

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 hands-on 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 can benefit from this course.

WHO WILL BENEFIT FROM THIS COURSE?

Experienced system administrators, system engineers, and system integrators

PREREQUISITES:

This course requires completion of one of the following prerequisites:

- Understanding of concepts presented in the VM-VICM course or of a later vSphere version.
- Equivalent knowledge and administration experience with VMware ESXi™ and VMware vCenter Server®.
- High-level understanding of vSAN and VMware NSX® for vSphere®

COURSE OBJECTIVES:

By the end of the course, you should be able to meet the following objectives:

- Understand the architecture of VMware Cloud on AWS
- Access and deploy a VMware Cloud on AWS SDDC
- Understand the differences between on-premises VMware vSAN™ and vSAN for VMware Cloud on AWS
- Understand and configure internal, external, and inter-SDDC networking
- Configure a connection between an on-premises vSphere SDDC and a VMware Cloud on AWS SDDC
- Understand how to right-size 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 and AWS SDDCs
- Create and configure virtual machines in VMware Cloud on AWS
- Understand options for connecting and utilizing other AWS solutions with VMware Cloud on AWS
- Understand options for connecting and utilizing other VMware solutions with VMware Cloud on AWS
- Understand and configure access and permissions for VMware Cloud on AWS
- Understand best practices for security hardening of a VMware Cloud on AWS SDDC
- Understand best practices for maintenance of a VMware Cloud on AWS SDDC
- Understand patching considerations, requirements, and best practices for VMware Cloud on AWS, especially when connected to an on-premises vSphere SDDC
- Understand how to access support, documentation, and diagnostic information for VMware Cloud on AWS
- Understand certain failure and troubleshooting scenarios for a VMware Cloud on AWS SDDC

COURSE OUTLINE:

Course Introduction

- Introductions and course logistics
- Course objectives
- Identify additional resources for after this course
- Identify other VMware Education offerings

Introduction to VMware Cloud on AWS

- Overview of AWS Architecture
- Overview of VMware Cloud on AWS
- Licensing, Pricing, and Billing

Deploying an SDDC

- AWS Account Creation and Management
- Deploy and Access an SDDC

VMware Cloud on AWS: Storage

- VMware vSAN in VMware Cloud on AWS
- Using Amazon S3 with VMware Cloud on AWS
- Using Amazon EFS with VMware Cloud on AWS

VMware Cloud on AWS: Networking

- Overview of VMware Cloud on AWS Networking
- Configure Management Gateway Networking
- Configure Compute Gateway Networking
- Inter-SDDC Networking

Working with On-Premises VMware vSphere

- Operations with On-Premises vSphere
- Hybrid Linked Mode
- Hybrid Cloud Extension
- Using Content Library Files

VMware Cloud on AWS Permissions and Security

- Understand VMware Cloud on AWS Permissions
- Configure VMware Cloud on AWS Permissions
- Security Hardening for VMware Cloud on AWS

Scaling the SDDC and Host Management

- Sizing the SDDC
- Cluster Management
- Add and Remove Hosts
- Host Remediation

Virtual Machine Management

- Create Virtual Machines
- Migrate Virtual Machines
- Configure Virtual Machines
- DRS, HA, and vSphere FT

Working with Other AWS Services

- Overview of AWS Services
- Integrations with AWS
- Using AWS Cloud Formation to deploy an SDDC

Using Other VMware Products with the SDDC

- Site Recovery Add-On Service
- VMware Horizon®
- VMware vRealize® AutomationTM
- Using APIs and VMware vSphere® PowerCLITM

Maintaining and Troubleshooting VMware Cloud on AWS

- Best Practice Maintenance
- Support and Staying Up-to-Date
- Common Troubleshooting Steps

SUNSET LEARNING INSTITUTE (SLI) DIFFERENTIATORS:

Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their cloud technology investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

Premiere World Class Instruction Team

- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience.
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

Enhanced Learning Experience

- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

Convenient and Reliable Training Experience

- You have the option to attend classes at any of our established training facilities or from the convenience of your home or office with the use of our HD-ILT network (High Definition Instructor Led Training)
- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

Outstanding Customer Service

- Dedicated account manager to suggest the optimal learning path for you and your team
- Enthusiastic Student Services team available to answer any questions and ensure a quality training experience