

VMware Cloud on AWS: Deploy and Manage 2020

Course Summary

Description

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.

Objectives

At the end of this course, students will be able to:

- 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

Topics

- Course Introduction
- Introduction to VMware Cloud on AWS
- Managing the SDDC and Creating Virtual Machines
- Networking in VMware Cloud on AWS
- Storage on VMware Cloud on AWS
- Working with On-Premises vSphere
- Scaling the SDDC and Managing Hosts
- Resource Management and Availability
- Using Other VMware Products with the SDDC
- Maintaining and Troubleshooting VMware Cloud on AWS

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

Duration

Three days

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Course Outline

I. Course Introduction

- A. Introductions and course logistics
- B. Course objectives

II. Introduction to VMware Cloud on AWS

- A. Why choose VMware Cloud on AWS
- B. Overview of VMware Cloud on AWS
- C. Billing and pricing

III. Managing the SDDC and Creating Virtual Machines

- A. Creating and managing users in VMware Cloud on AWS
- B. Deploying and accessing SDDCs
- C. Creating Virtual Machines

IV. Networking in VMware Cloud on AWS

- A. Overview of VMware Cloud on AWS networking
- B. Networking design of VMware Cloud on AWS
- C. Networking operations
- D. Inter-SDDC networking

V. Storage on VMware Cloud on AWS

- A. vSAN in VMware Cloud on AWS
- B. Stretched clusters
- C. External storage integrations and solutions

VI. Working with On-Premises vSphere

- A. Hybrid linked mode
- B. Hybrid Cloud Extension
- C. Migrating Virtual Machines
- D. vSphere permissions

VII. Scaling the SDDC and Managing Hosts

- A. Sizing the SDDC
- B. Cluster management
- C. Adding and removing hosts
- D. Host remediation

VIII. Resource Management and Availability

- A. Managing Elastic DRS for VMware Cloud on AWS
- B. Evaluating VMware vSphere Distributed Resource Scheduler and VMware vSphere High Availability configurations in VMware Cloud on AWS

IX. Using Other VMware Products with the SDDC

- A. Site Recovery Add-On Service
- B. Project Dimension: VMware Cloud on AWS Outposts and VMware Cloud on Dell EMC
- C. VMware Horizon
- D. VMware vRealize Suite
- E. VMware Cloud Marketplace
- F. APIs with VMware Cloud on AWS

X. Maintaining and Troubleshooting VMware Cloud on AWS

- A. Best practice maintenance
- B. Support and staying up to date
- C. Common troubleshooting steps
- D. Next steps in using VMware Cloud on AWS