
Managing HPE 3PAR StoreServ II: Optimizing and Remote Replication

Duration: 2 Days Course Code: HK904S

Overview:

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. The two-day course is 50 percent lecture and 50 percent hands-on labs using HP 3PAR arrays. In some cases students will partner with other students for hands-on labs.

Target Audience:

HP 3PAR administrators who desire additional training on more features and concepts of the HP 3PAR disk array.

Objectives:

- At the conclusion of this course you should be able to:
 - 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
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Prerequisites:

- An understanding of HP 3PAR disk array concepts (CPG, VV, VLUN) and
 - Operating system administration training/experience and
 - SAN and storage technologies training/experience
 - HK902S - Managing HPE 3PAR StoreServ I: Management and local replication
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Content:

Remote Copy (RC)

- Different types of RC implementations
- Synchronous, periodic asynchronous, and Synchronous Long Distance (SLD) modes
- Different failure scenarios
- Failover of a Remote Copy Group (RCG)

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
- Adaptive Optimization reports available within System Reporter

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

Peer Motion and EVA to HP 3PAR Online Import Migration

- Peer Motion purpose and benefits
- Configuration rules
- Administering a Peer Motion configuration
- EVA to HP 3PAR online migration concepts

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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