

# HP 教育訓練中心課程簡介

HP StoreVirtual 4000 Storage Administration and Configuration  
(HK364s\_00776840)



The HP StoreVirtual 4000 course is a comprehensive technical-based training course that teaches the skills needed for planning, installing, configuring, and managing HP 4000 storage area networks (SANs). Learning concepts are reinforced through a series of comprehensive labs.

## 適合對象

Storage Administrators

## 先修課程

- Basic networking
- Advanced knowledge of Windows Servers

## 課程目標

- Explain the architecture of HP StoreVirtual 4000 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 HP StoreVirtual Consolidated Management Console (CMC) for Windows
- Configure and manage the 4000 SAN
- Mount the SAN Volumes from Windows 2003, Windows 2012, or VMware vSphere 5.1i

## 課程效益

- Students will get comfortable with HP StoreVirtual 4000 SAN so that you can go back into your environments and engineer a solution using all the features of 4000 SAN systems and LeftHand software (11).
- Participants will be able to understand & implement Best Practices of HP StoreVirtual 4000 SAN implementation/administration process in Windows.

## Certification(s) and Exam(s)

HP ASE - Storage Solutions Integrator V1  
HP0-J71 - Implementing HP Converged Storage Solutions

<b>Course title:</b>	HP StoreVirtual 4000 Storage Administration and Configuration
<b>HP product number:</b>	HK364s_00776840
<b>Category/Subcategory:</b>	Storage
<b>Course length:</b>	2 days
<b>Level:</b>	Beginner/Intermediate
<b>To order:</b>	To review course schedules and to register for a course, visit <a href="http://www.hp.com.tw/education">http://www.hp.com.tw/education</a>

## 為何選擇HP教育訓練中心?

- Comprehensive curriculum of job-specific training leading to vendor certification
- Training you need, when and where you need it with our Remotely Assisted Instructional Learning (RAIL)
- Streamlined purchase and management of training with HP Care Pack Services for Education
- Unmatched technical expertise and support for HP products and technologies
- Recognized as an IDC MarketScape leader for IT education (IDC MarketScape: Worldwide IT Education and Training 2012 Vendor Analysis, doc #232870, February 2012)
- More than 30 years of Education Consulting
- Global training with more than 90 training locations worldwide

## 課程大綱

### Storage Product Suite Overview

- List the components of the HP StoreVirtual 4000 suite
- Discuss the function of the HP StoreVirtual 4000 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

### HP StoreVirtual 4000 SAN & Microsoft MPIO support

- HP Storage DSM for MPIO
- HP 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 4000 SAN SmartClone

### Remote Copy

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

### Using HP Storage LeftHand OS with VMware vSphere

- HP Storage and VMware advantages

### HP LeftHand OS Multi-Site HR/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 HP Storage performance guidelines when planning and implementing an IP SAN solution

### Best Practices

- Recognize and use best practices
- Practices to avoid

### Appendix

- LeftHand OS 11 Additional Enhancements

## 更多訊息

歡迎上網查詢HP教育訓練中心  
所有課程相關訊息及活動請造訪：  
<http://www.hp.com.tw/education>

