

Red Hat OpenShift Administration III: Scaling Deployments in the Enterprise

Duración: 4 Días **Código del Curso: DO380** **Método de Impartición: Curso Cerrado (In-Company)**

Temario:

Plan, implement, and manage OpenShift clusters at scale

Red Hat OpenShift Administration III: Scaling Kubernetes Deployments in the Enterprise (DO380) expands upon the skills required to plan, implement, and manage OpenShift® clusters in the enterprise. You will learn how to configure and manage OpenShift clusters at scale to address increasing and special demands from applications and ensure reliability, performance, and availability. This course builds upon the essential skills required to configure and manage an OpenShift 4.x cluster, teaching the enhanced skills needed to operate production environments at scale.

This course is based on Red Hat® OpenShift Container Platform 4.14.

Note: This course is offered as a five day virtual class or self-paced.

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Curso Cerrado (In-Company)

Debido a que nuestra formación es modular, nuestros responsables de formación e instructores pueden trabajar con usted y su equipo para detectar las necesidades formativas y adaptar un temario de forma rápida y rentable. Durante una formación cerrada, usted recibirá una formación de expertos en un curriculum adaptado a sus necesidades.

Dirigido a:

Primary: Platform Engineers, System Administrators, Cloud Administrators, and other infrastructure-related IT roles who are responsible for implementing and managing infrastructure for applications. Secondary: Enterprise Architects, Site Reliability Engineers (SRE), DevOps Engineers, and other application-related IT roles who are responsible for designing infrastructure for applications.

Objetivos:

- After this course participants should be able to:
- Manage OpenShift cluster operators and add operators.
- Implement GitOps workflows using OpenShift GitOps operator.
- Integrate OpenShift with enterprise authentication.
- Query and visualize cluster-wide logs, metrics, and alerts.
- Backup and restore application settings and data with OpenShift APIs for Data Protection (OADP).
- Manage machine pools and machine configurations.

Prerequisites:

This course is an advanced course so prerequisite knowledge is required

- Complete Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster(DO280) and become a Red Hat Certified Specialist in OpenShift Administration or equivalent practice knowledge
- Complete Red Hat System Administration II (RH134) and become a Red Hat Certified System Administrator or equivalent practice knowledge.

Recommended, but not required:

- Become a Red Hat Certified Systems Engineer or a Red Hat Certified Specialist in Ansible Automation.
- Basic knowledge about writing and running Ansible playbooks is desired.

Exámenes y certificación

Recommended exam: Red Hat Certified Specialist in OpenShift Automation and Integration (EX380)

Siguientes cursos recomendados:

- Red Hat OpenShift Installation Lab (DO322)
 - Multicluster Management with Red Hat OpenShift Platform Plus (DO480)
 - Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation (DO370)
 - Managing Virtual Machines with Red Hat OpenShift Virtualization (DO316)
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Contenido:

Authentication and Identity Management

- Configure OpenShift clusters to authenticate by using LDAP and OIDC enterprise identity systems and to recognize groups that those systems define.

Backup, Restore, and Migration of Applications with OADP

- Backup and restore application settings and data with OpenShift APIs for Data Protection (OADP).

Cluster Partitioning

- Configure a subset of cluster nodes to be dedicated to a type of workload.

Pod Scheduling

- Configure workloads to run on a dedicated set of cluster nodes and prevent other workloads from using those cluster nodes.

OpenShift GitOps

- Deploy OpenShift GitOps for managing clusters and applications.

OpenShift Monitoring

- Troubleshoot performance and availability issues with applications and clusters.

OpenShift Logging

- Deploy OpenShift logging and query log entries from workloads and cluster nodes.
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Información Adicional:

Official course book provided to participants.

Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

info.cursos@globalknowledge.es

www.globalknowledge.com/es-es/

Global Knowledge Network Spain, C/ Retama 7, 6ª planta, 28045 Madrid