

# VMware Cloud on AWS: Deploy and Manage

## Course 4473 – 24 Hours

### Overview

This three-day course teaches you skills for deploying and managing a VMware Cloud™ on AWS infrastructure. Through a mix of 85% lecture and 15% hands-on labs, you deploy and manage the VMware Cloud on AWS and VMware vSphere® features that build a foundation for a hybrid infrastructure. You also discuss when and where these features have the greatest effect. Anyone planning to migrate, build, or hybridize with VMware Cloud on AWS can benefit from this course.

### On Completion, Delegates will be able to

- Describe the architecture of VMware Cloud on AWS
- Access and deploy a VMware Cloud on AWS SDDC
- Differentiate between on-premises VMware vSAN™ and vSAN for VMware Cloud on AWS
- Configure internal, external, and inter-SDDC networking
- Configure a connection between an on-premises vSphere SDDC and a VMware Cloud on AWS SDDC
- Describe how to right size a VMware Cloud on AWS SDDC
- Configure the scale-up and scale-down of a VMware Cloud on AWS SDDC
- Migrate virtual machines between on-premises vSphere and VMware Cloud on AWS SDDCs
- Create and configure virtual machines in VMware Cloud on AWS
- Connect and use other AWS solutions with VMware Cloud on AWS
- Connect and use other VMware solutions with VMware Cloud on AWS
- Configure access and permissions for VMware Cloud on AWS
- Identify best practices for security hardening of a VMware Cloud on AWS SDDC
- Identify best practices for the maintenance of a VMware Cloud on AWS SDDC
- Identify patching considerations, requirements, and best practices for VMware Cloud on AWS when connected to an on-premises vSphere SDDC
- Access support, documentation, and diagnostic information for VMware Cloud on AWS
- Discuss failure and troubleshooting scenarios for a VMware Cloud on AWS SDDC

### Who Should Attend

- Experienced system administrators, system engineers, and system integrators

### Prerequisites

- Understanding of concepts presented in the VMware vSphere: Install, Configure, Manage [V6.7] course or of a later vSphere version.
- Equivalent knowledge and administration experience with VMware ESXi™ and VMware vCenter Server®.
- High-level understanding of vSAN and VMware NSX® for vSphere®.

## Course Contents

---

### **Course Introduction**

- Introductions and Course Logistics
- Course Objectives
- Identify Additional Resources for after this Course
- Identify Other VMware Education Offerings

### **Introduction to VMware Cloud on AWS**

- Why Choose VMware Cloud on AWS
- Overview of VMware Cloud on AWS
- Integrations with AWS
- Licensing, Pricing, and Billing

### **Managing the SDDC and creating Virtual Machines**

- Creating and Managing Users in VMware Cloud on AWS
- Deploying and Accessing an SDDC
- Transferring Content to the SDDC
- Creating Virtual Machines

### **VMware Cloud on AWS: Networking**

- Overview of VMware Cloud on AWS Networking
- Configure Management Gateway Networking
- Configure Compute Gateway Networking
- Inter-SDDC Networking

### **VMware Cloud on AWS: Storage**

- VMware vSAN in VMware Cloud on AWS
- Using Amazon S3 with VMware Cloud on AWS
- Using Amazon EFS with VMware Cloud on AWS

### **Working with On-Premises VMware vSphere**

- Hybrid Linked Mode
- Hybrid Cloud Extension
- Migrating Virtual Machines

### **VMware Cloud on AWS Permissions and Security**

- Understand VMware Cloud on AWS Permissions
- Security Hardening for VMware Cloud on AWS

### **Scaling the SDDC and Host Management**

- Sizing the SDDC
- Cluster Management
- Add and Remove Hosts
- Host Remediation

### **Resource Management and Availability**

- vSphere DRS and Elastic DRS
- HA and vSphere FT

#### **Using Other VMware Products with the SDDC**

- Site Recovery Add-On Service
- VMware Horizon®
- VMware vRealize® Automation™
- Using APIs and VMware vSphere® PowerCLITM

#### **Maintaining and Troubleshooting VMware Cloud on AWS**

- Best Practice Maintenance
- Support and Staying Up-to-Date
- Common Troubleshooting Steps
- Next Steps to use VMware Cloud on AWS