

# VMware vRealize Automation: Install, Configure, Manage [V7.6]

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Lisboa
- **Data:** 02 Dez. 2019 a 06 Dez. 2019
- **Preço:** 2950€
- **Horário:** Laboral - das 9h00 às 18h00
- **Duração:** 40 horas

During this five-day course, you focus on installing, configuring, and managing VMware vRealize® Automation™. You learn about the configuration and use of the vRealize Automation platform, including self-service provisioning and the creation of catalog services that include predefined virtual machines, software components, and on-demand VMware NSX® networks. This course also covers interfacing vRealize Automation with other systems using VMware vRealize® Orchestrator™ to leverage workflows, creating approval cycles, and managing machine lifecycles to conserve resources. In addition, you will better understand and know how to achieve the benefits of automation as a component of the software-defined data center.

## Destinatários

Experienced system administrators and system integrators responsible for designing and implementing vRealize Automation.

## Pré-requisitos

This course requires completion of one of the following courses:

- [VMware vSphere: Install, Configure, Manage \[V6.x\]](#)
- [VMware vSphere: Fast Track \[V6.x\]](#)

Experience with working at the command line is helpful.

This course requires that a student be able to perform the following tasks with no assistance or guidance before enrolling in this course:

- Create VMware vCenter Server® objects, such as data centers and folders
- Create a virtual machine using a wizard or a template

- Modify a virtual machine's hardware
  - Migrate a virtual machine with VMware vSphere® vMotion®
  - Migrate a virtual machine with VMware vSphere® Storage vMotion®
  - Configure and manage a vSphere DRS cluster with resource pools.
  - Configure and manage a VMware vSphere® High Availability cluster.
  - If you cannot perform all of these tasks, VMware recommends that you complete one of the prerequisite courses before enrolling in VMware vRealize Automation: Install, Configure, Manage.
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## Objetivos

- Describe the vRealize Automation architecture and use cases in cloud environments
  - Install and configure vRealize Automation
  - Manage vRealize Automation entities on VMware and third-party virtual and cloud infrastructures
  - Configure and manage catalogs, containers, and blueprints
  - Configure and manage business groups and reservations for compute resources
  - Use the self-service portal to request and manage machines in accordance with vRealize Automation approval and governance policies
  - Use customize properties and property groups in blueprints
  - Develop and use custom forms
  - Manage and monitor machines and resource reclamation
  - Configure and manage event broker subscriptions
  - Understand vRealize Automation extensibility and workflows
  - Use vRealize Automation to deploy and manage containers
  - Integrate vRealize Automation with third-party products
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## Programa

### Course Introduction

- Introductions and course logistics
- Course objectives

### 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
- Identify how vRealize Automation integrates with other VMware products

### vRealize Automation Installation

- Identify the prerequisites for installation
- Describe the differences between a minimal deployment and an enterprise deployment
- Describe the steps to install vRealize Automation using minimal deployment
- Describe the steps to install vRealize Automation using VMware vRealize® Suite Lifecycle Manager™

### **vRealize Automation Tenancy**

- Describe multitenancy
- Create tenants

### **Authentication and Authorization**

- Identify the authentication methods available in vRealize Automation
- Describe identity management in vRealize Automation
- Identify the appropriate role for different tasks in vRealize Automation

### **vRealize Automation Infrastructure Configuration**

- Configure vRealize Automation endpoints
- Create Fabric Groups
- Create Business Groups
- Create Network Profiles
- Create and manage Reservations for compute resources
- Create Reservation Policies

### **Blueprints and Catalog Management**

- Define blueprints
- Identify the process and options for configuring a blueprint
- Create a blueprint with a single virtual machine
- Create a multitiered virtual application
- Identify the role of the service catalog
- Define catalog items
- Use entitlements to manage catalog items
- Define Cloudclient
- Export blueprints using Cloudclient

### **Software Provisioning**

- Define software components
- Design software components and application blueprints
- Deploy an application blueprint from the service catalog

### **Custom Resources and the Property Dictionary**

- Use custom properties to modify the provisioning process
- Use property groups to group sets of custom properties
- Use the property dictionary to modify the provisioning process

- Use component profiles in the creation and deployment of blueprints

## **Custom Forms**

- Describe the benefits of using custom forms
- Use the custom Form Editor
- Define constraints
- Define read-only fields
- Use vRealize Orchestrator actions in custom forms

## **Integrating VMware NSX**

- Integrate vRealize Automation and VMware NSX
- Use VMware NSX elements in vRealize Automation blueprints

## **Extensibility**

- Introduction to Extensibility
- Describe the Event Broker
- Describe the master workflow
- Create an XaaS blueprint

## **Approval Policies**

- Identify roles involved in creating approval policies
- Identify approval policy levels
- Identify approval phases
- Create and apply approval policies for catalog items

## **Monitoring and Reclamation**

- Identify how to monitor resource use
- Demonstrate how to reclaim resources
- Demonstrate how to manage machine leases
- Monitor system events
- Create a vRealize Automation system health check test
- Create a vRealize Orchestrator system health check test

## **vRealize Automation Integration with Containers**

- Describe Containers
- Describe how Docker and Kubernetes can manage containers
- Describe Harbor
- Describe vSphere Integrated Containers

## **vRealize Automation Integration with vRealize Suite**

- Describe the use cases and benefits of using vRealize Lifecycle Manager to manage a vRealize
- Automation deployment

- Describe VMware vRealize® Business™ for Cloud concepts
- Use vRealize Business for Cloud to manage cost
- Describe vRealize Operations Dashboard integration with vRealize Automation
- Describe dashboard features related to deployments
- Describe dashboard features related to machines

### **vRealize Automation Integration with External Systems**

- Describe how vRealize Automation can be integrated with external systems including Amazon endpoints, vCloud on AWS, Azure endpoints, Google Cloud Platform endpoints, Ansible Tower integration, ServiceNow integration, and Puppet