influencing performance / Sizing guidelines • Best Practices for designing and sizing • Reference Documents • Sizing Tools
Module 7. StoreOnce & Entry Level Tape Libraries	<ul style="list-style-type: none"> • "The Big Picture" basic theory of operation (Backup Challenges, Methods: Snap / Replication / D2D / Tape, Deduplication, Catalyst) • Portfolio –Products Overview (up to but excluding StoreOnce 6000 series) • Unique features of each product family (incl. Licensing) • Target Customers for each product family • Specifications and Performance Limits 	<ul style="list-style-type: none"> • Factors influencing performance / Sizing guidelines • Data Protector Software (incl. licensing) • Best Practices for designing and sizing • Reference Documents • Sizing Tools

Learn more at

<http://www.hpe.com/ww/learnstorage>

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