



Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

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Kód:	DÉLKA:	CENA:
VMW_KFCO	32 Hours (4 DENNÍ)	Kč bez DPH 40,000.00

Description

Cena kurzu je 1 510 EUR a bude přepočtena aktuálním kurzem poslední den školení.

Tento čtyřdenní kurz je prvním krokem při poznávání Containers a Kubernetes Fundamentals a Cluster Operations. Prostřednictvím série přednášek a cvičení v labech jsou představeny základní koncepty kontejnerů a Kubernetes a uvedeny do praxe kontejnerizací a nasazením dvouvrstvé aplikace do Kubernetes.

Cíle

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

- Build, test, and publish Docker container images
- Become familiar with YAML files that define Kubernetes objects
- Understand Kubernetes core user-facing concepts, including pods, services, and deployments
- Use kubectl, the Kubernetes CLI, and become familiar with its commands and options
- Understand the architecture of Kubernetes (Control plane and its components, worker nodes, and kubelet)
- Learn how to troubleshoot issues with deployments on Kubernetes
- Apply resource requests, limits, and probes to deployments
- Manage dynamic application configuration using ConfigMaps and Secrets
- Deploy other workloads, including DaemonSets, Jobs, and CronJobs
- Learn about user-facing security using SecurityContext, RBAC, and NetworkPolicies

Určeno pro

Anyone who is preparing to build and run Kubernetes clusters

Vstupní znalosti

- Linux concepts and command line proficiency
- General networking proficiency

Program

1 Course Introduction	2 Containers	3 Kubernetes Overview	4 Beyond Kubernetes Basics
• Introductions and objectives	• What and Why containers	• Kubernetes project	• Kubernetes objects
5 Kubernetes Networking	• Building images	• Plugin interfaces	• YAML
• Networking within a pod	• Running containers	• Building Kubernetes	• Pods, replicas, and deployments
• Pod-to-Pod Networking	• Registry and image management	• Kubectl CLI	• Services
• Services to Pods			• Deployment management
• ClusterIP, NodePort, and LoadBalancer	6 Stateful Applications in Kubernetes		• Rolling updates
• Ingress controllers	• Stateless versus Stateful		• Controlling deployments
• Service Discovery via DNS	• Volumes		• Pod and container configurations
	• Persistent volumes claims	7 Additional Kubernetes Considerations	
	• StorageClasses	• Dynamic configuration	
	• StatefulSets	• ConfigMaps	
		• Secrets	
		• Jobs, CronJobs	

- 8 Security
 - Network policy
 - Applying a NetworkPolicy
 - SecurityContext
 - runAsUser/Group
 - Service accounts
 - Role-based access control
 - 9 Logging and Monitoring
 - Logging for various objects
 - Sidecar logging
 - Node logging
 - Audit logging
 - Monitoring architecture
 - Monitoring solutions
 - Octant
 - 10 Cluster Operations
 - Onboarding new applications
 - Backups
 - Upgrading
 - Drain and cordon commands
 - Impact of an upgrade to running applications
 - Troubleshooting commands
- VMware vRealize® Operations Manager™ • VMware Tanzu™ portfolio overview

Termíny školení

Datum	Místo konání	Časové pásmo	Jazyk	Typ	Garance termínu	CENA
22 Apr 2025	Virtual Classroom	CEDT	Čeština	Instructor Led Online		Kč bez DPH 40,000.00

Dodatečné informace

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