Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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VMware vRealize Automation: Orchestration and Extensibility [V7.4]

CODE:	LENGTH:	PRICE:
VM-VR-AM-OE-V7.4	40 Hours (5 days)	$4,625.00

Description

In this five-day course, you explore the use of VMware vRealize® Orchestrator™ 7.4 and VMware vRealize® Automation™ 7.4 for the automation of VMware cloud infrastructure and IT processes. This course focuses on extensibility and advanced administration, using vRealize Orchestrator workflows in vRealize Automation. You gain practical experience through the completion of hands-on labs.
Product Alignment
- vRealize Orchestrator 7.4
- vRealize Automation 7.4

Objectives

By the end of the course, you should be able to meet the following objectives:
- Describe the features, benefits, components, and integration of vRealize Orchestrator and vRealize Automation
- Describe the role of vRealize Orchestrator workflows and content elements in automation
- Use the vRealize Orchestrator client to access and navigate the vRealize Orchestrator platform and to import and run library vRealize Orchestrator workflows
- Design, develop, and run custom reusable vRealize Orchestrator workflows
- Use VMware APIs in vRealize Orchestrator workflow scripts
- Integrate vRealize Automation with vRealize Orchestrator instances to extend infrastructure-as-a-server (IaaS) machine lifecycle processes and enhance and deliver custom IT services
- Use XaaS to extend vRealize Automation into other enterprise systems
- Use the vRealize Automation Event Broker to trigger specific vRealize Orchestrator workflows

Audience

Experienced VMware administrators, automation and orchestration specialists, system integrators, and private cloud and public cloud administrators

Prerequisites

This course requires the following prerequisites:
- Knowledge of VMware vSphere®
- VMware vRealize Automation: Install, Configure, Manage [V7.3] course or equivalent knowledge
- Working knowledge of scripting or programming using JavaScript, Windows PowerShell, Perl, Java, Python, or similar languages

Programme

1 Course Introduction
- Introductions and Course Logistics
- Course Objectives

2 Enterprise Cloud Architecture and Components
- Extending Enterprise Systems
- Unified Self-Service Portal Components
- Converged Blueprint Concepts
- vRealize Orchestrator Overview

3 vRealize Orchestrator Workflow Basics
- vRealize Orchestrator Workflows
- Logs in Workflows
- Workflow Variables
- Parameter Binding

4 vRealize Orchestrator Workflow Design Considerations
- Configuration and Resource Elements
- Scriptable Tasks and Actions
- User Interactions
- Input Presentation

6 Introduction to vRealize Orchestrator Extensibility
- Introduction to Extensibility
- vRealize Automation Components and Functionality
- NSX On-Demand Components

8 Unified Services in vRealize Automation
- XaaS Blueprints and Actions
- vRealize Automation Form Designer

5 Developing vRealize Orchestrator Workflows
- Decision Elements and Switch Elements
- Debugging vRealize Orchestrator Workflows
- Creating Loops in Workflows
- Calling vRealize Orchestrator Workflows
- Handling Exceptions

7 Extending vRealize Automation with Event Broker
- Event Broker Overview
- Event Broker Functionality
- Event-Based Processes
- Information Exchange Between Event Broker and vRealize Orchestrator

9 API Tools
- API Interfaces Overview
- vRealize Orchestrator REST API Plug-In
- vRealize CloudClient

Session Dates

On request. Please Contact Us

Additional Information

This training is also available as onsite training. Please contact us to find out more.