



Red Hat OpenShift Administration III: Scaling Deployments for Enterprise

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**WE
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**Nivel**

Intermedio

**Duración**

28 horas

**Modalidad**

Aula Virtual

**Learning**

by doing

**Curso**

Oficial

Red Hat OpenShift Administration III: Scaling Deployments for Enterprise Workloads and Exam

Objetivos:

- Manage OpenShift cluster operators and add operators.
- Automate OpenShift management tasks using Ansible® playbooks.
- Create and schedule cluster administration jobs.
- Implement GitOps workflows using Jenkins.
- Integrate OpenShift with enterprise authentication.
- Query and visualize cluster-wide logs, metrics, and alerts.
- Manage both shared, file-based storage and non-shared, block-based storage.
- Manage machine pools and machine configurations.

Requisitos:

- This offering requires internet access to access the cloud-based classroom environment that provides an OpenShift cluster and a remote administrator's workstation.
- Complete Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280) and become a Red Hat Certified Specialist in OpenShift Administration.
- Complete Red Hat System Administration II (RH134) and become a Red Hat Certified System Administrator.
- Recommended by Red Hat: 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.

Perfil del docente:

- Formador Certificado por Red Hat
- Más de 5 años de experiencia profesional
- Más de 4 años de experiencia docente
- Profesional activo en empresas del sector IT

Metodología:

- "Learning by doing" se centra en un contexto real y concreto, buscando un aprendizaje en equipo para la resolución de problemas en el sector empresarial.
- Aulas con grupos reducidos para que el profesional adquiera la mejor atención por parte de nuestros instructores profesionales.
- El programa de estudios como partners oficiales es confeccionado por nuestro equipo de formación y revisado por las marcas de referencia en el sector.
- La impartición de las clases podrá ser realizada tanto en modalidad Presencial como Virtual.

Examen y Certificación:

Preparation for exam:

[Red Hat Certified Specialist in Scaling OpenShift Deployments exam \(EX380\)](#)



Contenidos:

Move from Kubernetes to OpenShift

Demonstrate that OpenShift is Kubernetes by deploying Kubernetes-native applications on OpenShift.

Introduce automation on OpenShift

Automate OpenShift administration tasks using bash scripts and Ansible playbooks.

Manage operators with OpenShift

Deploy Kubernetes Operators and configure OpenShift cluster operators.

Implement GitOps with Jenkins

Implement a GitOps workflow using containerized Jenkins to administer an OpenShift cluster.

Configure enterprise authentication

Integrate OpenShift with enterprise identity providers.

Configure trusted TLS certificates

Configure OpenShift with trusted TLS certificates for external access to cluster services and applications.

Configure dedicated node pools

Configure a subset of the cluster nodes for special workloads.

Configure persistent storage

Configure storage providers and storage classes to ensure cluster user access to persistent storage.

Manage cluster monitoring and metrics

Configure and manage the OpenShift monitoring stack.

Provision and inspect cluster logging

Deploy, query, and troubleshoot cluster-wide logging.

Recover failed worker nodes

Inspect, troubleshoot, and remediate worker nodes in a variety of failure scenarios.



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