

HPE Storage Solutions, Rev. 25.11 (0001207683)

H61M3S

Course ID	H61M3S
Duration	5 days
Format	ILT/VILT
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HPE Storage Solutions teaches you how to identify, recommend, and explain HPE storage solution products, architectures, and technologies with a focus on single-site solutions. You learn how to translate business requirements into storage solution designs that support applications and data across physical, virtual, and cloud environments with a common architecture and converged management. The course covers how to design HPE backup solutions, including HPE GreenLake offerings and HPE partner data protection software, and teaches HPE Storage management, monitoring, and tuning. The course also teaches networking of HPE Storage solutions, explaining the HPE StoreFabric portfolio, SAN, and fibre channel.

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Audience

This course is ideal for channel partners, customers, and HPE team members who interpret customer requirements to design, install, configure, and manage HPE storage and backup solutions.

Prerequisites

Before attending this course, you should have completed the HPE Hybrid Cloud Solutions (H61X0S) course.

Course objectives

After completing this course, you should be able to:

- Recommend storage-focused HPE GreenLake services

- Differentiate and describe storage architectures and technologies
- Provide an overview of and recommend HPE Storage products
- Classify storage networking architectures and technologies
- Identify and analyze data protection technologies
- Customize HPE StoreOnce solutions
- Distinguish and describe backup software solutions and services
- Demonstrate advanced administering and monitoring tools
- Upgrade, optimize, and tune HPE Storage and backup solutions

Certifications and related exams

This course prepares you for the HPE Storage Solutions exam (HPEO-J68), which is required for HPE ASE – Storage Solutions certification.

Detailed course outline

Module 1: HPE Value Proposition

- Classify HPE Storage solutions
 - HPE Alletra Storage MP B10000
 - HPE Alletra Storage MP X10000
 - HPE Alletra Block Storage for AWS
 - HPE Alletra 5000
 - HPE Alletra 4000
 - HPE Alletra dHCI
 - HPE XP
 - HPE StoreOnce
 - HPE Sovereign Cloud
- Recommend HPE GreenLake services with a focus on storage
 - HPE GreenLake for File Storage
 - HPE Data Services Cloud Console
- Locate and examine HPE information resources

Module 2: Storage Architectures and Technologies

- Distinguish storage array concepts and technologies:
 - HPE Alletra Storage MP hardware platform
- HPE Alletra Storage MP X10000
- Selective storage presentation
- Virtualization
- Data reduction

Module 3: HPE Block Storage

- Distinguish and make recommendations from the HPE block storage portfolio, explain ideal use cases, building blocks, features, management and monitoring options, and the capabilities of the following arrays:
 - HPE Alletra Storage MP B10000
 - HPE XP Storage

Module 4: HPE Hyperconverged Solutions

- Describe options and benefits of HPE GreenLake for Private Cloud Business Edition
- Recommend and explain HPE Alletra dHCI architecture, deployment paths, and concepts
- Recommend and describe the HPE SimpliVity product family, architecture, deployment paths, and concepts
- Recommend and discuss HPE VM Essentials architecture, prerequisites, integrations, and features

Module 5: HPE Storage Solutions Management, Monitoring, and Reporting

- Explain management and monitoring protocols
- Differentiate and give examples of available HPE Storage management, monitoring, and reporting tools and platforms

Module 6: HPE Data Protection Solutions: Theory and Hardware

- Distinguish and describe data protection theory and definitions
- Recognize HPE Storage local replication options
- Differentiate and recommend HW, features, monitoring and licensing options of HPE StoreOnce
- Plan a data protection strategy

Module 7: HPE and Partner Data Protection Software and Services

- Position HPE and partner data protection solutions
- Differentiate and describe Veeam® Backup and Replication data protection software and how it integrates with HPE solutions
- Overview how HPE Zerto can reduce data loss and downtime

Module 8: Networking Elements of an HPE Storage Solution

- Differentiate SAN protocols and discuss the benefits of each
- Demonstrate the most important FC services running within FC-based SAN networks
- Determine the host role within a SAN
- Distinguish products and management options within the HPE StoreFabric portfolio and describe the components that make up a SAN:
 - HPE StoreFabric M-series switches
 - HPE StoreFabric B-series switches
 - HPE StoreFabric C-series switches

Module 9: Upgrading, Optimizing, and Tuning HPE Storage and Backup Solutions

- Recommend data reduction optimizations
- Plan hardware and software upgrades and perform post-upgrade procedures
- Outline scaling and updating process
- Demonstrate tuning and best practices



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