



HPE StoreVirtual Storage Administration and Configuration HK364S

The HPE StoreVirtual course is a comprehensive technical-based training course that teaches the skills needed for planning, installing, configuring, and managing HPE StoreVirtual storage area networks (SANs). Learning concepts are reinforced through a series of comprehensive labs. This training reflects LH OS 12.5.

HPE StoreVirtual Storage Administration and Configuration

Price USD \$1,800

Links to local schedules, pricing and [US/Canada](#)
[Mexico/Latin America](#)
[Brazil](#)

HP course # HK364S

Category Storage

Duration 2 days

Audience

- This course is intended for Storage Administrators

Prerequisites

- Basic networking
- Advanced knowledge of Windows Servers

Course objectives

- Explain the architecture of HPE StoreVirtual SAN solution
- Plan and install networks of Storage Systems, including multi-site installations providing High Availability / Disaster Recovery
- Configure Storage Systems for initial connection
- Install and use the HPE StoreVirtual Consolidated Management Console (CMC) for Windows
- Configure and manage the SAN array
- Mount the SAN Volumes from Windows 2003, Windows 2012, or VMware vSphere 5.1i

Course outline

Storage Product Suite Overview

- List the components of the HPE StoreVirtual suite
- Discuss the function of the HPE StoreVirtual suite components
- Describe Left Hand OS Software

Centralized Management Console

- Install the Centralized Management Console
- Understand Management Console user interface
- Use the Content Pane to verify the status of modules

Basic Configuration

- Install and set IP/hostname
- Configure storage systems
- Manage the Networks settings
- Understand how to configure and use SNMP

Management Group and Clusters

- Explain the purpose of Managers and Management Groups
- How to create, edit, and delete Management Groups
- How to create local administrative groups and users
- Identify the purpose and requirements for a virtual Manager
- Understand the purpose of Managers
- Explain the purpose of Clusters
- How to create, edit, delete, and view Clusters
- Understand the virtual IP address and its use
- Understand other Cluster-related configuration functions

Working with Volumes

- Planning Volumes
- Prerequisites for Volumes
- Volume growth capacity
- Create and view Volumes
- Edit/delete Volumes
- Left Hand OS network RAID

Connecting the Volume via iSCSI

- Understanding iSCSI
- Installing the initiator
- Creating “Server Profiles”
- Connecting the Volume
- Formatting the drive

HPE StoreVirtual SAN & Microsoft MPIO support

- HPE Storage DSM for MPIO
- HPE Storage MPIO
- Configure NICs for failover

LeftHand OS Snapshots

- Snapshot Overview
- Snapshot Architecture
- Using a Snapshot
- Creating a Snapshot Single
- Rolling back a Snapshot
- Scripting Snapshot operations

SmartClone Volumes

- StoreVirtual SAN SmartClone

Remote Copy

- Remote copy software
- Remote copy planning
- Create, edit, delete, view, or cancel a remote copy operation
- Remote copy workarounds

Using HPE Storage LeftHand OS with VMware vSphere

- HPE Storage and VMware advantages

HPE LeftHand OS Multi-Site HA/DR Solution Pack

- Purpose of LeftHand OS Multi-Site HA/DR Solution Pack

Onboard Performance Monitoring

- Understanding performance statistics
- Adding, removing statistics
- Exporting data
- Statistics log

Performance Tuning and ISCSI SAN for Applications

- Important performance factors
- Use HPE Storage performance guidelines when planning and implementing an IP SAN solution

Best Practices

- Recognize and use best practices
- Practices to avoid

HPE

- LeftHand OS 12 and 12.5 Additional Enhancements

Learn more at

hpe.com/us/training/storage