

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

## Course Overview

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

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## 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

## 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

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## 10 vRealize Automation Installation

- Installation prerequisites
- Installation procedure
- Clustering
- Upgrades and migrations
- Migration tool