Enterprise Computing Solutions - Education Services

TRAINING OFFERING

You can reach us at:

9201 Dry Creek Rd. Centennial, CO 80112, United States

Email: arrow_learning@arrow.com
Phone: 303 790 2330

VMware vRealize Automation: Install Configure Manage [V7.3]

CODE:	LENGTH:	PRICE:
VM-VRA-ICM-V7.3	40 Hours (5 days)	$4,250.00

Description

During this five-day course, you will focus on installing, configuring, and managing VMware vRealize® Automation™.
You will 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.

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

Audience

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

Prerequisites

This course requires completion of one of the following courses:
• VMware vSphere: Install, Configure, Manage [V6.5]
• VMware vSphere: Fast Track [V6.5]

Experience with working at the command line is helpful.

The course presumes that a student can perform the following tasks with no assistance or guidance before enrolling in this course:
• Install and configure VMware ESX®/VMware ESXi™
• Install VMware vCenter Server®
• Create vCenter Server objects, such as data centers and folders
• Create and manage vCenter Server roles and permissions
• Create and modify a standard switch
• Create and modify a distributed switch
• Connect an ESX/ESXi host to NAS, iSCSI, or Fibre Channel storage
• Create a VMware vSphere® VMFS datastore
• Enable VMware vSphere® vMotion® on an ESX/ESXi host
• Use a wizard or a template to create a virtual machine
• Modify a virtual machine's hardware
• Migrate a virtual machine with vSphere vMotion
• Migrate a virtual machine with VMware vSphere® Storage vMotion®
• Configure and manage a VMware vSphere® Distributed Resource Scheduler™ cluster with resource pools
• Configure and manage a VMware vSphere® High Availability cluster
If you are unable to complete all of these tasks, VMware recommends that you complete one of the prerequisite courses before enrolling in VMware vRealize Automation: Install, Configure, Manage.

Programme

1 Course Introduction
• Introductions and course logistics
• Course objectives

2 vRealize Automation Overview and Architecture
• Describe the software-defined data center
• Explain the purpose of vRealize Automation
• Explain the concepts of vRealize Automation administration and self-service provisioning
• Describe where vRealize Automation fits in the VMware product line
• Discuss use cases for vRealize Automation
• 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
• Identify how vRealize Automation integrates with other VMware products

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

4 Converged Blueprints, Containers and Catalog Management
• Define blueprints
• Identify the process and options for configuring blueprints
• Create a blueprint with a single virtual machine
• Create a blueprint with multiple virtual machines
• Use parameters in blueprints
• Create and manage containers
• Identify the role of the service catalog
• Define catalog items
• Use entitlements to manage catalog items

5 Consuming Catalog Services
• Request a single-machine service
• Monitor the service provisioning status
• Reconfigure a provisioned machine
• Manage snapshots
• Identify roles involved in creating approval policies
• Identify approval policy level
• Identify approval phases
• Create and apply approval policies for catalog items
• 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

6 Integrating NSX
• Identify NSX capabilities
• Describe the NSX components that vRealize Automation uses
• Describe the benefits of NSX integration with vRealize Automation
• Integrate vRealize Automation with NSX
• Use NSX elements in vRealize Automation blueprints

7 Application Authoring
• Detail the lifecycle of a vRealize Automation application deployment
• Author an application blueprint
• Deploy an application blueprint from the service catalog

8 Monitoring and Reclamation
• Identify how to monitor resource use
• Demonstrate how to reclaim resources
• Demonstrate how to manage machine leases
• Monitor system events

9 vRealize Automation Extensibility
• Identify the vRealize Automation extensibility tools
• Identify the vRealize Automation extensibility use cases
• Use vRealize CloudClient to export a blueprint
• Use vRealize Orchestrator
• Use vRealize Orchestrator plug-ins for external integration
• Describe anything-as-a-service (XaaS) components
• Create an XaaS blueprint
• Describe how the event broker service enhances extensibility
• Identify the appropriate subscription types and options for a subscription
• Describe the two event broker event types
• Identify the three event broker phases
• Illustrate the master workflow
• Describe the necessary requirements for passing custom properties to workflows
• Explain how the event broker helps with day 2 operations
• Use scale-in and scale-out to size virtual appliances
• Integrate vSphere VM storage policies into blueprints.
10 vRealize Automation Installation
• Explain the vRealize Automation installation prerequisites
• Describe the vRealize Automation installation procedure
• Perform a vRealize Automation appliance deployment
• Configure the vRealize Automation appliance

Session Dates

On request. Please Contact Us

Additional Information

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