

DO280VC (RED HAT OPENSIFT ADMINISTRATION II: OPERATING APRODUCTION KUBERNETES)

Objetivo

Course summary

- Describe the Red Hat OpenShift Container Platform cluster installation and update processes
- Troubleshoot application deployments
- Configure authentication using local users
- Control access to projects using role-based access control (RBAC)
- Expose applications to clients external to the cluster using TLS encryption
- Configure network isolation between services and applications using network policies
- Configure application scheduling using labels and selectors
- Limit compute resource usage of applications with resource limits and quotas
- Manage a cluster and deployed applications with the Web Console
- Install Kubernetes Operators with the Web Console

Público Alvo

Audience for this course This course is designed for system administrators, system architects, and developers who want to install and configure Red Hat OpenShift Container Platform.

- System and Software Architects interested in understanding features and functionality of an OpenShift cluster.
- System Administrators interested in the ongoing management of clusters and containerized applications.
- Cluster Operators interested in managing access to cluster resources by users and applications
- Site Reliability Engineers interested in the ongoing maintenance and troubleshooting of a cluster.

Technology considerations Internet access is required

Pré-requisitos

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Carga Horária

1 horas (1 dias).

Conteúdo Programático

OUTLINE FOR THIS COURSE

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

- Configure authentication with the HTTPBasic 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 networkpolicies

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.