



Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

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Kód:	DÉLKA:	CENA:
VMW_VCFAOP91	40 Hours (5 DENNÍ)	Kč bez DPH 52,000.00

Description

Tento pětidenní kurz vám poskytne znalosti, dovednosti a schopnosti potřebné k získání kompetencí v oblasti automatizace a provozu privátního cloudu VCF pomocí VMware® Cloud Foundation™ Automation and Operations. Seznámíte se s architekturou VCF Automation, správou poskytovatelů a organizací, sítí pro poskytovatele a organizace a správou knihoven obsahu (Content Library). Dále se kurz zaměřuje na tvorbu blueprintů, správu katalogů, správu supervisorů a nasazování workloadů prostřednictvím portálů Catalog a IaaS. V části věnované VCF Operations získáte přehled o tomto řešení, jeho architektuře a práci s uživatelským rozhraním. Naučíte se také přizpůsobovat upozornění (alerts), vytvářet a upravovat pohledy, reporty, dashboards a politiky. Součástí kurzu je rovněž vysvětlení konceptů VCF Logs, monitorování stavu a diagnostiky úložišť, práce s nástrojem Workbench, zjišťování služeb (Service Discovery) a monitorování aplikací (Application Monitoring).

Cíle

- Describe VCF Automation components and supporting architecture.
- Perform infrastructure management as a cloud provider.
- Set up Regions and Organizations as the cloud provider.
- Configure networking at the cloud provider and organization level using VCF Automation 9.1 Network Architecture.
- Set up and manage content libraries at the provider and organization level, including Multi-Supervisor Region Quota (MSRQ) enhancements introduced in VCF 9.1.
- Manage access control in the organization using users and groups.
- Create and manage infrastructure blueprints and catalogs.
- Discuss the use of the embedded orchestrator to create workflows.
- Deploy VM workloads using the catalog deployment and Kubernetes-based IaaS deployments.
- List the key features and use cases of VCF Operations.
- Create custom views, reports, and dashboards.
- Create custom symptoms and alert definitions.
- Outline the role of VCF Health, Diagnostics, and Troubleshooting Workbench.
- Identify performance and health issues with Storage and Network clusters using VCF Operations.
- Create policies to meet the operational needs of your environment.
- Configure service discovery and application monitoring, including VKS cluster monitoring.

Určeno pro

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

Vstupní znalosti

This course has the following prerequisites:

- Implement Learning Path Stage-2 Training
 - o VMware Cloud Foundation: Build, Manage and Secure [v9.1]

Program

1.Course Introduction

- Introduction and course logistics.
- Course objectives and overview of VCF 9.1

2.VCF Automation Overview

- Describe the common terms in a VCF deployment
- Describe fleet-wide identity providers in VCF Operations
- Explain the features and benefits of VCF Automation
- Describe the building blocks and architecture of VCF Automation
- Explain VCF Management Service Platform

3.Provider Infrastructure Management

- Describe the provider management portal
- Discover infrastructure resources and validate vCenter, VCF Instance, NSX Manager, and Edge clusters
- Explain infrastructure policies in VCF Automation

4.Provider Identity Management

- Explain how to enable and configure VCF Single Sign-On for the Automation Appliance
- Describe identity providers used in VCF Automation (OpenID, LDAP, SAML)
- Explain predefined roles, rights bundles, and access control
- Describe service accounts and API tokens

5.VCF Automation Regions

- Define a region and list prerequisites for creating a region
- Explain the relationship between a region, Supervisor, and NSX Manager
- Describe VM Classes, reserved VM Classes, and storage classes
- Describe the features and capabilities of the provider content library

6.VCF Automation Organizations

- Describe the different organizations offered in VCF Automation
- Explain the region quota enhancements in VCF 9.1 over VCF 9.0
- Design Multi-Supervisor Region (MSRQ) environments, a new capability in VCF 9.1
- Explain auto-expansion and auto-shrinkage features of content libraries in MSRQ
- Describe tenant content library placement changes introduced in VCF 9.1
- Create an All Apps Organization

7.VCF Automation Networking

- Explain VCF Automation 9.1 Network Architecture and UI enhancements
- Describe Provider Networking, External IP Blocks, and shared Subnets
- Describe the integration of Infoblox IPAM introduced in VCF Automation 9.1
- Explain Regional Networking
- Configure Organization Networking (VPC, Transit Gateway, VLAN Extended Subnet)
- Configure Workload Networking and VM Load Balancer Service

8. Organization Management

- Explain creating and managing projects, vSphere namespaces, and namespace classes
- Explain Namespace Self-Service and binding workflows
- Discuss namespace update workflows
- Apply infrastructure policies in VCF Automation

9. Organization Content Management

- Identify and manage content available in Content Hub
- Create and deploy VCF Automation Blueprints using YAML
- Explain the Supervisor Namespace capture feature
- Configure and use Custom Forms
- Describe the use of the Embedded Orchestrator and Workflows

10. Deploy Modern Apps

- Discuss Cloud services deployed through vSphere Supervisor
- Explain self-service consumption with IaaS services in VCF 9.1
- Discuss direct mode versus linked mode in IaaS
- Discuss the end-to-end workflow for deploying Virtual Machine instances

- Define container service in VCF Automation

11.VCF Operations Overview

- List the key features and use cases of VCF Operations
- Identify the components of a VCF Operations node and cluster
- Discuss Availability Zones
- Perform basic VCF Operations console navigation

12. VCF Metrics, Views and Reports

- Outline the role of metrics and views in VCF Operations
- Create a basic custom view and configure view settings
- Create a basic report and configure report settings

13.Dashboards

- Describe the functions of dashboards
- Create dashboards using predefined and custom widgets
- Manage dashboards by grouping and sharing with users

14.VCF Operations Policies

- Describe the purposes of policies in VCF Operations
- Configure policies and other components

15.Symptoms and Alerts

- Describe the purpose of using alerts and identify components of an alert definition
- Create static symptom definitions and configure threshold types
- Configure a custom alert using the Create Alert Definition workflow

16.VCF Health, Findings, and Workbench

- Outline the role of VCF Health and Diagnostics
- Monitor the operational state of VCF Instances
- Describe the capabilities of Troubleshooting Workbench
- Enable support teams with full context using Log Assist

17.VCF Logs and Storage

- Describe the log management capabilities in VCF Operations
- Identify performance and health issues with Storage clusters

18.Workload Monitoring

- Describe infrastructure services and application monitoring capabilities
- Enable service discovery for a VCF deployment
- Describe VKS cluster monitoring capabilities introduced in VCF Operations 9.1
- Configure vCenter and VCF Operations to enable VKS enhanced observability
- Explain the features and benefits of VCF Automation
- Describe the building blocks and architecture of VCF Automation
- Explain VCF Management Service Platform

Zkoušky a certifikace

Termíny školení

Termíny školení na vyžádání, [kontaktujte nás prosím](#)

Dodatečné informace

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

