

COURSE OVERVIEW

Course Name:

(VM-PMO)
VMware Cloud
Foundation:
Planning,
Management &
Operations

COURSE DURATION: 5 Days

Gauteng:

3rd Floor, 34 Whitely Road
Melrose Arch
Johannesburg
2196

Gauteng:

192 on Bram
192 Bram Fischer Drive
Ferndale, Randburg
Johannesburg
2160

Cape Town:

3rd Floor, Thomas Pattullo Building
19 Jan Smuts St
Cape Town
8000

Durban:

9 Mountview Close
Broadlands
Mount Edgecombe
Durban
4302

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COURSE DESCRIPTION

This five-day course includes instruction on the capabilities of VMware Cloud Foundation™ and how to successfully plan, deploy, manage, and operate hybrid and cloud infrastructures, including customization. The course explains the architecture of VMware Cloud Foundation and explains licensing, certificates, and storage and network management. The course also covers workload domains, availability, life cycle management, and troubleshooting.

DELIVERY METHOD

Our courses have flexible delivery options:

- In-person classroom training at the Impactful training facilities
 - Johannesburg, Durban, Cape Town
- Virtual instructor-led training
- Nationally: on-site at the client

COURSE OBJECTIVES

Upon completion of this course, students will be able to:

- Describe design implications of VMware Cloud Foundation standard or consolidated architecture
- List requirements for VMware Cloud Foundation deployment
- Describe the VMware Cloud Foundation bring-up process and the VMware Cloud Foundation architecture
- Perform VMware Cloud Foundation bring-up
- Describe physical and virtual networking considerations
- Outline VMware Cloud Foundation storage options
- Use the VMware Imaging Appliance to image ESXi hosts
- Describe VMware Cloud Foundation multi-instance federation
- Use VMware Cloud Foundation™ SDDC Manager™ to perform operational tasks
- Describe user roles in VMware Cloud Foundation and VMware vSphere®
- Manage users and passwords using VMware Cloud Foundation
- Manage certificate rotation for VMware Cloud Foundation components
- Use Active Directory integration to automate certificate generation and rotation
- Describe workload domains
- Manage workload domains in VMware Cloud Foundation
- Manage VMware NSX-T™ for VMware Cloud Foundation
- Describe use cases for Application Virtual Networks (AVNs)
- Meet vSphere with Tanzu™ requirements
- Deploy a vSphere with Tanzu enabled workload domain
- Manage VMware vSAN™ storage in a workload domain
- Create vSAN storage policies
- Describe Cloud Native storage
- Describe the importance of business continuity measures in VMware Cloud Foundation
- Plan appropriate backup and restore workflows for VMware Cloud Foundation components
- Implement stretched clusters in VMware Cloud Foundation workload domains

TARGET AUDIENCE

- Experienced system administrators,
- system integrators,
- consultants responsible for implementing and managing VMware Cloud Foundation

PREREQUISITES

- VMware vSphere: Install, Configure, Manage
- VMware NSX-T Data Center: Install, Configure, Manage
- VMware vSAN: Management and Operations

COURSE CONTENT

Module 1: Course Introduction

Module 2: VMware Cloud Foundation Overview

Module 3: Day Zero Tasks

Module 4: Post Deployment Operations

Module 5: VMware Cloud Foundation License Management

Module 6: VMware Cloud Foundation Networking with NSX-T

Module 7: Managing Workload Domains

Module 8: vSphere with Tanzu in VMware Cloud Foundation

Module 9: VMware Cloud Foundation Storage Management

Module 10: Availability and Business Continuity

Module 11: VMware Cloud Foundation Certificate Management

Module 12: VMware Cloud Foundation Life Cycle Management

Module 13: VMware Imaging Appliance

Module 14: VMware Cloud Foundation Multisite Instance Federation

Module 15: VMware Cloud Foundation Troubleshooting