Hewlett Packard Enterprise

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

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