

# Migrating to VMware Cloud Foundation

Kód kurzu: VMW\_MVCF

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.

## Pro koho je kurz určen

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

## Co Vás naučíme

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

- Describe the components and architecture of VMware Cloud Foundation
- Explain the benefits of VMware Cloud Foundation in a hybrid cloud environment
- Configure networking and security components to establish connectivity between on-premises and cloud environments
- Describe the key features and capabilities of VMware HCX
- Explain the architecture of VMware HCX and its components
- Set up interconnects between on-premises and cloud environments
- Understand the migration types that HCX supports, including VMware vSphere® vMotion®, bulk migration, and replication-assisted vMotion
- Plan and execute large-scale migrations using HCX migration plans
- Describe how HCX addresses migration challenges through its network extension capabilities
- Define the concept of network extension within the context of VMware HCX

## Požadované vstupní znalosti

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

## Studijní materiály

Studijní materiál VMware

## Osnova kurzu

### 1 Course Introduction

- Introductions and course logistics
- Course objectives

### 2 Introduction to VMware Cloud Foundation and Hybrid Cloud

- 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 on-premises and cloud environments

#### GOPAS Praha

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

#### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

#### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



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# Migrating to VMware Cloud Foundation

- Manage HCX services, networks, and security policies

## 4 Workload Migration with VMware HCX

- Understand the migration types HCX supports, including vMotion, Bulk Migration, and Replication-Assisted vMotion
- Perform live migration of workloads between on-premises and cloud environments using HCX
- Plan and execute large-scale migrations using HCX migration plans
- Explain how 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 HCX addresses these challenges through its network extension capabilities
- Define the concept of network extension within the context of VMware HCX.

**GOPAS Praha**  
Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

**GOPAS Brno**  
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Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

**GOPAS Bratislava**  
Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



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