VMware vRealize Automation: Install, Configure, Manage [V6.2]

Overview: This training course focuses on installing, configuring, and managing VMware vRealize™ Automation. This course covers the configuration and use of the vRealize Automation platform, including self-service provisioning and the creation of multivendor cloud services. This class also helps students understand and achieve the benefits of automation as a component of the software-defined data center.

Students who complete this course may enroll in an advanced vRealize Automation course. For advanced course options, go to www.vmware.com/education.

Objectives:
- Describe the vRealize Automation architecture and use case in today's multivendor cloud environments
- Install and configure vRealize Automation 6.2
- Deploy Distributed Execution Managers and agents for vRealize Automation connectivity
- Configure endpoints to support compute fabric connectivity
- Manage vRealize Automation 6.2 entities on VMware hardware, third-party hardware, and cloud infrastructures
- Configure vRealize Automation infrastructure services
- Configure and manage tenants and blueprints
- Configure and manage a service catalog
- Configure and manage role-based access control
- Request and manage machines through the user portal
- Analyze and configure vRealize Automation workflows
- Integrate VMware vRealize™ Orchestrator™ with vRealize Automation
- Automate application provisioning with VMware vRealize™ Application Services
- Manage and monitor machines and resource reclamation
- Manage cost reporting with VMware vRealize™ Business™

Intended Audience: Experienced system administrators, cloud administrators, system integrators, and operational developers

Prerequisites: VMware vSphere: Install, Configure, Manage [V5.x] or equivalent knowledge

Outline:

1. Course Introduction
   - Introductions and course logistics
   - Course outline
   - Course goals
   - Course objectives
2. Architecture and Components
   - Identify the components of a vRealize Automation deployment that is used to manage a multivendor hybrid cloud
   - 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
   - Explain the concept of multitenancy
   - Identify the abstraction layers of the vRealize Automation cloud
   - Identify the administrator roles used by vRealize Automation
3. Installation
   - Explain the vRealize Automation installation prerequisites
   - Identify the vRealize Automation appliances and component installers
   - Define the vRealize Automation installation procedure
4. Configuring IaaS
   - Define relationships between vRealize Automation entities
   - Identify and configure vRealize Automation endpoints
   - Identity how vRealize Automation discovers compute resources
   - Define vRealize Automation roles
   - Identify fabric groups, business groups, and reservations
   - Create tenants
   - Create and manage reservations for compute resources
5. Blueprints and Catalog Services
   - Create and manage single-machine and multimachine blueprints
   - Manage service catalog items with entitlements and approval policies
6. Provisioning Services
   - Provision new machines and services
   - Manage self-provisioned machines
   - Create approval policies
   - Identify approval policy levels and approval phases
   - Use custom properties
   - Use build profiles
   - Use the property dictionary

7. Extensibility
    o Identify extensibility and customization options
    o Use vRealize Orchestrator
    o Configure plug-ins for external integration
    o Use the Advanced Service Designer
    o Create custom forms and services
8. Monitoring and Reclamation
    o Identify and verify inactive and abandoned resources
    o Manage machine leases
    o Manage machine reclamation
9. Operational Management
    o Configure vRealize Business
    o Report financial data for a cloud infrastructure
    o Troubleshoot common vRealize Business problems
10. Managing Applications
    o Define the role of vRealize Application Services
    o Identify vRealize Application Services infrastructure components and requirements
    o Deploy and manage vRealize Application Services
    o Configure application provisioning
    o Create, manage, and update applications
    o Manage catalog services