

# Red Hat Certified Specialist in OpenShift Administration Exam - Remote Exam («EX280R»)

The Red Hat Certified Specialist in OpenShift Administration exam (EX280) tests the knowledge, skills, and ability to create, configure, and manage a cloud application platform using Red Hat® OpenShift® Container Platform.

**Price:** 550.–

## Content

By passing this exam, you earn a **Red Hat Certified Specialist** credential that also counts toward you becoming a **Red Hat Certified Architect (RHCA®)**.

To help you prepare, the exam objectives highlight the task areas you can expect to see in the exam. Red Hat reserves the right to add, modify, and remove exam objectives. Such changes will be made public in advance.

To become a Red Hat Certified Specialist in OpenShift Administration, you should be able to perform these tasks:

- **Manage OpenShift Container Platform**
  - Use the command-line interface to manage and configure an OpenShift cluster
  - Use the web console to manage and configure an OpenShift cluster
  - Create and delete projects
  - Import, export, and configure Kubernetes resources
  - Examine resources and cluster status
  - View logs
  - Monitor cluster events and alerts
  - Troubleshoot common cluster events and alerts
  - Use product documentation
- **Manage users and policies**
  - Configure the HTPasswd identity provider for authentication
  - Create and delete users
  - Modify user passwords
  - Modify user and group permissions
  - Create and manage groups
- **Control access to resources**
  - Define role-based access controls
  - Apply permissions to users
  - Create and apply secrets to manage sensitive information
  - Create service accounts and apply permissions using security context constraints
- **Configure networking components**
  - Troubleshoot software defined networking
  - Create and edit external routes
  - Control cluster network ingress
  - Create a self signed certificate
  - Secure routes using TLS certificates
- **Configure pod scheduling**
  - Limit resource usage
  - Scale applications to meet increased demand
  - Control pod placement across cluster nodes
- **Configure cluster scaling**

- Manually control the number of cluster workers
- Automatically scale the number of cluster workers

As with all Red Hat performance-based exams, configurations must persist after reboot without intervention.

## Methodology & didactics

This exam is a performance-based evaluation of skills and knowledge required to configure and manage Red Hat OpenShift Container Platform. You will perform the configuration and administrative tasks necessary to deploy Red Hat OpenShift Container Platform and are evaluated on whether you have met specific objective criteria. Performance-based testing means that you must perform tasks similar to what you perform on the job.

This exam can be taken either remotely or individually at our testing location in Zürich. Find out [more about remote exams](#) to see if this is the right choice for you.

## Target audience

System and software architects who need an understanding of the features and functionality of an OpenShift Container Platform cluster. System administrators who need to support the initial establishment of an OpenShift cluster. Cluster operators who need to support ongoing maintenance of an OpenShift cluster. Site reliability engineers who need to support the ongoing maintenance and troubleshooting of an OpenShift cluster. System administrators who want to demonstrate their OpenShift Container Platform skills. [Red Hat Certified Engineers \(RHCEs\)](#) who wish to become a [Red Hat Certified Architect \(RHCA\)](#) as well as system administrators or developers who are working in a DevOps environment using Red Hat OpenShift Container Platform.

## Certification

Official scores for exams come exclusively from [Red Hat Certification Central](#). Red Hat does not authorize examiners or training partners to report results to candidates directly. Scores on the exam are usually reported within 3 US business days. Exam results are reported as total scores. Red Hat does not report performance on individual items, nor will it provide additional information upon request.

### Notice:


Each remote exam includes a second free attempt within the next 365 days, if you fail at the first attempt.

## Additional information

This exam is based on Red Hat OpenShift Container Platform 4.2.

Red Hat encourages all candidates for the Red Hat Certified Specialist in OpenShift Administration exam to consider taking the [Introduction to Containers, Kubernetes, and Red Hat OpenShift \(DO180\)](#) and [Red Hat OpenShift Administration I \(DO280\)](#) courses to help prepare for the exam. Attendance in this class is not required, so one can choose to take just the exam.

While attending Red Hat classes can be an important part of your preparation, attending class does not guarantee success on the exam. Previous experience, practice, and native aptitude are also important determinants of success.

Many books and other resources on system administration for Red Hat products are available. Red Hat  does not endorse any of these materials as preparation guides for exams. Nevertheless, you may find additional reading helpful to deepen your understanding.

## Any questions?

We are happy to advise you on +41 44 447 21 21 or [info@digicomp.ch](mailto:info@digicomp.ch). You can find detailed information about dates on [www.digicomp.ch/courses-it-provider/red-hat/red-hat-exams/exam-red-hat-certified-specialist-in-openshift-administration-exam--remote-exam](https://www.digicomp.ch/courses-it-provider/red-hat/red-hat-exams/exam-red-hat-certified-specialist-in-openshift-administration-exam--remote-exam)