



Hewlett Packard Enterprise

Course Data Sheet

CSA120 – Cloud Service Automation 4.x Essentials

Course No.: CSA120-46	Category/Sub Category: Operations Management/Cloud and Automation
For software version(s): 4.6 Software version used in the labs: 4.6	Course length: 4 days
Delivery formats: Instructor Led (ILT) and Virtual Instructor Led (VILT)	Training is available as a private session onsite.
To order visit: http://h20546.www2.hp.com/main/training/product_map.cfm?sitepick=admin	

Course Description

Participants in this training learn the skills required to implement, use, and maintain the Cloud Service Automation (CSA) product. This training is useful for those responsible for managing Hybrid Cloud deployment. **Students should have experience with the Operations Orchestration product.**

Audience / Job Roles

Solution Architects, System Administrators, Application Developers, and other personnel responsible for the implementation of the CSA software.

Course Objectives

Upon successful completion of this course, you should be able to:

- Explain HPE CSA software, terminology, components and functions
- Describe the CSA functional architecture
- Map the interoperation between CSA and other HPE products, such as HPE Operations Orchestration (OO)
- Configure Access Control, User Roles, Permissions
- Configure Lifecycle stages
- Manage Resource Providers and Environments
- Work with Designs and Subscriptions

Prerequisites / Recommended Skills

To be successful in this course, you should have the following prerequisites or knowledge.

- Have an understanding of your organization's Cloud Deployment requirements.
- *OO220 – Operations Orchestration 10.x Flow Development*

Learning Path



Certification

This course supports the following certification exam:
CSA 4.x ASE

Course Topics

Modules	Objectives
Module 1: Course Introduction (standard content) Configuration	<ul style="list-style-type: none"> • Introductions • Class schedule and class logistics • Related courses • Documentation • Lab environment details
Module 2: Introduction to CSA	<ul style="list-style-type: none"> • Explain the terminology used by CSA • Explain the basic architecture of CSA
Module 3: User Roles and Interfaces	<ul style="list-style-type: none"> • List the different roles in CSA • Describe service lifecycles and resource providers • Execute a real, preconfigured scenario
Module 4: CSA Architecture	<ul style="list-style-type: none"> • Describe the CSA architecture • List the CSA elements • Recognize interactions between elements
Module 5: Management Console	<ul style="list-style-type: none"> • Describe all the different aspects of using the Management Console • Define organizations, providers, designs, offerings, and catalogs • Summarize the relationship between OO and CSA
Module 6: Marketplace Portal	<ul style="list-style-type: none"> • Subscribe to a service offering • Follow up on your service request • Monitor your service subscriptions
Module 7: Subscription Management	<ul style="list-style-type: none"> • Summarize all the different aspects of managing subscriptions • Modify, retire, and transfer subscriptions • Use the Operations area to manage subscriptions
Module 8: CSA OO Integration	<ul style="list-style-type: none"> • Write OO flows for CSA • Describe OO flow requirements • Notify OO flow results back to CSA
Module 9: Service Design Best Practices	<ul style="list-style-type: none"> • Recognize the rules to use when developing new content for HPE Cloud Service Automation • Design and develop content using HPE CSA and associated products • Develop reusable components and reusable resource offerings • Build complex designs and offer advanced services to end users
Module 10: Topology Designer	<ul style="list-style-type: none"> • Explain the difference between Sequential and Topology design • Import topology components • Configure component properties • Create component tags • Create new version for a design • Configure a design • Manage a design as application • Create design tags
Module 11: Content Portability	<ul style="list-style-type: none"> • 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 validation
Lab 12: Service Options	<ul style="list-style-type: none"> • Define options in the service design • Bind options to service component properties
Lab 13: Advanced Options	<ul style="list-style-type: none"> • Define a service with combined property settings in the options.
Lab 14: Resource Provider Lifecycle	<ul style="list-style-type: none"> • Setup new lifecycle actions of a service.

- Define environments to control provisioning to different resources.