



HP Helion Education Services Course Overview

Block Storage in OpenStack® using Cinder (H4S73S)

This one-day course will take students through an in depth look at the OpenStack® Block Storage service Cinder. The result will be the skills to design and build a resilient and scalable extensible block storage control environment within an OpenStack® environment. The students will get hands-on lab experience of many of the course topics in a dedicated, pre-built OpenStack® environment.

Audience

- Storage Administrators
- Storage Architects
- Architects
- Sales Engineers
- 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:

- Understand the OpenStack® block storage components and how they work together
- The architecture of resilient block storage management within OpenStack®
- Understand the extensibility of block storage management in OpenStack®
- The installation and configuration of the various components
- How to troubleshoot block storage in OpenStack®

Benefits to you

- Gain a thorough understanding of OpenStack® block storage management using Cinder
- Be confident when designing resilient and scalable block storage implementations within OpenStack® using Cinder.

Course title:	Block Storage in OpenStack® using Cinder
HP product number:	H4S73S
Category/Subcategory:	Cloud
Course length:	1 day
Level:	Advanced
Delivery language:	English
To order:	You can register your interest for this course online at http://www.hp.com.au/education . At the site, select the course under Cloud portfolio and you will see dates for the course. Register your interest for the date of your choice.

- Be efficient when troubleshooting block storage issues in an OpenStack® environment.

Why education services from HP?

- Award winning Virtual classrooms
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- Recognized as an IDC MarketScape leader for IT education (IDC MarketScape: Worldwide IT Education and Training 2012 Vendor Analysis, doc #232870, February 2012)
- Top 20 training provider and content development – **www.TrainingIndustry.com**
- The training you need, when and where you need it with our Virtual Instructor-Led Training (VILT)

Detailed course outline

Module 1 – Course overview

- Set out the course objectives

Module 2 – Cinder Overview and Installation

- What is Cinder
- Storage Types
- Features and functions of Cinder
- Installing Cinder
- Using Cinder
- Managing Quotas

Module 3 – Cinder and multiple back ends

- Working with multiple back ends
- Detail on volume types
- Configuring multiple back ends
- The Cinder scheduler
- Setting Quality of Service
- Migrating volumes

Module 4 – Troubleshooting Cinder

- Study the volume creation process
- Look at the Cinder Services
- Locate Cinder log files
- Trace target details through to instances
- Look at a Cinder oriented network implementation
- Undertake a challenge lab

For more information

To locate contact information and to learn more about education services, please visit our web site at

<http://www.hp.com.au/education> .

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