VMWA-9 - VMWARE VREALIZE AUTOMATION INSTALL, CONFIGURE, MANAGE [V8.3]

Categoria: VMware

INFORMAZIONI SUL CORSO

Durata:	Categoria:	Qualifica Istruttore:	Dedicato a:	Produttore:
5 Giorni	VMware	VMware Certified Instructor	Professionista IT	VMware

OBIETTIVI

By the end of the course, you should be able to meet the following objectives:
- Describe the vRealize Automation architecture and use cases in cloud environments
- Manage vRealize Automation entities on VMware and third-party virtual and cloud infrastructures
- Configure and manage Cloud Accounts, Projects, Flavor Mappings, Image Mappings, Network Profiles,
- Storage Profiles, Volumes, Tags, and Services
- Create, modify, manage, and deploy Cloud Templates
- Connect to a Kubernetes Cluster and manage namespaces
- Customize services and virtual machines with cloudConfig
- Configure and manage the Service Broker
- Configure and manage ABX actions, custom properties, event broker subscriptions, and vRealize
- Orchestrator workflows
- Integrate with vRealize Orchestrator
- Install vRealize Automation with Lifecycle Configuration Manager
- Describe Cloud Automation Services (Cloud Assembly and Code Stream).
- Integrate Cloud Assembly with Terraform and SaltStack
- Use logs and CLI commands to monitor and troubleshoot vRealize Automation

PREREQUISITI

This course requires completion of one of the following courses:
- VMware vSphere: Install, Configure, Manage
- VMware vSphere: Fast Track

Experience working at the command line is helpful.

This course requires that a student be able to perform the following tasks with no assistance or guidance before enrolling in this course:
- Create VMware vCenter Server® objects, such as data centers and folders
- Create a virtual machine using a wizard or a template
- Modify a virtual machine's hardware
- Migrate a virtual machine with VMware vSphere® vMotion®

-Migrate a virtual machine with VMware vSphere® Storage vMotion®

-Configure and manage a vSphere DRS cluster with resource pools.

-Configure and manage a VMware vSphere® High Availability cluster.

If you cannot perform all of these tasks, VMware recommends that you complete one of the prerequisite courses before enrolling in VMware vRealize Automation: Install, Configure, Manage.

CONTENUTI

1 Course Introduction

-Introductions and course logistics

-Course objectives

2 vRealize Automation Overview and Architecture

-Describe the purpose and functionality of vRealize Automation

-Describe the vRealize Automation architecture

-Describe the use of VMware Workspace ONE® AccessTM

-Describe the relationship between Kubernetes clusters, containers, and vRealize Automation services

-Describe CLI commands for vRealize Automation 8 cluster management

-Describe Cloud Assembly

-Describe Service Broker

-Describe Code Stream

3 Installing vRealize Automation

-List the different vRealize Automation deployment types

-Describe the purpose of vRealize easy installer

-Describe the vRealize Automation installation process

4 Authentication and Authorization

-Identity the steps involved in integrating Workspace One with Active Directory

-Describe features of Workspace One

-Describe the user roles available in vRealize Automation

-Identify the key tasks performed by each user role

-Define custom roles

-Configure branding and multitenancy

5 Basic Initial Configuration

-Quickly create a basic configuration with a cloud account, cloud zone, project, flavor mapping, and image mapping.

6 VMware Cloud Templates

-Configure and deploy a basic cloud template

-Create cloud templates that can run on any cloud

-Use cloudConfig to run commands, install software, and create users

-Use YAML for inputs, variables, and conditional deployments

7 Tags and Storage Configuration

-Configure tags

- Describe different types of tags
- Manage tags
- Configure storage profiles
- Use tags and storage profiles

8 Integrating NSX-T Data Center
- List the capabilities and use cases of NSX-T Data Center
- Describe the NSX-T Data Center architecture and components
- Integrate NSX-T Data Center with vRealize Automation
- List the supported network profiles in vRealize Automation
- Use NSX-T Data Center components to design a multitier application Cloud Template
- Identify the network and security options available in design canvas
- Create and manage on-demand networks and security groups
- Configure NSX-T day 2 actions

9 Integrating with Public Clouds
- Configure and use VMware Cloud Foundation accounts
- Configure and use an AWS cloud account
- Configure and use an Azure cloud account
- Configure and use a Google Cloud Platform cloud account

10 Using Service Broker for Catalog Management
- Release a VMware Cloud Template™
- Define content source and content sharing
- Define Service Broker policy enforcement
- Use custom forms for catalog items

11 vRealize Automation Extensibility
- Describe Extensibility
- Use event topics
- Create a subscription
- Call a vRealize Orchestrator workflow
- Create ABX actions

12 Using Code Stream
- Introduction to Code Stream
- The CI/CD process
- Integrate GitLab with Code Stream and Cloud Assembly
- Use Code Stream to install software

13 Using Terraform
- Integrate Cloud Assembly with Terraform
- Use Terraform with a VMware Cloud Template
- Use Terraform with Code Stream

14 Using Kubernetes Clusters
- Introduction to Kubernetes
- Connect to an existing Kubernetes Cluster
- Integrate VMware Tanzu™ Grid Integrated Edition

-Create a Supervisor Namespace as a catalog item

15 Using SaltStack for Configuration Management

-Introduction SaltStack with vRealize Automation

-Use SaltStack for software deployment

-Use SaltStack for configuration management

-Use SaltStack with event-driven orchestration

16 vRealize Automation Troubleshooting and Integration

-Location of logs

-Using Activity

-Monitoring deployment history

-Basic troubleshooting

-CLI commands

-Collecting logs (VAMI console)

-Integration with VMware vRealize® Log Insight™

-Integration with vRealize Operations

-Migrating vRealize Automation 7.x to 8

INFO

Esame: 2V0-31.21 - Professional VMware vRealize Automation 8.3 --- VMware Certified Professional - Cloud Management and Automation (VCP-CMA)

Materiale didattico: Materiale didattico ufficiale VMware in formato digitale

Costo materiale didattico: incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)