Red Hat OpenShift Virtualization Boot Camp

Kód kurzu: DO730

Adopt a cloud-native virtual machine infrastructure using Kubernetes and DevOps practices, with OpenShift Virtualization.The OpenShift Virtualization Boot Camp for Administrators (DO730) immerses you in intensive, hands-on management of OpenShift Virtualization Operator and OpenShift Virtualization Engine deployed on Red Hat's implementation of Kubernetes, Red Hat® OpenShift® Container Platform, at enterprise scale. This course is for those seeking to adopt a cloud-native infrastructure to run and deploy virtual machine (VM) workloads on a modern platform in their digital transformation journey. Making this shift requires the ability to support the migration and management of traditional VMs onto a hybrid cloud application platform, such as OpenShift Virtualization. The skills learned in this course can be applied to both OpenShift Container Platform and OpenShift Virtualization Engine in order to deploy and use a modern platform for running VMs. This course extends these skills to multi-cluster environments, covering the installation and use of Red Hat Advanced Cluster Management for Kubernetes (RHACM) to manage clusters, enforce policies, and oversee VMs across your hybrid cloud. As part of enrollment, you will receive one year of Red Hat Learning Subscription Standard, which gives you unlimited access to all of our courses online, and can take up to 5 unique exams and can retake any of those exams in the event you do not successfully pass.

Pre koho je kurz určený

- Virtual Machine Administrators who are looking to virtualize workloads from traditional Hypervisors to OpenShift Virtualization.
- Platform Engineers, Cloud Administrators, and System Administrators who are interested in supporting virtualized workloads, either independently from or in the same OpenShift cluster as containerized workloads.

Čo Vás naučíme

- Introduction and overview of containers
- Container orchestration with OpenShift and Kubernetes
- Managing OpenShift clusters from the command-line interface and from the web console.
- Getting started with Red Hat OpenShift Virtualization
- Managing authentication and authorization for virtual machines in OpenShift
- Running and accessing virtual machines
- Configuring Kubernetes networking for virtual machines
- Isolating virtualized applications though network policies and user-defined networks
- Configuring storage for virtual machines
- Advanced virtual machine and boot source management
- Configuring high availability for virtual machines with Kubernetes resources
- Managing multiple clusters and virtual machines with Red Hat Advanced Cluster Management for Kubernetes (RHACM)

Požadované vstupné znalosti

Take our free assessment to gauge whether this offering is the best fit for your skills.

Although Linux skills are not required for managing OpenShift clusters and OpenShift Virtualization, operating individual Linux VMs requires Linux system administration skills that the Red Hat System Administration I (RH124) and Red Hat System Administration II (RH134) courses provide.

Osnova kurzu

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