



HP Helion Education Services Course Overview

HP Helion CloudSystem Enterprise (H4C08S)

This two-day course equips students with the skills and knowledge to install, configure, and manage HP Helion CloudSystem Enterprise. Students will be given an overview of HP Helion CloudSystem Enterprise, Cloud Service Automation, HP Cloud Maps, and CloudSystem Matrix use cases. This course is 40% lecture and 60% hands-on lab.

Audience

Administrators, engineers and consultants who will:

- Configure management HP Helion CloudSystem Enterprise
- Upgrade to HP Helion CloudSystem Enterprise
- Use Cloud Service Automation (CSA) to manage HP Helion CloudSystem 8 and / or CloudSystem Matrix
- Customize Marketplace portal
- Integrate LDAP with marketplace
- Configure custom approval rules
- Configure email notifications
- Using HP Cloud Maps

Prerequisites

HP recommends that students have attained the following credentials or levels of experience before taking this course:

- Strongly Recommended: Fundamentals of OpenStack® Technology (H6C68S)
- Strongly Recommended: HP Helion CloudSystem Foundation (H4C05S)
- HP OneView Administration (H4C04S)
- Navigating the Journey to HP Cloud (H1L34S)
- HP Virtual Connect (HK758S)

In addition, HP recommends that students are familiar with general networking terminology and basic network security concepts and have an understanding of one of the following operating systems:

- Windows Server 2008, Windows Server 2008 R2 or Windows 7
- Red Hat Enterprise Linux AS or Red Hat Enterprise Linux ES
- vSphere 5.5

Course title:	HP Helion CloudSystem Enterprise
HP product number:	H4C08S
Category/Subcategory:	Cloud
Course length:	2 days
Level:	Intermediate
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.

Course objectives

After completing this course, you should be able to:

- Plan and prepare for HP Helion CloudSystem Enterprise installation
- Perform upgrade form HP Helion CloudSystem Foundation to Enterprise
- Utilize CSA portals
- Understand and use HP CSA Maps
- Understand use cases for HP CloudSystem 8 and CloudSystem Matrix 7
- Create organizations in CloudSystem Enterprise
- Customize Marketplace portal
- Configure LDAP authentication
- Configure approval rules
- Configure email notifications

Benefits to you

- Gain the knowledge to successfully plan and deploy HP Helion CloudSystem Enterprise
- Use the hands-on activities to become familiar with HP Cloud Service Automation and Cloud Maps in HP Helion CloudSystem Enterprise.

Why education services from HP?

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Detailed course outline

Module 1 - Course Overview

- HP Helion CloudSystem Enterprise course overview
- Course schedule
- Next

Module 2 - HP Helion CloudSystem Enterprise Introduction

- HP Helion CloudSystem Enterprise overview
- HP Helion CloudSystem Enterprise features
- Relationship between HP Helion CloudSystem Foundation and HP Helion CloudSystem Enterprise

Module 3 - Installation and Cloud Service Automation (CSA)

- Identify the path from HP Helion CloudSystem Foundation to HP Helion CloudSystem Enterprise
- Plan for HP Helion CloudSystem Enterprise installation
- Perform HP Helion CloudSystem Enterprise installation
- List CSA features in HP Helion CloudSystem Enterprise
- Provision and manage with Market Place Portal
- Use HP CSA to create a design and deploy an offering
- Create a service and verify component operation in the CloudSystem Console
- Publishing Matrix templates to the MPP
- Initiate provisioning the entire infrastructure and application environment with a single subscription

Module 4 - HP Cloud Maps and Matrix use cases

- Understand benefits of HP Cloud Maps
- Using Cloud Maps to build a service catalog
- Describe CloudSystem Enterprise and Matrix Operating Environment use cases
- Understand differences in use cases
- Choose the right use cases for your environment
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- Understand differences in use cases
- Choose the right use cases for your environment

Appendix A - HP CloudSystem Enterprise 8.1 – What's New

- Understand the new features of CloudSystem Enterprise 8.1
- Describe Express Design
- Describe Topology Testing
- Understand new HTML5 based design for the Marketplace
- Understand new providers supported by the topology designer
- Describe new Operations Orchestration features in CloudSystem Enterprise 8.1

Lab 1 - Accessing HP Virtual Lab Environment

- Access the HP Virtual Lab (HPVL) environment
- Identify the components on the HPVL for course exercises
- Exit the HPVL environment
- Enter your assigned breakout room

Lab 2 - Installing CloudSystem Enterprise

- Import CloudSystem Enterprise appliance OVA
- Install CloudSystem Enterprise

Lab 3 - Creating simple topology

- Use Cloud Service Automation topology designer to create simple design
- Create new catalog
- Create and publish offerings
- Use marketplace portal to request service
- Cancel service using marketplace portal

Lab 4 - Creating complex topology

- Use Cloud Service Automation topology designer to create complex design
- Create and publish offerings
- Use marketplace portal to request service
- Cancel service using marketplace portal

Lab 5 - Creating topology with profiles

- Use Cloud Service Automation topology designer to create design with profiles
- Create and publish offerings

- Use marketplace portal to request service based on different profiles
- Cancel service using marketplace portal

Lab 6 - Customizing Marketplace

- Create new organization
- Share catalog with organizations
- Customize Marketplace interface
- Configure LDAP authentication for Marketplace
- Configure e-mail server to receive notifications from CloudSystem
- Configure approval policies

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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