

Managing HPE StoreOnce Backup Solutions

Learn via: **Classroom**

Duration: **2 Day**

<https://bilginc.com/en/training/managing-hpe-storeonce-backup-solutions-3073-training/>

Overview

Managing HP StoreOnce Backup Solutions covers the HP StoreOnce backup products, including the single node appliances, the clustered appliances, and the Virtual SAN Appliance (VSA). In this course we discuss the range of products in the product line, and explain concepts, installation, and use. The course includes hands-on labs using HP StoreOnce appliances. This course is updated to include the new, advanced features of the products.

Prerequisites

- Basic Windows administration experience and
- Basic understanding of SCSI, iSCSI, RAID, fibre channel, Backup, and SAN technologies

Audience

StoreOnce customers, HP Services field engineers, call center personnel, presales and channel partners, and other field personnel who provide installation and/or operational support assistance

What You Will Learn

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

- Describe the major hardware and software components of the StoreOnce Product line
- Describe important StoreOnce product concepts
- Explain the importance and advantages of deduplication
- Configure StoreOnce devices for initial use
- Create Virtual Tape Libraries (VTL) and NAS shares
- Configure replication between two StoreOnce devices
- Configure Catalyst Stores
- Perform basic troubleshooting and maintenance procedures

Outline

Module 1: Product Introduction

- StoreOnce backup systems
- New StoreOnce product features and benefits
- HP StoreOnce family comparison
- Features in HP StoreOnce 6000 models

Module 2: Virtual Tape Libraries

- HP StoreOnce (D2D) backup systems
- Choosing VTL vs NAS
- Virtual Tape Libraries (VTL)
- iSCSI and fibre channel connections to VTL
- Flexible emulations

Module 3: Catalyst

- HP StoreOnce Catalyst overview and API
- HP StoreOnce Catalyst in Data Protector

Module 4: NAS Shares

- NAS shares and server configuration
- CIFS authentication methods
- StoreOnce NAS limitations

Module 5: HP StoreOnce Deduplication

- Deduplication: what is it and key benefits
- Deduplication: data locality and ratios
- Housekeeping and scheduling
- Limiting housekeeping Windows

Module 6: Installation

- Installing the StoreOnce devices
- Available connections
- Licensing
- Installation of 6000

Module 7: Web Management Interface

- HP StoreOnce - web management GUI login
- HP 6000 - web management GUI
- HP StoreOnce - web management GUI - VTL, interface, NAS shares and replication
- Managing NAS shares - active directory

Module 8: High Availability with b6000 Cuplets

- Terminology and basic concepts
- High availability with autonomic failover
- Node failover
- Systems network configuration
- Network bonding
- b6000 node failback and CLI commands

Module 9: Replication

- Definition and replication granularity
- Replication fan-out and fan-in
- Bi-directional replication
- Seeding the replication target
- Replication recovery
- Making replication targets visible to host
- NAS replication and 'seeding'
- VTL and NAS replication and configuration

Module 10: StoreOnce Enterprise Manager

- Reporting Capabilities
- Deployment of StoreOnce VSA

Module 11 Catalyst Advanced Features

- Teamed Catalyst
- Catalyst over Fibrechannel

Module 12: Best Practices

- General best practices
- Flexible emulations best practices
- StoreOnce replication best practices
- NAS share best practices
- Physical tape offload methods

Module 13: Troubleshooting

- FAQs
- Power / boot and connection problems
- Disk errors and warnings
- Backup or disk space problems
- Miscellaneous issues

Appendix A

- Installation of the StoreOnce VSA

Appendix B

- Security Pak Features

Appendix C

- Advanced Networking Features

Appendix D

- Introduction to StoreOnce Recovery Manager Central