5 Days

VMware vRealize Automation: Install, Configure, Manage [V7.0]

This five-day course by VMware has been designed to install, configure and manage the vRealize Automation. The course focuses on the deployment of an automated cloud infrastructure, self-provisioning of applications that include virtual machines, software components, and on-demand VMware NSX Networks.

The VMware vRealize Automation Install, Configure, Manage [V7.0] course will also allow effective utilization of VMware vRealize® Orchestrator™ that will help to connect VMware VRealize with other systems, thus accelerating life-cycle management.

Mercury Solutions provides the required learning environment for professionals to get a better understanding of the benefits of cloud automation in today's business environment. This training course empowers the Certified Professionals to enable, adapt and extend their cloud within the existing infrastructure that will help mitigation of business risks.

Course Details

Course Outline

1. Course Introduction

- Course Objectives
- Introduction and Course logistics

2. vRealize Automation Overview and Architecture

- Discuss use cases for vRealize Automation
- Describe where vRealize Automation fits in the VMware product line
- Describe the software-defined data center
- Identify the components of a vRealize Automation simple deployment
- Identify the component design options for vRealize Automation
- Identify the components of a vRealize Automation enterprise deployment
- Identify how vRealize Automation integrates with other VMware products
- Conceptual skills of vRealize Automation administration and self-service provisioning
- Explain the purpose of vRealize Automation

3. Authentication, Fabric, and Tenants

- Create tenants
- Create and manage reservations for computing resources
- Define relationships between vRealize Automation entities
- Describe identity management in vRealize Automation
- Identify and configure vRealize Automation endpoints
- Identify the appropriate roles for specific tasks in vRealize Automation
- Identify fabric groups, business groups, and reservations
- Identify the authentication methods available in vRealize Automation
- Identify how vRealize Automation discovers compute resources
- Explain multitenant leading practices

4. Converged Blueprints and Catalog Management

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

5. Consuming Catalog Services

- Create and apply approval policies for catalog items
- Manage snapshots
- Monitor the service provisioning status
- Reconfigure a provisioned machine
- Request a single-machine service
- Identify approval phases
- Identify approval policy level
- Identify roles involved in creating approval policies
- Use property groups to group sets of custom properties
- Use custom properties to modify the provisioning process
- Use the property dictionary to modify the provisioning process

6. Integrating VMware NSX

- Describe the benefits of VMware NSX integration with vRealize Automation
- Describe the VMware NSX components that vRealize Automation uses
- Understand VMware NSX capabilities
- Use VMware NSX elements in vRealize Automation blueprints
- Integrate vRealize Automation and VMware NSX

7. Application Authoring

- Author an application blueprint
- Deploy an application blueprint from the service catalog
- Understand the lifecycle of a vRealize Automation Application deployment

8. Monitoring and Reclamation

- Identify how to monitor resource use
- Demonstrate how to manage machine leases
- Demonstrate how to reclaim resources
- Monitor system events

9. vRealize Automation Extensibility

- Create a XaaS blueprint
- Describe the necessary requirements for passing custom properties to workflows
- Describe the two event broker event types
- Describe anything-as-a-service (XaaS) components
- Describe how the event broker service enhances extensibility
- Identify the three event broker phases
- Identify the vRealize Automation extensibility use cases
- Identify the appropriate subscription types and options for a subscription
- Identify the vRealize Automation extensibility tools
- Use vRealize Orchestrator

- Use vRealize Orchestrator plug-ins for external integration
- Use vRealize CloudClient to export a blueprint
- Illustrate the master workflow
- Explain how the event broker helps with day 2 operations

10. vRealize Automation Installation

- Describe the vRealize Automation installation procedure
- Configure the vRealize Automation appliance
- Explain the vRealize Automation installation prerequisites
- Perform a vRealize Automation appliance deployment

Who Should Attend

The VMware vRealize Automation Install, Configure, Manage [V7.0] training course is preferred for:

- Experienced System Administrators
- System Integrators who are involved in designing and implementing vRealize Automation

Pre Requisite

Required prerequisites include completion of one of the following:

- VMware vSphere 6.x: Fast Track
- VMware vSphere 6.x: Install, Configure, Manage
- Equivalent knowledge and administration experience with VMware vCenter Server™ and ESX®/VMware ESXi™

The course material presumes that a student can perform the following tasks with no assistance or guidance before enrolling in this course:

- Install vCenter Server
- Install and configure ESX/ESXi
- Create and modify a standard and distributed switch
- Create and manage vCenter Server roles and permissions
- Create vCenter Server objects, such as data centers and folders
- Create a VMware vSphere® VMFS datastore
- Modify a virtual machine’s hardware
- Configure and manage a VMware vSphere® High Availability cluster
- Connect an ESX/ESXi host to NAS, iSCSI, or Fibre Channel storage
- Enable VMware vSphere® vMotion® on an ESX/ESXi host
- Migrate a virtual machine with VMware vSphere® Storage vMotion®
- Use a wizard or a template to create a virtual machine
- Configure and manage a VMware vSphere® Distributed Resource Scheduler™ cluster with resource pools

Exams

VMware Certified Professional (VCP) [VCP6-CMA]

VMware Certified Associate (VCA) [VCA]

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Date - Oct 30, 2026