**Hewlett Packard
Enterprise**

HPE Helion OpenStack Community edition H4C07S

HPE course number	H4C07S
Course length	1 day
Delivery mode	ILT
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This one-day course will take students through an in depth look at the HPE Helion OpenStack® Community edition. The result will be the skills to design and build a resilient and scalable OpenStack environment using HPE Helion OpenStack Community edition. The students will get hands-on lab experience of many of the course topics in a dedicated, pre-built HPE Helion OpenStack Community edition environment.

Why HPE Education Services?

- IDC MarketScape leader 4 years running for IT education and training*
- Recognized by IDC for leading with global coverage, unmatched technical expertise, and targeted education consulting services*
- Key partnerships with industry leaders OpenStack®, VMware®, Linux®, Microsoft®, ITIL, PMI, CSA, and (ISC)2
- Complete continuum of training delivery options—self-paced eLearning, custom education consulting, traditional classroom, video on-demand instruction, live virtual instructor-led with hands-on lab, dedicated onsite training
- Simplified purchase option with HPE Training Credits

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 HPE Helion OpenStack Community edition position within HPE Helion

- Describe the architecture of a HPE 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 HPE Helion OpenStack Community edition

Benefits to you

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

Detailed course outline

Module 0: Course overview	• Set out the course objectives

Module 1: HPE Helion Overview	• Become familiar with HPE Helion
	  – What is HPE Helion?
	  – What does HPE Helion deliver?
	• HPE Helion OpenStack
	  – Where OpenStack fits with HPE Helion
	• HPE Helion OpenStack Community edition
	  – Where the Community software fits with HPE Helion OpenStack

Module 2: HPE Helion OpenStack Community edition architecture	• Look at the way in which HPE 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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