



HP Helion Education Services Course Overview

HP Helion OpenStack® Community edition (H4C07S)

This one-day course will take students through an in depth look at the HP Helion OpenStack® Community edition. The result will be the skills to design and build a resilient and scalable OpenStack environment using HP Helion OpenStack® Community edition. The students will get hands-on lab experience of many of the course topics in a dedicated, pre-built HP Helion OpenStack® Community edition environment.

Audience

- Consultants
- System integrators
- Cloud providers
- Cloud operators
- Cloud administrators

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 HP Helion OpenStack® Community edition position within HP Helion
- Describe the architecture of a HP Helion OpenStack® Community edition implementation
- Understand the installation process for the virtual and bare metal builds
- Understand how to secure and use the OpenStack implementation deployed by HP Helion OpenStack® Community edition

Course title:	HP Helion OpenStack® Community edition
HP product number:	H4C07S
Category/Subcategory:	Cloud
Course length:	1 day
Level:	Advanced
Delivery language:	English
To order:	You can order this course online at http://www.hp.com/learn . At the site, select a country, then choose "registration" or "Book a course" and fill out the online registration form.

Benefits to you

- Gain a thorough understanding of using HP Helion OpenStack® Community edition
- Be confident when designing scalable OpenStack environments and building them using HP Helion OpenStack® Community edition

Why education services from HP?

- Award winning Virtual classrooms
- More than 30 years of Education Consulting
- Unmatched technical expertise and support for HP products and technologies

- Streamlined purchase and management of training with HP Care Pack Services for Education
- Comprehensive curriculum of job-specific training leading to vendor certification
- Global training with more than 90 training locations worldwide
- 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)

For more information

To locate country contact information and to learn more about education services, please visit our worldwide web site at <http://www.hp.com/learn>.

Detailed course outline

Module 0 – Course overview

- Set out the course objectives

Module 1 – HP Helion Overview

- Become familiar with HP Helion
 - What is HP Helion?
 - What does HP Helion deliver?
- HP Helion OpenStack®
 - Where OpenStack fits with HP Helion
- HP Helion OpenStack® Community edition
 - Where the Community software fits with HP Helion OpenStack®

Module 2 – HP Helion OpenStack® Community edition architecture

- Look at the way in which HP Helion OpenStack® Community edition is architected
 - Seed
 - Undercloud
 - Overcloud
- Look more closely at 2 technologies involved in this process
 - TripleO (OpenStack on OpenStack)
 - Ironic (Bare Metal)
- Set the scene for installation planning

Module 3 – Installation and Use

- Installation, looking at the options for deployment and how each is installed
- We will have a look at the Horizon interface and look at some of the configuration options that are available

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