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Learning Style: Virtual Classroom

Technology: VMware

Difficulty: Intermediate

Course Duration: 5 Days

VMware Cloud on AWS: Deploy and Manage 2024



About this Course:

This three-day course teaches you skills for deploying and managing a VMware Cloud™ on AWS infrastructure. Through a mix of lecture and 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 will benefit from this course.

Course 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

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 vSAN and HCI Fundamentals
- Introduction to Network Virtualization with NSX

Course Outline:

1 Course Introduction
- Introductions and course logistics
- Course objectives

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
- Managing Elastic DRS for VMware Cloud on AWS
- Evaluating VMware vSphere® Distributed Resource Scheduler™ and VMware vSphere® High Availability configurations in VMware Cloud on AWS

9 Using Other VMware Products with the SDDC
- Site Recovery Add-On Service
- Project Dimension: VMware Cloud™ on AWS Outposts and VMware Cloud™ on Dell EMC
- VMware Horizon®
- VMware vRealize® Suite
- VMware Cloud Marketplace™
- 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 in using VMware Cloud on AWS

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