Red Hat OpenShift Administration II: Configuring a Production Cluster

Kód kurzu: DO280

Od ledna 2026 je možné za původních podmínek zakoupit pouze prezenční Red Hat školení. Virtuální kurzy (VT) jsou dostupné výhradně v rámci ročního předplatného RHLS Course.Jak si naplánovat virtuální kurz v Red Hat Learning Subscription Course naleznete zde.
The Red Hat OpenShift Administration II: Configuring a Production Cluster (DO280) course prepares OpenShift cluster administrators to perform daily administration tasks on clusters that host applications from internal teams and external vendors, enable self-service for cluster users with different roles, and deploy applications that require special permissions such as CI/CD tools, performance monitoring, and security scanners. This course focuses on configuring multitenancy and security features of OpenShift as well as managing OpenShift add-ons based on operators.The skills that you learn in this course can be applied by using any versions of OpenShift, including OpenShift Container Platform, Red Hat OpenShift on AWS (ROSA), and Azure Red Hat OpenShift.This course is based on Red Hat® OpenShift® Container Platform 4.22.

Pro koho je kurz určen

- System Administrators who need to manage OpenShift clusters, applications, users, and add-ons.
- Site Reliability Engineers who need to maintain and troubleshoot Kubernetes clusters.
- System and Software Architects who need to understand the security of an OpenShift cluster.

Co Vás naučíme

Organizations that share OpenShift clusters across multiple teams risk operational bottlenecks when platform engineers cannot safely delegate self-service access. Organizations also risk security exposure when privileged infrastructure applications, such as CI/CD tools, monitoring, and security scanners are not correctly isolated from business workloads. This course prepares administrators to configure the multitenancy guardrails, security policies, declarative deployment workflows, and advanced networking capabilities that enable teams to operate independently at speed and to keep shared clusters secure, reproducible, and production-ready.
After completing this course, students can configure multitenant Red Hat OpenShift Container Platform clusters by managing authentication, authorization, resource quotas, and security policies for multiple teams. Students can also deploy applications by using declarative workflows, secure network traffic, expose non-HTTP services, install and manage operators, and update clusters.

Požadované vstupní znalosti

- The Red Hat OpenShift Administration I: Operating a Production Cluster (DO180 v4.22) course, or equivalent skills in deploying and managing Kubernetes applications by using the OpenShift web console and command-line interfaces.
- Intermediate skills in operating a Bash shell, including command-line text processing, text editing, and Linux networking and security utilities. Students are encouraged to take the Red Hat System Administration I (RH124) course before enrolling in DO280.

We recommend completing our no-cost skills assessment before enrolling in any Red Hat Training or Certification.

Learn more.

Osnova kurzu

Describe the Red Hat OpenShift Container Platform

- Describe the architecture of the Red Hat OpenShift Container Platform (RHOCP).

Verify the health of a cluster

- Describe OpenShift installation methods and verify the health of a newly installed cluster.

Configure authentication and authorization

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- Configure authentication with the HTPasswd identity provider and assign roles to users and groups.

Configure application security

- Restrict permissions of applications using security context constraints and protect access credentials using secrets.

Configure OpenShift networking for applications

- Troubleshoot OpenShift software-defined networking (SDN) and configure network policies.

Control pod scheduling

- Control which nodes a pod runs on.

Describe cluster updates

- Describe how to perform a cluster update.

Manage a cluster with the web console

- Manage a Red Hat OpenShift cluster using the web console.

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