

# MIGRATING TO VMWARE CLOUD FOUNDATION [V5.0] (VMCF5)

Course Code: 821813

This three-day course is designed to provide VMware vSphere® administrators with the knowledge and hands-on experience in managing VMware Cloud Foundation™ in a hybrid cloud environment and utilizing VMware HCX® for workload migration.

## Product Alignment

- VMware Cloud Foundation 5.0
- VMware HCX 4.7

## What You'll Learn

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

- Describe the components and architecture of VMware Cloud Foundation
- Describe the key features and capabilities of VMware HCX
- Explain the architecture of VMware HCX and its components
- Understand the migration types that VMware HCX supports, including VMware HCX® vMotion®, HCX Bulk migration, and HCX Replication Assisted vMotion
- Plan and execute migrations using VMware HCX migration plans
- Describe how VMware HCX addresses migration challenges through its network extension capabilities
- Define the concept of network extension within the context of VMware HCX

## Who Needs to Attend

Experienced System Administrators, System Engineers, System Integrators, Migration Engineers, Migration Architects

## Prerequisites

### **This course requires completion of the following courses:**

- VMware vSphere: Install, Configure, Manage or experience administering vSphere environment
- VMware Cloud Foundation: Deploy, Configure, Manage [V5.0] or experience administering VMware Cloud Foundation environment

### **Recommended prerequisites:**

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VIRTUAL CLASSROOM LIVE

\$2,775 USD

3 Day

## Virtual Classroom Live Outline

### 1. **Course Introduction**

- Introductions and course logistics
- Course objectives

### 2. **VMware Cloud Foundation Overview**

- Describe the components and architecture of VMware Cloud Foundation
- Explain the benefits of VMware Cloud Foundation in a hybrid cloud environment
- Identify the features of VMware Cloud Console

### 3. **Introduction to VMware HCX**

- Describe the key features and capabilities of VMware HCX
- Explain the architecture of VMware HCX and its components
- Discuss the purpose of HCX Manager, HCX Interconnect, and HCX mobility components
- Install and configure HCX Manager
- Set up interconnects between a legacy vSphere environment and VMware Cloud Foundation
- Manage VMware HCX services and networks

### 4. **Workload Migration with VMware HCX**

- Describe the migration types that VMware HCX supports, including vSphere vMotion, HCX Bulk migration, and HCX Replication Assisted vMotion
- Perform live migration of workloads between legacy vSphere and VMware Cloud Foundation environments using VMware HCX
- Plan and execute migrations using VMware HCX migration plans
- Explain how VMware HCX enables seamless connectivity between on-premises data centers and cloud environments
- Identify common challenges associated with establishing network connectivity in hybrid cloud scenarios
- Describe how VMware HCX addresses these challenges through its

network extension capabilities

- Define the concept of network extension in the context of VMware HCX

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