MICRO FOCUS®

Course Data Sheet

CSA120-49 – Cloud Service Automation 4.x Essentials

Course No.: CSA120-49	Category/Sub Category: Operations Management/Cloud and Automation
For software version(s): 4.9	
Software version used in the labs: 4.9	Course length: Five days
Delivery formats: Instructor Led (ILT) and Virtual Instructor Led (VILT)	Training is available as a private session onsite.
To order, visit: Software Education	

Course Description

Participants in this training learn the skills that are 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 Micro Focus Operations Orchestration (OO) product.

Audience/Job Roles

This course is intended for 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 Micro Focus CSA software, terminology, components, d functions

- Describe Cloud Service Automation (CSA) within the HCM Suite

- Describe the CSA functional architecture

- Map the interoperation between CSA and other Micro Focus products, such as Micro Focus Operations Orchestration (OO)

- Configure access control, user roles, and permissions

- Configure lifecycle stages
- Manage resource providers and environments
- Work with designs and subscriptions
- Summarize the new features that are introduced in 4.9

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
- Have knowledge about kubernetes and containerization
- Have knowledge about the Hybrid Cloud Management (HCM) product suite
- Be familiar with HCM120 – Hybrid Cloud Management suite essentials
- Be familiar with OO220 – Operations Orchestration 10.x Flow Development

Learning Path

OO220 Micro Focus OO Flow Development → CSA120 Micro Focus CSA Essentials

Course Topics

Module	Objectives
Module 1 – Course Overview	- Identify the contents and objectives of the course - Define the class schedule and class logistics - Identify the related courses - Discuss the lab environment details
Module 2 – Key Concepts of CSA	- Describe the Micro Focus IT Operations Management Suites - Explain the importance of CSA software components within the Micro Focus HCM Suite - Analyze the CSA terminology used during the training
Module 3 – CSA Interfaces and User Roles	- List the different roles in CSA - Describe service lifecycles and resource providers - Execute a real, preconfigured scenario
Module 4 – Architecture	- Describe Micro Focus Container Deployment Foundation (CDF) based suites - Explain the HCM architecture - Identify the CSA elements and their interactions
Module 5 – CSA Management Console	- Describe all the different aspects of using the Management Console - Explain organizations, providers, designs, offerings, and catalogs
Module 6 – Using the Marketplace Portal	- Describe the Marketplace Portal - Navigate and explore the Dashboard
Module 7 – Managing Subscriptions	- Summarize the different aspects of managing subscriptions - Modify, retire, and transfer subscriptions - Use the Operations area to manage subscriptions
Module 8 – Authoring OO Flows for CSA	- Write OO flows for CSA lifecycle actions - Describe the role of input and output parameters - Leverage CSA Integration content pack operations - Leverage Simplified Content Authoring
Module 9 - CSA Service Design Best Practices	- Recognize the basic rules to use when developing new CSA content - Develop reusable components and reusable resource offerings
Module 10 - Export and Import CSA Artifacts	- Export content from CSA - Archive the file structure

Module	Objectives
	▪ Import content into CSA
	▪ Analyze the best practices for using Import operations
Module 11 - HCM Content Offerings	▪ Use the ITOM Marketplace site and the CSA Content Store to install HCM content offerings
	▪ Explain the process to build a capsule
Module 12 - Subscriber Options	▪ Configure subscriber option sets, options, and option parameters in the service design
	▪ Bind option parameters to service component properties
	▪ View subscriber options outline
	▪ Configure static and dynamic list option properties
	▪ Prepare JS and JSP scripts for configuring dynamic lists
	▪ Describe semantic validation
	▪ Describe how to enable and disable option property validation
	▪ Configure option property validation
	▪ Describe the subscriber options workflow
Module 13 - User Operations – Part 1	▪ Configure user operations on resource offerings and service components
	▪ Describe how to source the user operation input parameters
Module 14 - User Operations – Part 2	▪ Explain how to persist user operations outputs
Module 15 - Lifecycle Management	▪ Describe the CSA service lifecycle concept
	▪ Configure lifecycle action input parameter mapping
	▪ Configure lifecycle action output parameter mapping