Managing HPE 3PAR StoreServ I Management and local replication Training

Duration: **3 Day**

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Overview

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.

Non-Objectives

The following topics are not included in this course:

- Hands-on hardware installation
- Hands on with hardware
- Array installation
- Service processor
- Hands-on Peer Motion
- On-line Import
- VMware labs
- Upgrades
- Adaptive Optimization

Prerequisites

- An understanding of general storage concepts including fibre channel technologies, and RAID.
- Operator level functionality in a Windows environment. (Labs are performed on a Windows host.)

Who Should Attend?

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

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What You Will Learn

- Explain the HP 3PAR current hardware offerings: including the 7000 series, 7000c series, and the V-Series (10000)
- Know the numbering schemes for the HP 3PAR hardware components (controllers, physical disks, ports)
- Understand data flow and communication concepts in an HP 3PAR controller node
- Use Management Console and CLI and SSMC to perform administrative tasks
- Set-up a Common Provisioning Group (CPG)
- Create a Thin Provisioned Virtual Volume (TPVV) and a Thin Dedup Virtual Volume (TDVV)
- Use Autonomic Groups (Host Sets and Volume Sets) to simplify provisioning storage
- Change volume RAID, availability, and service levels using DynamicOptimization
- Work with Virtual Lock for Virtual Volumes and Snapshots
- Administer Virtual Volumes using the CLI, SSMC, and Management Console to manage space
- Create a Virtual Copy Volume (Snapshot)
- Convert a Virtual Volume from fully-provisioned to thin-provisioned
- Use HP 3PAR info to analyze luns presented to hosts