



Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

Arrow ECS, a.s., 28. října 3390/111a, 702 00 Ostrava

Email: training.ecs.cz@arrow.com

Phone: +420 597 488 811

Kód:	DÉLKA:	CENA:
VMW_VCF91BMS	40 Hours (5 DENNÍ)	Kč bez DPH 52,000.00

Description

Tento pětidenní kurz poskytuje znalosti a dovednosti potřebné k vybudování, správě a zabezpečení privátního cloudu VMware Cloud Foundation (VCF). Seznámíte se s architekturou VCF, licenčními modely a komponentami privátního cloudu jak na úrovni celé infrastruktury (fleet), tak jednotlivých instancí. Kurz pokrývá kompletní nasazení infrastruktury pomocí nástroje VCF Installer, činnosti po nasazení včetně konfigurace komponent VCF Operations a správu prostředí prostřednictvím konfigurace Single Sign-On, VCF Identity Brokeru, řízení přístupu na základě rolí (RBAC) a správy přihlašovacích údajů.

Dále se naučíte nasazovat a spravovat workload domény, konfigurovat síťové služby VMware NSX pomocí konstrukcí Virtual Private Cloud (VPC) a Transit Gateway a spravovat úložiště vSAN prostřednictvím politik, fault domains a monitorovacích nástrojů VCF Operations.

Kurz se rovněž věnuje správě certifikátů ve VCF pomocí SDDC Manageru ve spolupráci s Microsoft CA, OpenSSL CA a certifikačními autoritami třetích stran. Účastníci si vyzkouší operace životního cyklu prostředí, včetně instalace oprav (patchování), upgradů komponent VCF a správy infrastruktury, stejně jako procesy zálohování a obnovy napříč celým VCF prostředím. V části zaměřené na bezpečnost VCF se naučíte definovat zásady zabezpečení, compliance a odolnosti prostředí, vyhodnocovat stav souladu s požadavky pomocí Security Posture Management, monitorovat bezpečnostní stav prostřednictvím Security Operations Dashboard a analyzovat auditní záznamy.

Kurz je zakončen přehledem možností upgradu na VMware Cloud Foundation 9.1, včetně podporovaných scénářů přechodu z prostředí vSphere 8.0 a VMware Cloud Foundation 5.2.

Cíle

- Describe VMware Cloud Foundation architecture and Private Cloud components at the fleet and instance levels
- Deploy and configure a VCF Private Cloud using the VCF Installer, including networking, storage, and post-deployment tasks
- Manage VCF Fleet operations including SSO, RBAC, identity federation, workload domains, NSX networking, and vSAN storage
- Manage VCF lifecycle using the software depot, patch and upgrade VCF components, and implement backup and restore procedures
- Apply VCF security using Security Posture Management, the Security Operations Dashboard, certificate management, and supported upgrade paths to VCF 9.1

Určeno pro

System Administrators, Solution Engineers, Consultants, Architects, and Support Personnel

Vstupní znalosti

- Implement Learning Path Stage-1 Training
 - o Introduction to VCF
 - o VMware Cloud Foundation: Compute Fundamentals
 - o VMware Cloud Foundation: Storage Fundamentals
 - o VMware Cloud Foundation: Network Fundamentals
- Working experience and knowledge of VMware vSphere®, VMware NSX®, and vSAN environments

Program

Module 1: Course Introduction

- Describe VMware Cloud Foundation components, architecture, and supported private cloud use cases

- Explain the VMware Cloud Foundation licensing model and available license types
- Outline the course curriculum covering deployment, fleet management, networking, storage, lifecycle, and security

Module 2: VCF Private Cloud: Overview and Architecture

- Define VMware Cloud Foundation key features, use cases, and integrated security capabilities across all layers
- Explain the advanced services and operational capabilities of VMware Cloud Foundation
- Describe the VCF Private Cloud architecture including fleet-level and instance-level components
- Identify the various roles and capabilities within a VCF Private Cloud environment

Module 3: VCF Private Cloud Deployment

- Identify VCF fleet deployment considerations and planning requirements using the Planning and Preparation Workbook
- Outline the sequence for deploying VCF Private Cloud including core component configuration
- Describe the deployment configuration of VCF instance and fleet management components
- Deploy a new VCF fleet using the VCF Installer wizard or a deployment specification JSON file

Module 4: VCF Post-Deployment Tasks

- Explain VCF Operations for Networks, VCF Operations for Logs, and VCF Identity Broker deployment models
- Describe deployment considerations for VCF Operations components including Real-Time Metrics
- Deploy and navigate VCF Operations components and perform post-deployment management tasks

Module 5: VCF Fleet Management

- Describe the VCF licensing model including capacity pooling, primary and add-on licenses, and 9.1 licensing procedures
- Configure VCF Single Sign-On and VCF Identity Broker deployment models for all VCF instance components
- Identify supported directories and identity providers and configure SSO enablement across VCF components
- Manage role-based access control, users, user groups, and credentials in VMware Cloud Foundation
- Outline password management workflows and available API options for automating credential management tasks

Module 6: VCF Workload Domain

- Explain VMware Cloud Foundation workload domains and apply vSphere, network, and storage design considerations
- Describe design prerequisites and create workload domains using VCF Operations
- Configure vCenter linked groups and manage host and cluster additions within workload domains
- Import an existing vCenter as a workload domain using VCF Operations including applicable import limitations

Module 7: VCF Networking

- Identify the core components of the NSX architecture including management, control, and data planes
- Describe NSX overlay networking concepts including Geneve encapsulation, TEP configuration, and Traceflow
- Explain Virtual Private Cloud constructs and configure VPC and VPC subnets in VMware Cloud Foundation
- Configure network connectivity during VCF Fleet deployment including Distributed and Centralized Transit Gateways

Module 8: VCF Storage Management

- Describe VMware Cloud Foundation storage models including principal and supplemental storage options
- Explain vSAN networking and hardware requirements and configure vSAN clusters with appropriate storage policies
- Configure vSAN fault domains and manage vSAN cluster operations in VMware Cloud Foundation
- Analyze vSAN performance and generate storage reports using VCF Operations monitoring tools

Module 9: VCF Certificate Management

- Describe public key infrastructure concepts including certificate signing requests and CA options in SDDC Manager
- Manage certificates in VMware Cloud Foundation using the SDDC Manager certificate management workflow
- Integrate VCF Operations with Microsoft CA and OpenSSL CA for certificate issuance and installation
- Install and manage certificates issued by Microsoft CA, OpenSSL CA, or third-party CAs in VCF Operations

Module 10: VCF Lifecycle Management

- Identify the role of the software depot and configure it in VCF Operations to manage VCF fleet lifecycle
- Manage software depot content, storage, and bundle assignments in VCF Operations
- Upgrade and patch VCF management and fleet management components using lifecycle management workflows
- Configure backup and restore procedures for the VCF fleet using SFTP, SDDC Manager, and fleet management nodes
- Execute backup and restore operations for fleet-level and VCF management components

Module 11: VCF Security

- Define security, compliance, and resilience principles and describe integrated security features across all VCF layers
- Assess compliance and manage security posture using Security Posture Management in VMware Cloud Foundation
- Monitor security health through the Security Operations Dashboard and analyze events using the Audit Trail
- Orchestrate unified Protection and Recovery workflows using VCF advanced networking and security capabilities

Module 12: VCF Upgrade Paths

- Identify supported upgrade paths to VCF 9.1 including key considerations, prerequisites, and compatibility assessments
- Explain the upgrade process from vSphere 8.0 to VCF 9.1 using the existing vSphere deployment path
- Outline upgrade stages from vSphere 8.0 with multiple Aria components to VMware Cloud Foundation 9.1
- Describe prerequisites and upgrade sequence from VCF 5.2 with Aria components to VMware Cloud Foundation 9.1

- Differentiate between the existing vSphere upgrade path and the vCenter import process for transitioning to VCF 9.1

Termíny školení

Datum	Místo konání	Časové pásmo	Jazyk	Typ	Garance termínu	CENA
02 Nov 2026	Praha	CET	Čeština	Classroom	Yes	Kč bez DPH 52,000.00
02 Nov 2026	Virtual Classroom	CET	Čeština	Instructor Led Online	Yes	Kč bez DPH 52,000.00
14 Dec 2026	Virtual Classroom	CET	Čeština	Instructor Led Online		Kč bez DPH 52,000.00

Dodatečné informace

Školení je možné zajistit na míru. [Kontaktujte nás pro bližší informace.](#)