



# Managing HP 3PAR StoreServ II

## Course description

This course covers Remote Copy, System Reporter, Adaptive Optimization, and Peer Motion. Additional topics include best practices: performance, cost, and high availability along with the new EVA to HP 3PAR Online Migration feature. Hands-on lab exercises help illustrate the concepts learned.

This course is 60 percent lecture and 40 percent hands-on labs using HP 3PAR arrays. In some cases students will partner with other students for hands-on labs. Two appendices in the student guide include HP 3PAR Cluster Extension (CLX) and Recovery Manager. These will be covered time permitting and are generally regarded as "read-only" material. There are no hands-on labs for these topics.

<b>Course ID</b>	00776792
<b>HP product number</b>	HK904S
<b>Course format</b>	ILT
<b>Typical Course length</b>	2 days
<b>Delivery languages</b>	English, German

[Register for this course.](#)

Find this course in the Training calendar and click the "Register" link in the last column to begin your registration.

## Who should attend

Technical Consultants and HP 3PAR administrators who desire training on specific concepts and best practices needed to administer the array.

## Prerequisites

• Managing HP 3PAR Disk Arrays (HK902S) or an understanding of HP 3PAR disk array concepts (CPG, VV, VLUN).

For complete prerequisites and requirements to achieve any of the related certifications or upgrade paths, see the certification description on the HP ExpertOne website.

## Topics

- Remote Copy (RC)
  - RC key features, benefits, and advantages
  - Different types of RC implementations
  - Synchronous, periodic asynchronous, and Synchronous Long Distance (SLD) modes
  - Different failure scenarios
  - Failover of a Remote Copy Group (RCG)
  - Using Management Console GUI and CLI to perform RC tasks
- System Reporter
  - System Reporter overview and components
  - Quick, custom, and scheduled reports
  - Configuring email alerts
  - Using the database sizing spreadsheet
- Adaptive Optimization
  - Adaptive Optimization benefits and architecture
  - Adaptive Optimization and Dynamic Optimization
  - Adaptive Optimization implementation and configuration
  - SSDs, fibre channel, and Near-Line (NL) drives
  - Working with AO using Management Console and the CLI
  - Adaptive Optimization reports available within Management Console
- Best Practices: Performance, Cost, and Availability
  - Best practices overview
  - Local read and write vs. remote read and write
  - Individual component performance
  - RAID impact on overall performance, cost, and availability
  - HP 3PAR caching algorithms
  - CLI stat commands for troubleshooting HP 3PAR performance issues
  - MC Performance Manager capabilities
  - System Tuner capabilities
- Data Migration: Peer Motion and EVA to HP 3PAR Online Import
  - Peer Motion purpose and benefits
  - Configuration rules
  - Administering a Peer Motion configuration
  - EVA to HP 3PAR online migration concepts

## Objectives

After completing this course, you should be able to do the following:

- Understand the difference between Synchronous, Periodic Asynchronous, and Synchronous Long Distance (SLD) modes
- Perform a failover of a Remote Copy Group (RCG)
- Use Management Console 4.3 GUI and the CLI to manage Remote Copy
- Use System Reporter quick reports, custom reports, and scheduled reports
- Configure email alerts in System Reporter
- Set up an Adaptive Optimization (AO) configuration
- Know how SSDs, Fibre Channel (FC), SAS (FC – Fast Class) and Near-Line (NL) drives fit into an AO tiered storage solution
- Use the AO reports in System Reporter and the new AO reports in Management Console 4.3
- Describe RAID impact on overall performance, cost, and availability
- Understand the HP 3PAR caching algorithms
- Use the CLI stat commands for troubleshooting HP 3PAR performance issues
- Use the System Tuner capabilities
- Administrate a Peer Motion configuration

## How to register

Click on this link to register for this course: [Register for this course.](#)

## 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 HP Authorized Training Partner for their respective policies.

## For more information

HP ExpertOne: [www.hp.com/go/ExpertOne-ContactUs](http://www.hp.com/go/ExpertOne-ContactUs)

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