

Designing HPE Storage Solutions, Rev. 18.31

Course description

This course teaches students how to identify, recommend, and explain Enterprise Storage Solutions architectures and technologies, and 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 also covers designing HPE Backup Solutions including the right Backup, Recovery, and Archive (BURA) strategies for various customer scenarios.

The course uses participant centered learning and hands-on emulators. Emulators use software to replicate HPE Storage technologies and allow learners to engage in lab activities using web based resources.

Ideal candidate for this course

Typical candidates for this course are HPE presales architects and integrators or HPE channel partners who identify opportunities and define technical requirements for SMB Storage Solutions. It is recommended that candidates have a minimum of one to three (1-3) years of experience in storage technologies.

Suggested prerequisites

Building HPE Storage Solutions, Rev. 18.31 or Building HPE Data Center Solutions 17.41

Topics

- **HPE storage enterprise market**
 - Describe the HPE Storage Strategy in the Idea economy
 - Summarize Storage trends
 - Explain HPE Solutions
 - Identify HPE Converged and Composable Infrastructure
- **HPE storage portfolio**
 - Identify the HPE Storage Portfolio
 - Explore the HPE Management tools
 - Summarize HPE Software
 - Discuss HPE 3PAR Operating system features
- **Virtualization, fabrics and Converged Management**
 - Discuss the fundamentals of virtualization
 - Explain the benefits of HPE Virtual Connect for BladeSystems
 - Describe SAN Fabric Topologies
 - Identify the virtualization management capabilities provided by HPE OneView
 - Describe HPE Hyper-Converged systems and the benefits they provide
 - Identify HPE Composable Infrastructure
- **HPE storage services**
 - HPE Partner Ready Delivery Services program
 - Packaged service levels, including HPE Foundation Care, HPE Proactive Care, HPE Proactive Care Advanced, and HPE Datacenter Care
 - HPE Solution Consulting Services
 - HPE Financial Services
 - POINTNEXT Services

Course ID	01113246
HPE product number	H9TH3S
Course format, Typical duration	Select one: VILT - Virtual Instructor Led, 5 days ILT - Instructor Led, 5 days
Skill level	Intermediate
Delivery languages	English
Lab required	Yes
Related certifications	<ul style="list-style-type: none"> • HPE ASE - Storage Solutions Architect V3
In preparation for these exams	Selected items from this course are included in these exams: <ul style="list-style-type: none"> • Designing HPE Storage Solutions

[Register for this course.](#)

Find this course offering in the Training calendar. Click "Register" to take the course in The Learning Center. Login and Password required.

- **Planning HPE storage solutions**
 - Choosing the most appropriate drive type
 - Describe planning a RAID configuration
 - Identify Drive I/O and Performance
 - Describe SAN design principles and considerations
 - Explain planning an HPE Flex-10 and FlexFabric design
 - Discuss considerations when configuring a HPE 3PAR StoreServ 9000
 - Provide an overview of HPE Reference Architectures

- **Staging an effective storage consulting engagement**
 - Describe the goals of HPE presales consultants and storage architects
 - Identify Consultative selling
 - Explain how to use HPE sizing and planning tools during a consulting engagement
 - List the available return on investment and total cost of ownership tools
 - Direct others to HPE resources online
 - List steps for a Proof of Concept test

- **Administering and monitoring HPE storage solutions**
 - HPE 3PAR StoreServ systems
 - HPE StoreOnce systems
 - HPE Nimble Storage systems
 - Infrastructure monitoring tools

- **Upgrading, optimizing, and tuning HPE storage solutions**
 - Upgrade HPE 3PAR StoreServ system
 - Upgrade HPE Nimble system
 - Upgrade HPE StoreOnce system
 - Optimize HPE Storage systems
 - Tune HPE 3PAR StoreServ
 - Update HPE 3PAR Operating system
 - Update HPE 3PAR Service processor

- **HPE backup solutions**
 - Discuss the key components of the HPE StoreOnce portfolio
 - Explain the features of Catalyst and Deduplication technologies
 - Identify features and benefits of RMC
 - Identify features and benefits of StoreOnce Operating System
 - Describe the benefits of HPE StoreEver Tape solutions

- **Designing HPE BURA solutions**
 - Describe availability and downtime
 - Identify data tiering and retention
 - Describe archiving solutions from HPE
 - Describe backup strategy planning
 - Discuss the features of software used to support HPE BURA solutions

Objectives

After you successfully complete this course, expect to be able to:

- Describe the HPE Storage Strategy in the Idea economy
- Identify HPE Converged and Composable Infrastructure
- Explore the HPE Storage Management tools
- Discuss HPE 3PAR Operating system features
- Discuss the fundamentals of virtualization
- Explain the benefits of HPE Virtual Connect for BladeSystems
- Describe SAN Fabric Topologies
- Identify the virtualization management capabilities provided by HPE OneView
- Describe HPE Hyper-Converged systems and the benefits they provide
- Identify HPE Composable Infrastructure
- Describe planning a RAID configuration
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- Explain planning an HPE Flex-10 and FlexFabric design

- Discuss considerations when configuring a HPE 3PAR StoreServ 9000
- Provide an overview of HPE Reference Architectures
- Describe the goals of HPE presales consultants and storage architects
- Explain how to use HPE sizing and planning tools during a consulting engagement
- List the available return on investment and total cost of ownership tools
- Describe backup strategy planning
- Discuss the features of software used to support HPE BURA solutions

How to register

View the [Certification and Learning Global Training Calendar](#) to register for the training offerings that best meets your needs.

Policies, fees and cancellations

Course fees may vary and are established and collected by the training center delivering the course. Cancellation fees may apply. Contact your HPE Authorized Training Partner for their respective policies.

For more information

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