

VMware® vRealize Automation - Install, Configure, Manage v7.0

Course Overview

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This is a 5-day class

During this course, students will focus on installing, configuring, and managing VMware vRealize® Automation™. Students will also learn about the configuration and use of the vRealize Automation platform.

Who Should Attend

Experienced system administrators and system integrators responsible for designing and implementing VMware Horizon® solutions.

Course Objectives

By the end of the course, you should be able to meet the following objectives: Describe the vRealize Automation architecture and use cases Install and configure vRealize Automation Manage vRealize Automation entities on VMware and third-party virtual, cloud, and physical infrastructures Configure and manage catalogs and blueprints Configure and manage business groups and reservations for compute resources on VMware, Microsoft, Amazon, and other platforms Use the self-service portal to request and manage machines in accordance with vRealize Automation approval and governance policies Explain vRealize Automation extensibility and workflows Manage and monitor machines and resource reclamation

Course Outline

1 Course Introduction

Introductions and course logistics
Course objectives

2 vRealize Automation Overview and Architecture

Explain the role of vRealize Automation
Describe where vRealize Automation fits in the VMware product stack
Identify the components of a vRealize Automation simple deployment
Identify the components of a vRealize Automation enterprise deployment
Identify the component design options for vRealize Automation
Explain the concepts of vRealize Automation administration and self-service provisioning

3 Authentication, Fabric, and Tenants

Identify the authentication methods available
Describe identity management
Identify the appropriate roles for various tasks
Define relationships between vRealize Automation entities
Identify and configure vRealize Automation endpoints
Identify how vRealize Automation discovers compute resources
Define the vRealize Automation roles
Identify fabric groups, business groups, and reservations
Create tenants
Create and manage reservations for compute resources

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4 Converged Blueprints and Catalog

Create and manage machine blueprints, custom service blueprints, and application blueprints
Manage service catalog items with entitlements and approval policies
Create approval policies
Identify approval policy levels and approval phases

5 Consuming Catalog Services

Provision new machines and services
Deploying applications
Updating applications
Manage deployments
Manage self-provisioned machines
Use custom properties
Use build profiles
Use the property dictionary

6 Integrating VMware NSX

Integrate vRealize Automation with VMware NSX
Use VMware NSX elements in blueprints

7 Application Authoring

Author an application blueprint
Deploy an application from the service catalog

8 Monitoring & Reclamation

Identify and verify inactive and abandoned resources
Manage machine leases
Manage machine reclamation

9 vRealize Automation Extensibility

Identify extensibility and customization options
Configure plug-ins for external integration
Integrate vRealize Automation and VMware vRealize® Business™
Use vRealize Orchestrator

10 vRealize Automation Installation

Installation prerequisites
Installation procedure
Clustering
Upgrades and migrations
Migration tool