



HP TRAINING

Managing Hpe 3par Storserv I

Learn to efficiently manage HPE 3PAR StoreServ I storage arrays. Master administration, configuration, and maintenance for optimal performance.

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This "Managing HPE 3PAR StoreServ I" course is meticulously designed for IT professionals seeking to master the administration and optimization of HPE's robust 3PAR StoreServ storage systems. Participants will gain comprehensive knowledge of the 3PAR architecture, including its unique Thin Provisioning, autonomic groups, and Mesh-Active controller technology. The curriculum delves into the practical aspects of managing these systems, covering essential tasks such as array setup, logical disk management, volume creation, host connectivity, and snapshot implementation. This course is crucial for anyone looking to efficiently manage high-performance, tier-1 storage solutions in enterprise environments, laying a solid foundation for advanced storage management. Upon completion, students will be proficient in leveraging the HPE 3PAR Management Console (SSMC) and Command Line Interface (CLI) to provision storage, ensure data availability, and monitor system health. The course equips IT administrators and storage specialists with the skills to effectively configure virtual volumes, implement advanced data services like snapshots and remote copies, and perform routine maintenance. Mastering HPE 3PAR StoreServ management enhances an individual's value in data center operations, ensuring optimal storage utilization, performance, and resilience for critical business applications.

Level	Intermediate
Vendor	HP

COURSE CURRICULUM

01 Module 1: HPE 3PAR StoreServ Architecture and Setup

- Introduction to HPE 3PAR StoreServ family and models
- Key architectural components: Nodes, CPGs, RAID levels, drives
- Understanding Thin Provisioning, Thin Deduplication, and Thin Clones
- Initial system setup and configuration overview
- Management interfaces: SSMC and CLI introduction and navigation

02 Module 2: Basic Provisioning and Host Connectivity

- Creating Common Provisioning Groups (CPGs)
- Provisioning virtual volumes (VVs) and virtual volume sets
- Understanding host persona and host definitions
- Configuring host connectivity (Fibre Channel, iSCSI)
- Mapping virtual volumes to hosts and host sets

03 Module 3: Data Protection and Advanced Features

- Implementing Snapshots for local data recovery and backups
- Configuring Remote Copy for disaster recovery (synchronous/asynchronous modes)
- Understanding Virtual Domains and security segmentation
- Introduction to Dynamic Optimization and Adaptive Optimization
- Utilizing Priority Optimization for QoS management

04 Module 4: Monitoring, Reporting, and Basic Troubleshooting

- Monitoring system health and performance using SSMC and CLI
- Analyzing performance metrics: latency, IOPS, bandwidth, capacity utilization
- Configuring alerts and notifications for critical events
- Basic troubleshooting techniques for common issues (e.g., host connectivity, volume access)
- Log analysis and support reporting procedures

Module 5: Maintenance and Best Practices

- 05**
- Performing routine maintenance tasks and health checks
 - Understanding firmware upgrades and best practices
 - Capacity planning and growth management strategies
 - Security best practices for 3PAR environments
 - Review of common administration challenges and solutions

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Enterprise Storage Administrator (HPE 3PAR Specialist)**
- > **Data Center Operations Engineer**
- > **Storage Solutions Architect**

FREQUENTLY ASKED QUESTIONS

Q: What specific HPE 3PAR management tools will I become proficient with after completing this course?

This course focuses heavily on practical application using both the HPE 3PAR StoreServ Management Console (SSMC) for graphical administration and the powerful Command Line Interface (CLI) for advanced scripting and detailed control. You will gain hands-on experience with both interfaces to perform all key administrative tasks, from provisioning to performance monitoring and troubleshooting.

Q: Is prior experience with storage area networks (SANs) or HPE storage systems required as a prerequisite for this "Managing HPE 3PAR StoreServ I" course?

While not strictly mandatory, a foundational understanding of SAN concepts, including Fibre Channel and iSCSI protocols, as well as general server and operating system knowledge, will be highly beneficial. This intermediate-level course assumes some familiarity with data center infrastructure and will build specifically on 3PAR architecture and management from the ground up.

Q: Beyond basic volume provisioning, what advanced data services or optimization techniques will I learn to implement with HPE 3PAR StoreServ after this training?

This course covers essential advanced data services such as creating and managing snapshots for rapid data recovery and configuring Remote Copy for robust disaster recovery solutions. You will also be introduced to performance optimization concepts like Dynamic Optimization and Adaptive Optimization, and learn to utilize Priority Optimization to fine-tune storage performance and ensure Quality of Service (QoS) for critical applications.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

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Take the next step in your technology career.

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