

# Managing HPE 3PAR StoreServ I

Course code: HK902S

This course reviews HP 3PAR hardware and architecture along with providing administrators insight into the constructs within the HP 3PAR array family. Topics include Management Console (MC) and Command Line Interface (CLI), Common Provisioning Groups, Thin Provisioning, data encryption used by self-encrypting drives and Virtual Lock. Dynamic Optimization and Adaptive Optimization are also discussed. Virtual Copies and Physical Copies are addressed as well. The course is approximately 50 percent lecture and 50 percent hands-on labs using HP 3PAR arrays. Note: hosts used are MS Windows.

## Who is the course for

This course is intended for StoreEasy customers, HPE Services field engineers, call center personnel, Presales and Channel Partners and other field personnel who provide installation and/or operational support assistance for HPE StoreEasy and 3PAR StoreServ File Controller Servers.

## What we teach you

After completing this course, the student should be able to:

- Explain the HPE 3PAR current hardware offerings: 20000 series, 8000 series, and 7000 series
- Explain the numbering schemes for the HPE 3PAR hardware components: controllers, ports, and physical disks
- Use the StoreServ Management Console (SSMC) GUI and the CLI to perform administrative tasks
- Create and work with a Common Provisioning Group (CPG)
- Administer Virtual Volumes using the SSMC and the CLI
- Understand the advantages of Thin Provisioning and create a Thin Provisioned Virtual Volume (TPV)
- Understand the advantages of Dedup and Compression for storage allocated from SSDs
- Export and un-export virtual volumes from hosts
- Use HPE 3PARinfo to analyze luns presented to hosts
- Use Host Explorer to simplify addition of hosts
- Use Host Sets and Volume Sets to simplify provisioning storage
- Create a Snapshot and promote (restore) from a Snapshot
- Create a Clone and promote a Clone
- Convert a Virtual Volume (i.e. from fully provisioned to thin provisioned or thin provisioned to thin dedup or vice versa)
- Use the SSMC reporting feature to monitor capacity and performance

## Required skills

- An understanding of general storage concepts including fibre channel technology and RAID
- Operator level functionality in a Windows environment
- Please register here to access to the H6LH4AAE Pre Study for Managing HPE 3PAR StoreServ I

## Course outline

H6LH4AAE Pre Study for Managing HPE 3PAR StoreServ I

HPE 3PAR Solution Introduction and Review

Storage Concepts and Terminology

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# Managing HPE 3PAR StoreServ I

Storage Configuration

Host Connectivity and Storage Allocation

Host Sets and Virtual Volume Sets

Thin Features: A Deep Dive

Adaptive Data Reduction for Flash: Dedup and Compression

Snapshots and Clones

Reporting: Performance and Capacity

Introducing HPE InfoSight

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