VMware Cloud on AWS: Deploy, Configure, Manage 2021 (AWSDCM2021)

This Advanced course is delivered directly by VMware.

Course Overview

This four-day, hands-on training course provides you with the knowledge, skills, and tools for deploying and managing a VMware Cloud™ on AWS infrastructure. You explore the common use cases of the VMware Cloud on AWS infrastructure that allows you to modernize, protect, and scale applications based on VMware vSphere® that leverage AWS.

In this course, you are introduced to various rapid and easy migration options for workloads based on vSphere to VMware Cloud on AWS. In addition, you are presented with VMware Cloud Disaster Recovery™, which is a Disaster Recovery as-a-service (DRaaS) solution, with fast recovery capabilities, that can be used to cost-effectively protect a broad set of your virtualized applications.

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

Who should attend

Experienced system administrators, system engineers, and system integrators

This course is part of the following Certifications

VMware Certified Professional – VMware Cloud 2024 (VCP-VMC 2024)

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
- VMware NSX-T Data Center: Install, Configure, Manage

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
- Prepare and deploy VMware Cloud on AWS SDDC
- Configure the scale-up and scale-down of a VMware Cloud on AWS SDDC
- Access a VMware vCenter® configuration in VMware Cloud on AWS
- Configure internal, external, and inter-SDDC networking
- 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
- Migrate VMs between on-premises vSphere and VMware Cloud on AWS SDDCs
- Describe lifecycle management, troubleshooting scenarios, and disaster recovery solutions for a VMware Cloud on AWS SDDC
- Describe how VMware add-on solutions support a VMware Cloud on AWS SDDC

Course Content

Course Introduction

- Introductions and course logistics
- Course objectives

Introduction to VMware Cloud on AWS

- Choosing VMware Cloud on AWS
- Management and operational structure

VMware Cloud on AWS Platform and SDDC Deployment Preparation

- Getting started with VMware Cloud on AWS
- Preparing AWS infrastructure for a VMware Cloud on AWS deployment
- Setting up a VMware on Cloud AWS account
- Billing and pricing on VMware Cloud services

Deploying and Scaling and SDDC

- Deploying and examining SDDC configurations
- Sizing the SDDC
- SDDC cluster management
- SDDC host management
- Optimizing and maintaining SDDC Cluster using Elastic DRS for VMware Cloud™ on AWS

Accessing and Analyzing vCenter Configurations

- Accessing vCenter Server in the Cloud SDDC
- Creating virtual machines in the Cloud SDDC
- Analyzing resource management settings in the SDDC
- Analyzing vSphere permissions

Networking in VMware Cloud on AWS

- Internal SDDC network
- Networking and security options
- Inter-SDDC networking

Storage on VMware Cloud on AWS

- vSAN storage in VMware Cloud on AWS
- Attaching external storage to a VM running on an SDDC

Working with On-Premises vSphere

- Hybrid linked mode
- Migration solutions for VMware Cloud on AWS
- VM migration with VMware HCX®

Maintaining and Troubleshooting VMware Cloud on AWS

- Accessing API with VMware Cloud on AWS
- Maintenance and support
- Common troubleshooting steps

Disaster Recovery Solution

- Site Recovery add-on service
- VMware Cloud Disaster Recovery™

Using Other VMware Products with the SDDC

- VMware vRealize® Log Insight Cloud™
- VMware Horizon® with VMware Cloud on AWS
- VMware vRealize® Automation Cloud™ add-on
- Using VMware vRealize® Operations™ with VMware Cloud on AWS
- Using VMware vRealize® Network Insight™ with VMware Cloud on AWS

About Fast Lane

Fast Lane

Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.
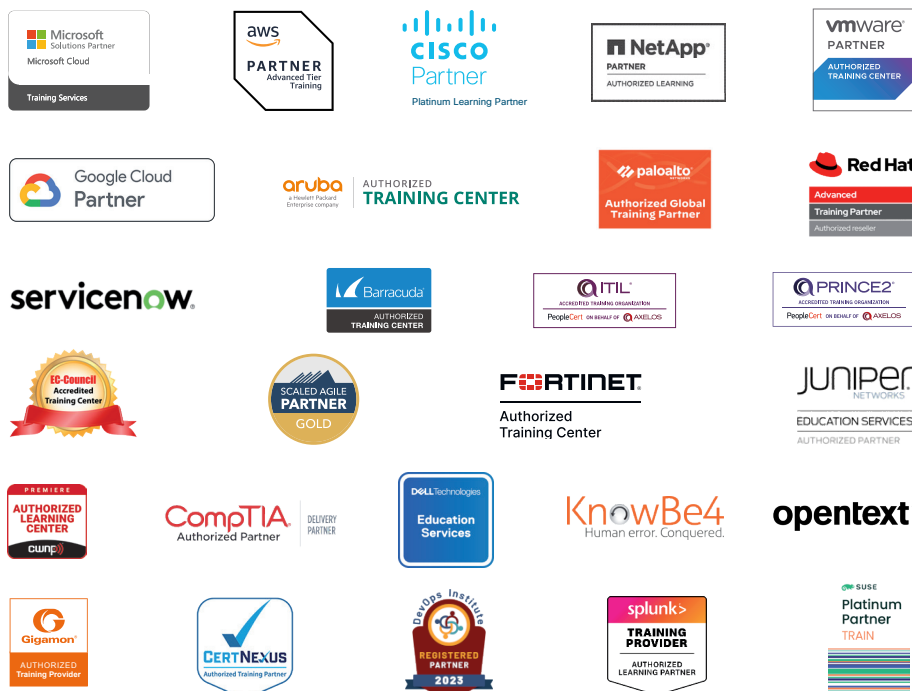
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✓ Blended & Hybrid Learning
✓ Mobile Learning

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✓ Cyber Security
✓ Wireless & Mobility
✓ Modern Workplace
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