

[VMAWSDM]: VMware Cloud on AWS: Deploy and Manage 2020

Length	: 3 Days
Level	: Intermediate
Technology	: VMware
Delivery Method	: Instructor-led (Classroom)

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 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.

Audience Profile

Experienced system administrators, system engineers, and system integrators

Product Alignment

- VMware Cloud on AWS
- VMware ESXi™ 7.0
- VMware vCenter Server® 7.0
- VMware vSAN™ 7.0
- VMware NSX-T™ Data Center 2.5

At Course Completion

After completing this course, participants 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

AVANTUS TRAINING PTE LTD

80 Jurong East Street 21 #04-04 Devan Nair Institute Singapore 068897

Main Line: +65 6661 0888 | Fax: +65 6661 0886

Email: enquiries@AvantusTraining.com

www.AvantusTraining.com

Pre-Requisites

- VMware vSphere: Install, Configure, Manage
- VMware vSAN and HCI Fundamentals
- Introduction to Network Virtualization with NSX

Course Outline**Module 1: Course Introduction****Lessons**

- Introductions and course logistics
- Course objectives

Module 2: Introduction to VMware Cloud on AWS**Lessons**

- Why choose VMware Cloud on AWS
- Overview of VMware Cloud on AWS
- Billing and pricing

Module 3: Managing the SDDC and Creating Virtual Machines**Lessons**

- Creating and managing users in VMware Cloud on AWS
- Deploying and accessing SDDCs
- Creating Virtual Machines

Module 4: Networking in VMware Cloud on AWS**Lessons**

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

Module 5: Storage on VMware Cloud on AWS**Lessons**

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

Module 6: Working with On-Premises vSphere**Lessons**

- Hybrid linked mode
- Hybrid Cloud Extension
- Migrating Virtual Machines
- vSphere permissions

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Module 7: Scaling the SDDC and Managing Hosts**Lessons**

- Sizing the SDDC
- Cluster management
- Adding and removing hosts
- Host remediation

Module 8: Resource Management and Availability**Lessons**

- 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

Module 9: Using Other VMware Products with the SDDC**Lessons**

- 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

Module 10: Maintaining and Troubleshooting VMware Cloud on AWS**Lessons**

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