

## VMware HCX: Deploy, Configure, Manage

Das Training vermittelt Ihnen das Wissen, um Kompetenz mit VMware HCX zu erlangen. In diesem Kurs lernen Sie, wie Sie die verschiedenen Architekturkomponenten von HCX bereitstellen und die Aufgaben ausführen, die für die Migration und den Ausgleich von Arbeitslasten in Rechenzentren und Clouds erforderlich sind.

### Kursinhalt

- Kurseinführung
- Einführung zu VMware HCX
- HCX Architecture
- HCX Deployment
- Service Mesh Deployment
- HCX+ Overview
- HCX Network Extension
- WAN Optimization und Traffic Engineering
- Workload Mobility
- Business Continuity und Disaster Recovery
- HCX Lifecycle Management

**E-Book** Sie erhalten englischsprachige Unterlagen von VMware als E-Book.

### Zielgruppe

Systemadministratoren, Systemingenieure, Migrationsingenieure und Migrationsarchitekten.

### Voraussetzungen

- VMware NSX: Install, Configure, Manage [V4.0] oder gleichwertige fundierte Netzwerkerfahrung.
- VMware vSphere: Install, Configure, Manage [V8]
- Grundlagen für Disaster Recovery und Business Continuity.

### Dieser Kurs im Web



Alle tagesaktuellen Informationen und Möglichkeiten zur Bestellung finden Sie unter dem folgenden Link: [www.experteach.de/go/VHCX](http://www.experteach.de/go/VHCX)

### Vormerkung

Sie können auf unserer Website einen Platz kostenlos und unverbindlich für 7 Tage reservieren. Dies geht auch telefonisch unter 06074 4868-0.

### Garantierte Kurstermine

Für Ihre Planungssicherheit bieten wir stets eine große Auswahl garantierter Kurstermine an.

### Ihr Kurs maßgeschneidert

Diesen Kurs können wir für Ihr Projekt exakt an Ihre Anforderungen anpassen.

Training	Preise zzgl. MwSt.	
Termine in Deutschland	3 Tage	€ 2.070,-
Online Training	3 Tage	€ 2.070,-
Termine auf Anfrage		

Stand 27.04.2024



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## VMware HCX: Deploy, Configure, Manage

### 1 Course Introduction

- Introductions and course logistics
- Course objectives

### 2 Introduction to VMware HCX

- Describe the workload mobility challenges that VMware HCX addresses.
- Recognize use cases for VMware HCX.
- Describe the VMware HCX use cases related to application migration, upgrades or re-platforms, workload rebalancing, and business continuity and protection.

### 3 HCX Architecture

- Describe the HCX management plane and data plane components.
- Distinguish between the types of HCX Manager deployments.
- Explain the role of HCX Cloud and HCX Connector.
- Describe site-pairing at the management plane level.
- Describe the services provided by HCX.
- Recognize the HCX appliances deployed to support each HCX service.
- Explain HCX Service Mesh and its benefits.

### 4 HCX Deployment

- Identify the type of environments that can be interconnected in HCX.
- Explain the different deployment topologies for HCX.
- Deploy HCX Cloud on SDDC and on the public cloud.
- Deploy HCX Connector on-premises.
- Establish site pairing between the source and destination sites.
- Troubleshoot common HCX Manager deployment and site pairing problems.

### 5 Service Mesh Deployment

- Use network and compute profiles to deploy the HCX Service Mesh.
- Recognize different types of Service Mesh topologies.
- Identify and troubleshoot common issues with Service Mesh deployments.

### 6 HCX+ Overview

- Explain the use cases and benefits of HCX+.
- Perform site onboarding and configuration on HCX+

### 7 HCX Network Extension

- Explain the functionality, benefits and use cases of HCX Network Extension.
- Compare HCX Network Extension with other L2 extension solutions.
- Distinguish between HCX Network Extension topologies.
- Describe the benefits of HCX Network Extension High Availability.
- Create a network extension and validate its configuration.
- Describe the benefits of Mobility Optimized Networking (MON).
- Configure a HCX Network Extension with MON.
- Identify and troubleshoot common issues with HCX Network Extension and MON.

### 8 WAN Optimization and Traffic Engineering

- Describe the benefits and use cases of WAN Optimization and Traffic Engineering.
- Configure WAN Optimization and Traffic Engineering.
- Identify and troubleshoot common issues with WAN Optimization and Traffic Engineering.

### 9 Workload Mobility

- Identify the different phases of an HCX migration.
- Differentiate between HCX migration types and their use cases.
- Describe the workflow for HCX Cold and vMotion migrations.
- Explain the considerations and limitations of HCX Cold and vMotion migrations.
- Perform HCX Cold and vMotion migrations.
- Identify and troubleshoot common issues with HCX Cold and vMotion migrations.
- Describe the workflow for Bulk Migrations and Replication Assisted vMotion migrations.
- Explain the considerations and limitations of Bulk Migrations and Replication Assisted vMotion

### migrations.

- Perform Bulk Migrations and Replication Assisted vMotion migrations.
- Identify and troubleshoot common issues with Bulk Migrations and Replication Assisted vMotion migrations.
- Describe the workflow for HCX OS Assisted migrations.
- Explain the considerations and limitations of HCX OS Assisted migrations.
- Perform HCX OS Assisted migrations.
- Identify and troubleshoot common issues with HCX OS Assisted migrations.

### 10 Business Continuity and Disaster Recovery

- Explain disaster recovery concepts and considerations.
- Use VMware HCX to implement a business continuity strategy.

### 11 HCX Lifecycle Management

- Backup and restore the HCX Manager.
- Upgrade HCX components.

