

# Red Hat OpenShift Administration II: Configuring a Production Cluster (DO280)

ID DO280 Prix CHF 3 550,- (Hors Taxe) Durée 4 jours

## A qui s'adresse cette formation

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.

## Cette formation prépare à la/aux certifications

Red Hat Certified Architect (RHCA)  
Red Hat Certified Specialist in OpenShift Data Foundation (RHCS-OSDF)  
Red Hat Certified Specialist in MultiCluster Management (RHCS-MCM)  
Red Hat Certified Specialist in OpenShift Automation and Integration (RHCS-OSAI)  
Red Hat Certified Specialist in OpenShift Data Virtualization (RHSC-OSDV)  
Red Hat Certified OpenShift Administrator (RHCS-PAAS)

## Pré-requis

- Become a Red Hat Certified System Administrator, or demonstrate equivalent Red Hat Enterprise Linux system administration experience
- Complete [Red Hat OpenShift Administration I: Operating a Production Cluster \(DO180\)](#), or demonstrate equivalent experience with containers, Kubernetes, and OpenShift basics
- Take our free assessment to gauge whether this offering is the best fit for your skills.

## Objectifs

## Impact on the organization

This course is intended to develop the skills needed to install, configure, and manage the Red Hat OpenShift Container Platform to deploy containerized applications that are highly available, resilient, and scalable. Red Hat OpenShift Container Platform enables rapid application development and deployment, as well as portability of an application across environments. The platform also offers simplified application scaling, administration, and maintenance of adapted or cloud-native applications.

Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.

## Impact on the individual

After completing this course, you should be able to demonstrate the skills to establish a new OpenShift cluster, perform initial configuration of the cluster, and manage the cluster on a day-to-day basis. One major focus of the course is troubleshooting common problems that will be encountered beyond day one.

## Contenu

### 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 HTTPasswd identity provider and assign roles to users and groups.

### Configure application security

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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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