



Enterprise Computing Solutions - Education Services

## NABÍDKA ŠKOLENÍ

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**Prosím kontaktujte nás zde**

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# VMware vRealize Automation: Install, Configure, Manage [V8.3]

<b>Kód:</b>	<b>DÉLKA:</b>	<b>CENA:</b>
VMW_VRAICM83	40 Hours (5 DENNÍ)	Kč bez DPH 50,000.00

## Description

Tento pětidenní kurz je zaměřen na instalaci, konfiguraci a správu VMware vRealize® Automation™. Dozvíte se, jak lze vRealize Automation použít k automatizaci poskytování virtuálních strojů, aplikací a personalizovaných IT služeb napříč různými datovými centry a hybridními cloudovými prostředími.

Kurz popisuje, jak spravovat místní systémy i cloudové služby. Dále, jak může vRealize Automation Service Broker centralizovat obsah v nativních formátech z více cloudů a platform do společného katalogu.

Tento kurz také zahrnuje, jak vRealize Automation lze propojit s jinými systémy pomocí VMware vRealize® Orchestrator™ a jak používat vRealize Automation ke správě systémů Kubernetes a využití dalších systémů. Kurz také zahrnuje integraci s Terraformem a využití SaltStack jako nástroje pro správu konfigurace.

Prakticky zaměřený kurz s intenzivním využitím labů. Během pěti dní je připraveno na 39 cvičení.

## Cíle

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

## Určeno pro

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

## Vstupní znalosti

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.

## Program

### 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® Access™
- 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

- Identify 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

## 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

## 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

## Termíny školení

Datum	Místo konání	Časové pásmo	Jazyk	Typ	Garance termínu	CENA
30 Nov 2023			čeština	Self Paced Training		Kč bez DPH 45,000.00

## Dodatečné informace

Školení je možné zajistit na míru. [Kontaktujte nás pro bližší informace.](#)