5 Days

VMware Cloud Orchestration and Extensibility [V6.1]

This intensive VMware Cloud Orchestration and Extensibility V6.1 training course imparts fundamental knowledge of automating the VMware vCloud infrastructures through the use of VMware vRealize Orchestrator 5.5 and VMware vRealize Automation.

Through hands-on lab experiences, professionals will get equipped with designing, deploying and running custom vRealize Orchestrator workflows to facilitate extensibility and advanced administration. Using the built-in clustering, the training will prepare you to configure vRealize Orchestrator environment for server availability.

Course Details

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Course Outline

1. Course Introduction

- Course Objectives
- Introduction to course logistics

2. Cloud Orchestration and Extensibility Overview

- vRealize Orchestrator and vRealize Automation integration, prerequisites, and deployment
- Features, benefits, and components of vRealize Orchestrator and vRealize Automation

3. vRealize Orchestrator

- vRealize Orchestrator content elements and vRealize Orchestrator inventory
- vRealize Orchestrator client

4. Using vRealize Orchestrator Workflow Components

- Building and debugging vRealize Orchestrator workflows
- vRealize Orchestrator workflow elements

5. vRealize Orchestrator Workflow Development Concepts

- vRealize Orchestrator workflow components and editor UI
- vRealize Orchestrator workflows and parameter binding Information flow

6. Developing Complex vRealize Orchestrator Workflows

- vRealize Orchestrator workflow input presentation
- Configuration and resource elements
- Advanced vRealize Orchestrator workflow elements
- Exception handling and user interactions

7. Using VMware Infrastructure APIs with vRealize Orchestrator

- VMware vRealize Server™ inventory structure
- vSphere automation and developer tools

8. Integrating vRealize Orchestrator with External Systems

- vRealize Orchestrator plug-ins
- vRealize Orchestrator integration strategy

9. vRealize Automation IaaS Extensibility

- vRealize Automation IaaS extensibility overview
- vRealize Automation plug-in functionality
- vRealize Automation plug-in for vRealize Orchestrator

10. vRealize Automation XaaS

- Custom resources
- Advanced Service Designer configuration
- Overview of vRealize Automation anything as a service (XaaS)
- vRealize Automation XaaS blueprints

11. Enhanced IT Service Delivery

- IaaS and XaaS actions
- Advanced Service Designer input presentation
- Delivering a service solution

12. Delivering vRealize Orchestrator Workflows

- Exporting and packaging workflows
- Transferring vRealize Orchestrator content elements to other vRealize Orchestrator servers
- Synchronizing workflows among vRealize Orchestrator servers

13. Installing and Configuring vRealize Orchestrator

- Installing vRealize Orchestrator
- Configuring vRealize Orchestrator

14. vRealize Orchestrator Server Availability

- vRealize Orchestrator clusters
- vRealize Orchestrator availability
- Availability of vRealize Orchestrator workflows

Who Should Attend

The VMware Cloud Orchestration and Extensibility V6.1 training course is designed for:

- System integrators
- Automation and orchestration specialists
- Experienced VMware administrators
- Private cloud and public cloud administrators

Pre Requisite

Required prerequisites include completion of one of the following:

- Knowledge of VMware vSphere®
- vRealize Automation: Install, Configure, Manage course or equivalent skills
- Working knowledge of scripting or programming using JavaScript, Windows PowerShell, Perl, Java, Python, or similar languages

Exams

VMware Certified Professional (VCP) [VCP6-CMA]

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