



# Cloud Service Automation 4.x Essentials H4S74S

<b>HPE course number</b>	H4S74S
<b>Course length</b>	4 days
<b>Delivery mode</b>	ILT
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This 4-day course introduces the essential concepts and use of the HPE Cloud Service Automation (CSA) software. HPE CSA software offers open, extensible lifecycle management for customers who want to deploy a private or hybrid cloud. This unique platform orchestrates the deployment of computer and infrastructure resources and of complex multi-tier application architectures. It integrates and leverages the strengths of HPE datacenter management and automation products, adding resource management, service offering design, and a customer portal to create a comprehensive service automation solution.

## Why HPE Education Services?

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## Audience

This course is recommended for individuals performing CSA job roles:

- HPE CloudSystem Enterprise Administrators
- Consumer Service Administrators
- Resource Supply Managers
- Service Business Managers
- Service Designers
- Service Operations Managers
- Consumers

## Prerequisites

- H4S75S HPE Operations Orchestration

## Course objectives

After completing this course, you should be able to:

- Explain what Cloud Service Automation is and its value to an enterprise
- Describe the major components of Cloud Service Automation
- Describe the Cloud Service Automation functional architecture
- Map the interoperation between CSA and other components
- Describe the key features and capabilities of the Cloud Service Automation 4.x platform

## Detailed course outline

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**Module 1: Course Overview**

- Contents of the course
- Goals of the course
- Class agenda
- Class Logistics

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**Module 2: Introduction to HPE Cloud Service Automation**

- Explain the terminology used by CSA
- Explain the basic architecture of CSA

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**Module 3: User Roles and Interfaces in CSA**

- List the different roles in CSA
- Describe service lifecycles and resource providers
- Execute a real, preconfigured scenario

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**Module 4: The CSA Management Console**

- Describe all the different aspects of using the CSA Management Console
- Define Organizations, Resources, Components, Designs, Offerings, and Catalogs
- Summarize where OO fits in with CSA

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**Module 5: HPE CSA Marketplace Portal**

- Subscribe to a service offering
- Follow up on your service request
- Monitor your service subscriptions

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**Module 6: HPE CSA Subscription Management**

- Summarize all the different aspects of managing subscriptions
- Modify, retire, and transfer subscriptions
- Use the Operations area to manage subscriptions

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**Advanced Hands-on Labs**

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**Lab 7: Service Options**

- Define options in the service design
- Bind options to service component properties

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**Lab 8: Advanced Options**

- Define a service with combined property settings in the options

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**Lab 9: Resource Provider Lifecycle**

- Set up new lifecycle actions for a service

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**Lab 10: Environments**

- Define environments to control provisioning to different resources

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**Module 11: Content Portability**

- Explain what a Content Archive is and what it contains
  - Export content from CSA using the Management Console
  - Import content into CSA using the Management Console
  - Use the Content Archive tool for exporting, importing, and validating
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