VMware Cloud on AWS: Deploy and Manage 2021 Training

Duration: 4 Days

Course Content:

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 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 leverage AWS. In this course, you are introduced to various rapid and easy migration options for workloads based on vSphere 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, with fast recovery capabilities, that can be used to cost-effectively protect a broad set of your virtualized applications.

Who should attend?

- Experienced system administrators, system engineers, and system integrators.

Prerequisites for this training

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

- VMware vSphere: Install, Configure, Manage
- VMware vSAN™ and HCI Fundamentals
- VMware NSX-T Data Center: Install, Configure, Manage

What you will learn

- Describe the architecture of VMware Cloud on AWS
- Deploy a VMware Cloud on AWS SDDC and virtual machines (VMs)
- Configure internal, external, and inter-SDDC networking
- Describe and 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
- 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
- Describe and configure disaster recovery solutions
- Describe additional services that add value to a VMware Cloud on AWS SDDC
- Describe lifecycle, troubleshooting scenarios, and support resources for a VMware Cloud on AWS SDDC

Curriculum

Module 1: Course Introduction

- Introductions and course logistics
- Course objectives

Module 2: Introduction to VMware Cloud on AWS

- Why choose VMware Cloud on AWS
- Management and operational structure

Module 3: VMware Cloud on AWS Platform and SDDC Deployment Preparation

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

Module 4: Deploying and Scaling and 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

Module 5: Accessing and Analyzing vCenter Configurations

- Accessing vCenter Server in the Cloud SDDC from the public internet
- Creating virtual machines in the Cloud SDDC
- Analyzing HA, DRS, and resource pools settings in the SDDC
- Analyzing vSphere permissions

Module 6: Networking in VMware Cloud on AWS

- Internal SDDC network
- Networking and security options
- Inter-SDDC networking

Module 7: Storage on VMware Cloud on AWS

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

Module 8: Working with On-Premises vSphere

- Hybrid linked mode
- VMware Cloud on AWS migration solutions
- Virtual machine migration with VMware Hybrid Cloud Extension

Module 9: Maintaining and Troubleshooting VMware Cloud on AWS

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

Module 10: Disaster Recovery Solution

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

Module 11: Using Other VMware Products with the SDDC

- VMware vRealize® Log Insight Cloud™
- VMware Horizon® with VMware Cloud on AWS
- VMware vRealize® Automation Cloud™ add-on