vmware EDUCATION SERVICES

VMware Cloud on AWS: Deploy and Manage

Course Overview

This three-day course teaches you skills for deploying and managing a VMware Cloud™ on AWS infrastructure. Through a mix of lecture and interactive, simulated labs, you will 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.

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
- 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 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

Target Audience

Experienced system administrators, system engineers, and system integrators

Prerequisites

Complete the following course or have the knowledge, experience and understanding listed below:

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

Course Delivery Options

- Classroom
- Live Online
- Onsite
- On Demand

Product Alignment

- VMware Cloud on AWS 1.X
- ESXi 6.7
- vCenter Server 6.7
- vSAN 6.7

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- NSX-T Data Center 2.4

Course Modules

1 **Course Introduction**
- Introductions and course logistics
- Course objectives
- Identifying additional resources for after this course
- Identifying other VMware Education Offerings

2 **Introduction to VMware Cloud on AWS**
- Why choose VMware Cloud on AWS
- Overview of VMware Cloud on AWS
- Billing and pricing

3 **Managing the SDDC and Creating Virtual Machines**
- Creating and managing users in VMware Cloud on AWS
- Deploying and accessing SDDCs
- Creating Virtual Machines

4 **Networking in VMware Cloud on AWS**
- Overview of VMware Cloud on AWS networking
- Networking design of VMware Cloud on AWS
- Networking operations
- Inter-SDDC networking

5 **Storage on VMware Cloud on AWS**
- vSAN in VMware Cloud on AWS
- Stretched clusters
- External storage integrations and solutions

6 **Working with On-Premises vSphere**
- Hybrid linked mode
- Hybrid Cloud Extension
- Migrating Virtual Machines
- vSphere permissions

7 **Scaling the SDDC and Managing Hosts**
- Sizing the SDDC
- Cluster management
- Adding and removing hosts
- Host remediation

8 **Resource Management and Availability**
- VMware vSphere® Distributed Resource Scheduler™ and Elastic DRS for VMware Cloud™ on AWS
- vSphere HA

9 **Using Other VMware Products with the SDDC**
- Site Recovery Add-On Service
- VMware Horizon®
- VMware vRealize® Suite
- VMware Cloud Marketplace™
- Using APIs with VMware Cloud on AWS

10 **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

Contact

If you have questions or need help registering for this course, click here.