

# VMware vRealize Automation: Install, Configure, Manage (V8.0)

## VMware vRealize Automation: Install, Configure, Manage (V8.0)



Seminar



Zurzeit keine Termine



Teilnahmebescheinigung



Präsenz / Virtual Classroom



40 Unterrichtseinheiten

Seminarnummer: 26724 | Herstellernummer: VM-VRAICMV8.0

Stand: 03.05.2024. Alle aktuellen Informationen finden Sie unter <https://akademie.tuv.com/s/26724>

During this five-day course you learn about how vRealize Automation can be used to automate the delivery of virtual machines, applications, and personalized IT services across different data centers and hybrid cloud environments. The course covers how to manage both on-premise systems and cloud services. The course covers how vRealize Automation Service Broker can aggregate content in native formats from multiple clouds and platforms into a common catalog. This course also covers interfacing vRealize Automation with other systems using VMware vRealize® Orchestrator(TM) and how to use vRealize Automation to manage Kubernetes systems and leverage systems like Ansible.

## Nutzen

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 Blueprints
- Connect to a Kubernetes Cluster and manage images and deployments
- Customize services 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)
- Use logs and CLI commands to monitor and troubleshoot vRealize Automation

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# Zielgruppe

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

## Voraussetzungen

This course requires completion of one of the following courses:

- VMware vSphere: Install, Configure, Manage [V6.x]
- VMware vSphere: Fast Track [V6.x]

Experience working at the command line is helpful.

## Inhalte des Seminars

### 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(TM)
- 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 vRealize Automation Installation

- List the different vRealize Automation deployment types
- Explain the purpose of vRealize easy installer
- Recognize the vRealize Automation installation process

### 4 Authentication and Authorization

- Identify the steps involved in integrating Workspace One with Active Directory
- Recognize features of Workspace One
- Recognize the user roles available in vRealize Automation
- Identify the key tasks performed by each user role

### 5 Basic Initial Configuration

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

### 6 Creating and Deploying a Basic Blueprint

- Configure a basic blueprint
- Deploy a basic blueprint

## 7 Tags and Storage Configuration

- Configure tags
- Configure storage profiles
- Describe volumes
- Use tags and storage profiles in a blueprint

## 8 Advanced Blueprints

- Use YAML coding in blueprints, including user inputs, text formatting, and conditional expressions
- Create a blueprint for multiple clouds
- Use iterative design and version control in blueprints
- Use Cloud-Config

## 9 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 blueprint
- Identify the network and security options available in design canvas

## 10 Cloud Accounts

- Configure and use an AWS cloud account
- Configure and use an Azure cloud account
- Configure and use a Google Cloud Platform cloud account
- Use VMware Marketplace

## 11 Service Broker

- Describe the use case of Service Broker
- Define content source and content sharing
- Define Service Broker policy enforcement
- Use custom forms for catalog items

## 12 Customization of Blueprints

- Use CloudConfig and Cloud-Init
- Customize the hostname
- Create users
- Install software
- Manage the power state

## 13 vRealize Automation Extensibility

- Describe ABX actions
- Set custom properties
- Create event topics

- Create subscriptions
- Create and use workflows
- Integrate vRealize Automation with vRealize

## Terminübersicht und Buchung

Buchen Sie Ihren Wunschtermin jetzt direkt online unter <https://akademie.tuv.com/s/26724> und profitieren Sie von diesen Vorteilen:

- Schneller Buchungsvorgang
- Persönliches Kundenkonto
- Gleichzeitige Buchung für mehrere Teilnehmer:innen

Alternativ können Sie das Bestellformular verwenden, um via Fax oder E-Mail zu bestellen.