



Ceph for OpenStack® WBT H8Q16AAE

This web-based training provides you with overview of the Ceph storage system and information on installing Ceph Firefly 0.80.7 with HP Helion OpenStack® 1.1. You will learn about Ceph design, architecture and how does Ceph handle data. Training will cover at the high level how does Ceph integrates with HP Helion OpenStack 1.1 and will provide you with the installation steps overview.

Ceph for OpenStack® WBT

Price USD \$100

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

HP course # H8Q16AAE

Category Cloud

Duration 1 hour

Audience

- This course is designed as introduction to Ceph with HP Helion OpenStack for System Administrators, Technical Consultants and Storage architects

Prerequisites

The following skills are recommended to attend this training:

- Experience in Linux System Administration
- Experience in OpenStack® Installation and Configuration
- Understanding virtualization concepts
- Understanding networking concepts

Course objectives

After completing this course, students should be able to:

- Understand what is Ceph and what are the benefits of using Ceph's unified storage functionality
- Explain Ceph's design principles and technologies behind it's functionality
- Understand the way Ceph handles data
- Perform the installation of Ceph in HP Helion OpenStack environment
- Understand Ceph Logical Architecture
- Understand Ceph High Availability features
- Understand the process of Ceph installation with HP Helion OpenStack 1.1

Benefits to you

- Attendees will get the introduction to technical features of distributed object storage based on Ceph, and overview on Ceph installation with HP Helion OpenStack 1.1

Course outline

What is Ceph?

Benefits of using Ceph

Ceph Releases overview

Ceph design principles

Ceph as software-defined storage

How Ceph stores data

Ceph clients

Ceph data access

Ceph object storage

RADOS Block Device

Distributed Object Storage

Ceph scalability and performance

Ceph logical architecture

Ceph maps

Ceph High Availability: disk redundancy, data replication,

hardware resiliency, HA monitors

Maintaining data consistency

HP Helion OpenStack VM access to Ceph

Ceph interoperability with Glance, Cinder an Nova

Ceph installation and configuration overview

Learn more

hpe.com/us/training/cloud

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H8Q16AAE Ver A.00

c04840594 October 2015