

Migrating to VMware Cloud Foundation [V5.0]

Course Duration: 24 Hours

Course Code: VCF-MIG-50

1. Course Overview

The **Migrating to VMware Cloud Foundation [V5.0]** course is designed to provide IT professionals with the knowledge and skills needed to plan, execute, and manage the migration of workloads and infrastructure to VMware Cloud Foundation (VCF) 5.0. This training covers migration methodologies, best practices, tools, and hands-on labs to ensure a smooth transition to a modern, integrated cloud infrastructure platform.

2. What You'll Learn?

By the end of this course, you will be able to:

- Understand VMware Cloud Foundation (VCF) 5.0 architecture and components.
- Explore migration planning strategies and prerequisites.
- Perform workload migrations from legacy environments to VCF.
- Use VMware migration tools and automation frameworks effectively.
- Apply best practices for minimizing downtime during migration.
- Monitor and validate successful migration to VMware Cloud Foundation.

3. Target Audience

This course is ideal for:

- Cloud Administrators
- System Administrators
- Infrastructure Engineers
- Data Center Migration Specialists
- VMware Solution Architects
- IT Professionals involved in workload migration to cloud platforms

4. Pre-Requisites

Before taking this course, learners should have:

- Basic understanding of VMware vSphere and vSAN.
- Familiarity with networking and storage concepts.
- Knowledge of virtualization and cloud computing principles.
- Prior experience with VMware administration (recommended).

5. Course Content

Module 1: Introduction to VMware Cloud Foundation 5.0

- Overview of VCF 5.0 architecture
- Key components and services
- Benefits of migrating to VCF

Module 2: Migration Planning and Assessment

- Pre-migration checklist
- Environment discovery and compatibility assessment
- Sizing and resource planning

Module 3: Migration Tools and Methodologies

- VMware HCX for workload mobility

- Automated vs manual migration approaches
- Integration with VMware vSphere and NSX

Module 4: Performing the Migration

- Step-by-step migration process
- Migrating workloads, networks, and storage
- Minimizing downtime during migration

Module 5: Post-Migration Validation and Optimization

- Verifying migrated workloads
- Performance testing and troubleshooting
- Best practices for operational efficiency

Module 6: Real-World Scenarios and Hands-On Labs

- Guided lab exercises on migration
- Case studies of successful VCF migrations
- Applying lessons learned to production environments