Hewlett Packard Enterprise

Advanced HPE Storage Solutions, Rev. 24.31 (0001207681)

H61M4S

Course ID	H61M4S
Duration	5 days
Format	ILT, VILT
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Advanced HPE Storage Solutions is 30% lectures and 70% activities. This course teaches you how to identify, recommend, and explain HPE Storage solution architectures and technologies for complex and multi-site solutions . It also covers how to plan, design, administer, and operate complex HPE Storage solutions.

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Audience

Typical candidates for this course have 7 – 10 years of design and implementation experience with infrastructure solutions for specific workloads to achieve customer business outcomes. This experience includes architecting server, storage, networking, and management offerings to optimize those workloads' resiliency, availability, performance, and manageability.

Course objectives

After completing this course, you should be able to:

- Differentiate the functions, features, and capabilities of HPE Storage products
- Understand and propose HPE Storage products, solutions, design components, and warranty/service offerings
- Evaluate the storage market and recognize competitive opportunities to apply HPE storage solutions to meet customer needs
- Plan and design HPE storage solutions
- Performance-tune and optimize existing complex and/or multi-vendor HPE solutions
- Troubleshoot relevant enterprise storage failures and advocate for customer interests
- Administer, operate, manage, and monitor complex and/or multi-vendor HPE Storage solutions

Certifications and related exams

This course prepares you for the Advanced HPE Storage Solutions certification practical exam (HPE1-H03) or Advanced HPE Storage Solutions certification written exam (HPE8-M02), required for the HPE Master ASE – Storage Solutions certification.

Detailed course outline

Understanding Customer Needs and Storage Workloads	• Position and describe the HPE Storage portfolio, and determine which solution you should recommend to your customer	• Position and describe the HPE Data Protection portfolio, and determine which solution you should recommend to your customer
Protecting Workloads with Replication	• Recommend VMware® Virtual Volumes (vVols) technology and support for remote replication and demonstrate vVols integrations • Implement and describe the key features and advantages of HPE Primera, HPE Alletra 9000, and HPE GreenLake for Block Storage replication	• Analyze HPE Alletra 5000/6000 replication and its benefits in a disaster recovery situation
Achieving High Availability with Peer Persistence	• Recommend and describe the key features, benefits, and advantages of HPE Primera, HPE Alletra 9000, and HPE GreenLake for Block Storage Peer Persistence • Examine and describe the HPE Alletra 5000/6000 scale-out concepts	• Distinguish Alletra 5000/6000 Peer Persistence concepts • Automatic switchover scenarios • Differentiate other high-availability and disaster-tolerant solutions
File and Object Storage Solutions	• Describe the current market and position the file and object solutions • Evaluate and describe HPE GreenLake for File Storage	• Differentiate and recommend the HPE Apollo and HPE Alletra 4000 platforms used for SDS solutions • Differentiate and recommend products and features of SDS solutions
Administering HPE GreenLake for File Storage with HPE Alletra MP	• Summarize how third-party applications can be integrated with HPE StoreOnce Catalyst Store • Describe and recommend VTL/NAS Replication and Catalyst Copy solutions as well as disaster recovery scenarios	• Differentiate and explain the HPE StoreOnce cloud integrations
Integrating Data Protection and HPE Solutions	• Differentiate protection options of HPE GreenLake for Disaster Recovery:	• Compare and recommend Veeam® integrations with HPE Storage arrays and HPE StoreOnce
Working with Containers	• List and discuss HPE Storage solutions for containers with a focus on Kubernetes	• Recommend HPE GreenLake for Containers and describe its benefits
Planning Multisite Networking	• ISL bandwidth aggregation • SAN extension protocols • FC-FC routing	• Fabric partitioning • SAN security
Moving Data Between Systems	• Ask your customer appropriate questions about their impending storage migration and discuss data migration concepts	• Compare and recommend data migration options available for HPE Storage owners
Planning and Designing Storage Elements of an HPE Solution	• Summarize architecting methodology and financial aspects of a deal • Locate and examine HPE assessment resources, sizing resources, and tools	• Plan and size storage, backup, and SAN solutions

Learn more at

hpe.com/ww/learnstorage

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