5 Days | VMware vRealize Automation: Install, Configure, Manage [V7.3]

VMware vRealize Automation: ICM [V7.3] is the upgraded version of 7.0 where you will learn to install, configure, and manage VMware vRealize® Automation™. The course enables you to configure and use the vRealize platform, self-service provisioning, and creation of catalog services which includes predefined virtual machines, software components, and, on-demand VMware NSX® networks.

Furthermore, you will learn to interface vRealize Automation with other systems in order to leverage the workflow, create approval cycle, manage machine lifecycles, and thus derive the benefits of automation as the software-defined data center.

Course Objective:

- Upon completion of this course, you will be able to:
- Install and configure vRealize Automation
- Explain vRealize Automation architecture
- Manage vRealize Automation on VMware, 3rd party cloud, virtual, and physical infrastructures
- Configure and manage catalogs, blueprints, business groups, and reservations
- Manage machines according to vRealize Automation approval and governance policies
- Describe vRealize Automation extensibility and workflows
- Manage and monitor the machines
- Manage and monitor resource reclamation

Course Details

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Course Outline

1. Course Introduction

- Introduction, Logistics, and Objectives

2. vRealize Automation Overview and Architecture

- Software-defined data center description
- Purpose, Concepts, and Components of vRealize Automation
- vRealize Automation administration and self-service provisioning
- Use cases for vRealize Automation
- Integration of vRealize Automation with other VMware products

3. Authentication, Fabric, and Tenants

- Identity management, Authentication methods in vRealize Automation
- Create tenants and multi-tenant practices
- vRealize Automation compute resources
- Fabric groups, business groups, and reservations
- Create and manage reservations

4. Blueprints, Containers, and Catalog Management

- Blueprints process, creation with single/multiple virtual machines
- Use parameters in blueprints
- Describe containers
- Define catalog items, service catalog roles, and its management

5. Consuming Catalog Services

- Monitor the service provisioning
- Manage snapshots
- Identify, create and apply approval policy
- Use custom properties to modify the provisioning process
- Use property groups to group sets of custom properties

6. Integrating NSX

- Identify NSX capabilities and its components
- Benefits of NSX integration with vRealize Automation
- Integrate vRealize Automation with NSX
- Use NSX elements in vRealize Automation blueprints

7. Application Authoring

- Lifecycle of a vRealize Automation application deployment
- Author and deploy an application blueprint

8. Monitoring and Reclamation

- Monitor resource use, and system events
- Reclaim resources and manage machine leases

9. vRealize Automation Extensibility

- vRealize Automation extensibility tools and use cases
- vRealize CloudClient, Orchestrator
- XaaS components
- Event broker types and phases
- Describe the two event broker event types
- Custom properties of workflows
- Scale-in and scale-out to size virtual appliances

11. vRealize Automation Installation

- vRealize Automation installation prerequisites and procedure
- vRealize Automation appliance deployment
- Configure vRealize Automation appliance

Who Should Attend

- System administrators
- System Integrators

Pre Requisite

The participant must have completed one of the mentioned courses below

- VMware vSphere: Install, Configure, and Manage [6.5]
- VMware vSphere: Fast Track [v6.5]

Date - Jun 18, 2025