

# Red Hat OpenShift Administration III: Scaling Kubernetes Deployments in the Enterprise (DO380)

ID DO380 Prix CHF 3 690,- (Hors Taxe) Durée 4 jours

## A qui s'adresse cette formation

This course is designed for Linux® system administrators who want to deploy and manage a large-scale Red Hat® OpenShift Container Platform environment in their datacenters.

## Cette formation prépare à la/aux certifications

Red Hat Certified Specialist in MultiCluster Management (RHCS-MCM)  
Red Hat Certified Specialist in OpenShift Automation and Integration (RHCS-OSAI)

## Pré-requis

Red Hat recommends these prerequisites:

- Become a Red Hat Certified System Administrator, or demonstrate equivalent experience
- Attend [Red Hat OpenShift Administration I: Operating a Production Cluster \(DO180\)](#) or demonstrate equivalent experience with containers, Kubernetes, and OpenShift
- Attend [Red Hat OpenShift Administration II: Configuring a Production Cluster \(DO280\)](#) or demonstrate equivalent experience with OpenShift
- Recommended, but not required: become a [Red Hat Certified OpenShift Administrator Exam \(EX280\)](#)

## Objectifs

- Learn OpenShift cluster features, architecture, and sizing.
- Investigate OpenShift cluster installation methods.
- Configure storage providers and storage classes.
- Manage OpenShift certificates.
- Configure GlusterFS container-native storage.
- Diagnose cluster health.
- Scale OpenShift clusters.
- Manage OpenShift resources.

## Contenu

### Design a highly available cluster

Design an OpenShift cluster that supports high availability and resiliency.

### Prepare to install an HA cluster

Configure the advanced installer and prepare the cluster environment for HA installation.

### Configure OpenShift to use custom certificates

Configure the OpenShift cluster to use custom certificates.

### Build an HA cluster

Use the advanced installation method to build an HA OpenShift cluster.

### Provision persistent storage

Describe storage providers, configure a provider, create a storage class, and test the configuration.

### Enable log aggregation

Consolidate useful data for analysis by enabling the log aggregation feature.

### Maintain an OpenShift cluster

Perform recurring maintenance activities on an OpenShift cluster.

### Manage system resources

Manage operating system and cluster resources for optimal performance.

### Configure security providers

Configure security providers and advanced security options.

### Configure networking options

Configure various advanced networking features and options.

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