



# Object Storage in OpenStack® using Swift H4S72S

This 1-day course will provide an in-depth experience of implementing and using OpenStack Object Storage using Swift. The result will be the ability to plan, install and configure a secure and resilient Object Store using OpenStack Swift.

## Object Storage in OpenStack® using Swift

**Price** USD \$800

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

**HP course #** H4S72S

**Category** Cloud

**Duration** 1 day

## Audience

- Cloud Architects
- Storage Architects
- Sales Engineers
- Consultants
- Technical Marketing staff

## Prerequisites

Attendance of, or the equivalent skills

- OpenStack Foundations (H6C68S)
- Linux Fundamentals (U8583S)
- Cloud Overview (HK917AAE)

## Course objectives

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

- Be familiar with how to achieve the objectives of a highly available object store using Swift
- Install and configure Swift components
- Troubleshoot issues of operation and performance in a Swift Object store

## Benefits to you

- Gain a thorough understanding of object storage using Swift
- Be confident when designing highly available and scalable OpenStack object store using Swift
- Be efficient when troubleshooting operation and performance issues in a Swift object store in an OpenStack environment

## Course outline

### Module 1: Course Overview

- Set out the course objectives

### Module 2: Overview of a Swift based object store in OpenStack

- Define:
  - Highly available
  - Distributed
  - Eventually consistent
  - Object store
  - Object
  - Metadata
- Explore the architecture of a Swift system

### Module 3: Installation and configuration of Swift

- Installing:
  - Account Service
  - Container Service
  - Object Storage Service
  - Proxy service
- Configure the components to work together
- Overview of Swift 'rings'
- Consistency Services
- Regions and Zones

### Module 4: Using and Troubleshooting Swift

- Clients and connection
- Scaling the system
- Troubleshooting operation of the Swift cluster

## LABS

### Module 2

- Explore the environment and make sure the prerequisites for a Swift installation have been met

### Module 3

- Install the software as per design supplied (as above)
- Configure
- Test

### Module 4

- Explore the location of the various components in the node disk systems
- Configure zones (regions a possibility but zones good for experience)
- Configure authentication to AD?

**Module 5**

- Use the Swift dispersion report
- Emulate disk recovery

Learn more

**[hpe.com/us/training/cloud](http://hpe.com/us/training/cloud)**

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