

# VMware Cloud on AWS: Design, Configure, Manage

## Course Overview

This four-day, hands-on training course provides you with the knowledge, skills, and tools for deploying and managing a VMware Cloud™ on AWS infrastructure. You will explore the common use cases of the VMware Cloud on AWS infrastructure that allows you to modernize, protect, and scale applications based on VMware vSphere® that leverages Amazon Web Services (AWS).

In this course, you are introduced to various rapid and easy migration options for moving workloads based on vSphere from on-prem to VMware Cloud on AWS. In addition, you are presented with VMware Cloud Disaster Recovery™, which is a Disaster Recovery as-a-service (DRaaS) solution. This solution provides fast recovery capabilities that can be used to cost-effectively protect a broad set of your virtualized applications.

## Course Objectives

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

- Describe the architecture of VMware Cloud on AWS
- Prepare and deploy the VMware Cloud on AWS SDDC
- Configure the scale-up and scale-down of a VMware Cloud on AWS SDDC
- Access a VMware vCenter® configuration in VMware Cloud on AWS
- Configure internal, external, and inter-SDDC networking
- Configure storage integrations and solutions for VMware Cloud on AWS
- Configure a connection between an on-premises vSphere SDDC and a VMware Cloud on AWS SDDC
- Migrate VMs between on-premises vSphere and VMware Cloud on AWS SDDCs
- Describe life cycle management, troubleshooting scenarios, and disaster recovery solutions for a VMware Cloud on AWS SDDC
- Describe how VMware add-on solutions support a VMware Cloud on AWS SDDC

## Target Audience

- Experienced system administrators, system engineers, and system integrators

## Prerequisites

Before taking this course, students should take the following courses or have equivalent knowledge and experience:

- [VMware vSphere: Install, Configure, Manage](#)
- [VMware NSX: Install, Configure, Manage](#)

### Course Delivery Options

- Classroom
- Live Online
- [Private Training](#)
- [On Demand](#)

### Product Alignment

- VMware Cloud on AWS
- VMware ESXi™ 8.0
- VMware vCenter® 8.0
- VMware vSAN™ 8.0
- VMware NSX® 4.0

## Course Modules

### 1 Course Introduction

- Introductions and course logistics
- Course objectives

### 2 Introduction to VMware Cloud on AWS

- Choosing VMware Cloud on AWS
- Management and operational structure

### 3 VMware Cloud on AWS Platform and SDDC Deployment Preparation

- Getting started with VMware Cloud on AWS
- Preparing the AWS infrastructure for a VMware Cloud on AWS deployment
- Setting up a VMware on Cloud AWS account
- Billing and pricing on VMware Cloud services

### 4 Deploying and Scaling an SDDC

- Deploying and examining SDDC configurations
- Sizing the SDDC
- SDDC cluster management
- SDDC host management
- Optimizing and maintaining an SDDC cluster using Elastic DRS for VMware Cloud on AWS

### 5 Accessing and Analyzing vCenter Configurations

- Accessing vCenter in the Cloud SDDC
- Creating virtual machines in the Cloud SDDC
- Analyzing resource management settings in the SDDC
- Exploring vSphere permissions on VMware Cloud on AWS
- VMware Tanzu® for VMware Cloud on AWS

### 6 Networking in VMware Cloud on AWS

- Internal SDDC network
- SDDC Network Administration with NSX Manager
- Networking and security options
- Inter-SDDC networking

### 7 Storage on VMware Cloud on AWS

- vSAN storage in VMware Cloud on AWS
- Attaching external storage to a VM running on an SDDC

### 8 Working with On-Premises vSphere

- Hybrid-linked mode
- Migration solutions for VMware Cloud on AWS
- VM migration with VMware HCX®

### 9 Maintaining and Troubleshooting VMware Cloud on AWS

- Accessing API with VMware Cloud on AWS
- Maintenance and support
- Common troubleshooting steps

### 10 Disaster Recovery Solution

- VMware Site Recovery™ add-on service
- VMware Cloud Disaster Recovery

### 11 Using Other VMware Products with the SDDC

- VMware Aria Operations™ for Logs (formerly VMware vRealize® Log Insight™)
- VMware Horizon® with VMware Cloud on AWS
- VMware Aria Automation™ add-on (formerly VMware vRealize® Automation™)
- Using VMware Aria Operations™ with VMware Cloud on AWS
- Using VMware Aria Operations™ for Networks (formerly VMware vRealize® Network Insight™) with VMware Cloud on AWS

## Contact

If you have questions or need help registering for this course, click [here](#).



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