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

What’s New in VMware Cloud Foundation [V9.1]

Kód:	DÉLKA:	CENA:
VMW_VCFWN91	40 Hours (5 DENNÍ)	Kč bez DPH 52,000.00

Description

Tento pětidenní kurz What's New in VMware Cloud Foundation (VCF) v9.1 poskytuje podrobný přehled nejnovějších funkcí a vylepšení této platformy. Studijní program je navržen tak, aby účastníkům poskytl znalosti a dovednosti potřebné k efektivnímu návrhu a implementaci prostředí VCF v9.1. Kurz se zaměřuje na klíčové novinky a změny v oblastech přípravy infrastruktury, výpočetních zdrojů (compute), úložišť (storage), sítí (networking), automatizace a provozu (operations). Výuka kombinuje teoretické přednášky s praktickými laboratorními cvičeními, která pomáhají lépe porozumět novým funkcím a jejich využití v praxi. Po absolvování kurzu budete rozumět nejdůležitějším novinkám ve VMware Cloud Foundation 9.1 a budete schopni je efektivně využít při návrhu, nasazení a správě moderní cloudové infrastruktury.

Cíle

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

- Recognize key features and enhancements introduced in VCF 9.1.
- Develop skills to implement VCF environments.
- Operate the VCF platform and evaluate critical deployment strategies.
- Explain compute enhancements such as memory tiering, CPU optimization, and vCenter UI usability improvements.
- Outline new storage capabilities including vSAN ESA Auto-RAID and stretched cluster enhancements.
- Understand networking updates focused on VPC consumption from vCenter and enhancements in transit gateway functionality.
- Deploy workload domains, manage VCF Management services, and lifecycle enhancements.
- Plan environment updates using VCF upgrade pathways.
- Identify VCF Automation improvements for scalability, multi-supervisor regions, and blueprints.
- Describe VKS enhancements related to Supervisor deployment topologies and network customization.
- Leverage VCF Operations for VCF Health, fleet management, real-time metrics, and Log management.

Určeno pro

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

Vstupní znalosti

- Working experience and knowledge of VCF, VMware vSphere, VMware NSX, and vSAN environments

Program

1. Course Introduction

- Introduction and course logistics.
- Course objectives.

2. VCF Installer Enhancements
- Describe VCF components.
- Outline VCF deployment and imports.
- Explain custom and dual-stack networks.
- Identify management services and credentials.

3. VCF Operations Navigation and Licensing
- List key VCF Operations features.

- Perform VCF 9.1 console navigation.
- Compare VCF 9.0 and VCF 9.1 licensing.
- Evaluate connected and air-gapped options.

4. VCF Compute
- Identify key features of vCenter Enhancements.
- List the ESX Enhancements.
- Explain vSphere Resource Enhancements.
- Describe the key vSphere Network Enhancements.
- Recognize virtual machines enhancements
- Identify vSphere Certificate Improvements.
- List the latest API Enhancements

5. VCF Storage
- Outline vSAN ESA Auto-RAID features
- Explain vSAN stretched cluster updates
- Identify disaggregated vSAN storage capabilities
- Describe vSAN protection and recovery
- Explain iSCSI and NFS enhancements

6. VCF Networking
- Explain VPC consumption from vCenter
- Describe Distributed Transit Gateway enhancements
- Understand Centralized Transit Gateway connectivity
- Evaluate Centralized Transit Gateway VPNs

7. VCF Fleet and Lifecycle Enhancements
- List workload domain deployment steps.
- Explain out-of-band validation enhancements.
- Describe VCF management service components.
- Explain service high availability mechanisms.
- Outline identity and access enhancements.
- View cluster-level configuration drifts.

8. VCF Upgrade Pathways
- Review VCF 9.1 upgrade pathways
- Plan vSphere to VCF upgrades
- Upgrade existing VCF platform environments
- Explain VVF to VCF upgrades

9. VCF Automation
- Describe VCF Automation scalability enhancements
- Describe organization management enhancements
- Configure multi-supervisor region quota settings
- Explain networking and blueprint enhancements
- Manage container and VKS services
- Outline Cloud Director migration process

10. VMware vSphere Kubernetes Service

- Explain vSphere Supervisor enhanced architecture with multi-cluster zones
- Explain VM Service enhancements
- Outline the steps for adding multiple networks on VKS cluster
- Explain VKS cluster node customization using AppArmor and TuneD profiles
- Explain how to build RHEL-9 Vkr images using VCF CLI

11. VCF Operations
- Explain the installer enhancements
- Explain the UI enhancements
- Understand day-two operations and management
- Outline VCF health and findings enhancements
- Outline Real-Time metrics and troubleshooting workbench enhancements
- Describe Log Management architecture
- Outline capacity, cost, and price enhancements
- Explain Automated VKS Cluster Monitoring

Termíny školení

Termíny školení na vyžádání, kontaktujte nás prosím

Dodatečné informace

Školení je možné zajistit na míru. Kontaktujte nás pro bližší informace.