



# HPE Helion OpenStack Community edition H4C07S

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.

<b>HPE course number</b>	H4C07S
<b>Course length</b>	1 day
<b>Delivery mode</b>	ILT
<b>View schedule, local pricing, and register</b>	<a href="#">View now</a>
<b>View related courses</b>	<a href="#">View now</a>

## 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

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### Module 0: Course overview

- Set out the course objectives

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### 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

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### 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

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### 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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