



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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

CODE:	LENGTH:	PRICE:
VMW_VRAICM8	40 Hours (5 days)	CHF3,950.00

### Description

This five-day course includes instruction on advanced capabilities, including customization and management, and explains the architecture of VMware vRealize® and different ways of deploying vRealize operations. This course explains certificates, capacity concepts, and workload optimization with real-world use cases. This course covers troubleshooting using dashboards and how-to managing configurations. This course also covers management packs such as those for or in the SDDC Management Health solution, VMware vRealize® Service Discovery™ Management Pack, and VMware vRealize® Orchestrator™. In general, this course explains how to use and configure most of the new features and enhancements in version 8.0.

### Objectives

**By the end of the course, you should be able to meet the following objectives:**

- Identify features and benefits of vRealize Operations
- Deploy vRealize Operations
- Use interface features to assess and troubleshoot operational issues
- Recognize how to use vRealize Operations components to build scalability and availability
- Recognize effective ways to optimize performance, capacity, and cost in data centers
- Troubleshoot and manage issues and configurations using alerts and dashboards
- Use Telegraf to monitor operating systems and applications
- Create policies to meet the operational needs of your environment
- Create custom alert definitions, reports, and views
- Configure widgets for dashboards
- Configure super metrics
- Set up users and user groups for controlled access to your environment
- Extend the capabilities of vRealize Operations by adding management packs, solutions, and self-monitoring

### Audience

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

### Prerequisites

**Für dieses Seminar werden folgende Vorkenntnisse empfohlen:**

**This class requires system administration experience with VMware vSphere® deployments or completion of one of the following courses:**

- VSICM VMware vSphere: Install, Configure, Manage or
- VSOP VMware vSphere: Optimize and Scale

### Programme

#### Course Introduction

- Introductions and course logistics
- Course objectives

## **User Interface Enhancements**

- Describe how to use vRealize Operations to manage the software-defined data center
- Identify features and benefits of vRealize Operations

## **Deploying vRealize Operations**

- Design and size a vRealize Operations cluster
- Install a vRealize Operations cluster
- Configure a vRealize Operations cluster for high availability
- Describe different vRealize Operations deployment scenarios
- Describe how to use vRealize Lifecycle Manager to deploy vRealize Operations

## **vRealize Operations Architecture and Certificates**

- Describe the functions of the components in a vRealize Operations node
- Identify the types of nodes and their roles in a vRealize Operations cluster
- Recognize how a node's components interact to achieve scalability and availability
- Identify ways that data is collected and analyzed by vRealize Operations
- Describe vRealize Operations certificates

## **vRealize Operations Concepts and Policies**

- Identify the tasks that can be performed in the administration and product user interfaces
- Describe dashboards and their usage
- Use tags to group objects
- Create policies for various types of workloads
- Explain how policy inheritance works

## **Performance Optimization**

- Assess the performance of your environment to determine which data centers need optimization
- Define the business and operational intents for a given data center
- Automate the process of optimizing and balancing the workloads in data centers
- Report on the results of optimization efforts

## **Capacity Optimization and Costing**

- Define capacity planning terms
- Understand capacity planning models
- Assess the overall capacity of a data center and identify optimization recommendations
- Recognize options for rightsizing VMs
- Run what-if scenarios for adding workloads to a data center
- Run what-if scenarios to plan the migration of workloads to the public cloud

## **Managing Configurations and Troubleshooting Pillars**

- Recognize how to troubleshoot issues by monitoring alerts
- Use step-by-step workflows to troubleshoot different vSphere objects
- Assess your environment's compliance to standards
- View the configurations of vSphere objects in your environment

## **Operating System and Application Monitoring**

- Recognize how the Service Discovery manager and Telegraf fits into the vRealize Operations OS and app monitoring
- Deploy the Application remote collector
- Monitor the operating system and applications by using Telegraf

## **Custom Alert Definition**

- Create symptom definitions
- Create recommendations, actions, and notifications

- Create alert definitions that monitor resource demand in hosts and VMs

## Custom Views and Reports

- Build and use custom views in your environment
- Create custom reports for presenting data about your environment

## Custom Dashboards

- Create dashboards that use predefined and custom widgets
- Configure widgets to interact with other widgets and other dashboards
- Configure the Scoreboard widget to use a metric configuration file
- Manage dashboards by grouping dashboards and sharing dashboards with users

## Super Metric

- Recognize different types of super metrics
- Create super metrics and associate them with objects
- Enable super metrics in policies

## User Access Control

- Recognize how users are authorized to access objects
- Determine privilege priorities when a user has multiple privileges
- Import users and user groups from an LDAP source

## Extending and Managing a vRealize Operations Deployment

- Identify the management packs that are available to your environment
- Install and configure a management pack
- Monitor the health of a vRealize Operations cluster
- Generate a support bundle
- View vRealize Operations logs and audit reports
- Perform vRealize Operations cluster management tasks

## Further Information

- Durchführung in Kooperation mit Arrow ECS Österreich.
- Für Produkte, die mit Fremdwährung berechnet werden, behalten wir uns das Recht vor, die Preise bei Währungsschwankungen anzupassen.

## Session Dates

Auf Anfrage. Bitte [kontaktieren Sie uns](#)

## Zusätzliche Information

Diese Schulung ist auch als Vor-Ort-Schulung verfügbar. Bitte kontaktieren Sie uns, um mehr zu erfahren.