

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

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
  - Describe 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 VMware vSphere® virtual machine 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