Red Hat OpenShift Administration II: Configuring a Production Cluster with Exam (EX280)

Category: Infrastructure & IT Operations | **Vendor:** Red Hat

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Red Hat Certified Specialist in OpenShift Administration
Related Exam:	EX280

Course Overview

Red Hat OpenShift Administration I with exam (DO281) teaches you how to install and administer the Red Hat® OpenShift® Container Platform. This hands-on, lab-based bundle shows you how to install, configure, and manage OpenShift clusters and deploy sample applications to further understand how developers will use the platform.

This course is based on Red Hat® Enterprise Linux® 7.5 and Openshift Container Platform 4.2. The Red Hat Certified Specialist in OpenShift Administration exam is included.

About This Course

OpenShift is a containerized application platform that allows enterprises to manage container deployments and scale their applications using Kubernetes. OpenShift provides predefined application environments and builds upon Kubernetes to provide support for DevOps principles such as reduced time to market, infrastructure-as-code, continuous integration (CI), and continuous delivery (CD).

Course content summary

- Install an OpenShift Container Platform cluster
- Configure and manage masters and nodes
- Secure OpenShift
- Control access to resources on OpenShift
- Monitor and collect metrics on OpenShift
- Deploy applications on OpenShift Platform Container using Source-to-Image (S2I)
- Manage storage on OpenShift

Who Should Attend

This course is designed for system administrators, system architects, and developers who want to install and configure Red Hat OpenShift Container Platform.

Prerequisites & Entry Requirements

General Prerequisites:

- Become a Red Hat Certified System Administrator, or demonstrate equivalent Red Hat Enterprise Linux system administration experience
- CompleteRed Hat OpenShift Administration I: Operating a Production Cluster (DO180), or demonstrate equivalent experience with containers, Kubernetes, and OpenShift basics

Learning Outcomes

Upon successful completion of this course, participants will be able to:

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

As a result of attending this course, you should be able to install, configure, and manage a Red Hat OpenShift Container Platform cluster and deploy applications on it.

You should be able to demonstrate these skills:

- Install OpenShift Container Platform to create a simple cluster.
- Configure and manage OpenShift masters and nodes.
- Secure OpenShift with a simple internal authentication mechanism.
- Control access to resources on OpenShift.
- Deploy applications on OpenShift using Source-to-Image (S2I).
- Configure and manage OpenShift pods, services, routes, secrets, and other resources.

Detailed Course Outline

Introduction to Red Hat OpenShift Container Platform

List the features and describe the architecture of the Openshift Container Platform.

Install OpenShift Container Platform

Install OpenShift and configure the cluster.

Explore OpenShift networking concepts

Describe and explore OpenShift networking concepts.

Execute commands

Execute commands using the command-line interface.

Manage OpenShift resources

Control access to OpenShift resources.

Allocate persistent storage

Implement persistent storage.

Manage application deployments

Manipulate resources to manage deployed applications.

Metrics subsystem

Install and configure the metrics-gathering system.

Manage and monitor

Manage and monitor OpenShift resources and software.

🎓 Certification Path

Red Hat Certified Specialist in OpenShift Administration

Exam: EX280

Skills You Will Learn:

Impact on the organization

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Frequently Asked Questions

Q: What delivery options are available for Red Hat OpenShift Administration II: Configuring a Production Cluster with Exam (EX280)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The Red Hat OpenShift Administration II: Configuring a Production Cluster with Exam (EX280) course helps prepare you for the Red Hat Certified Specialist in OpenShift Administration certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the EX280 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 4-day Red Hat OpenShift Administration II: Configuring a Production Cluster with Exam (EX280) course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Red Hat OpenShift Administration II: Configuring a Production Cluster with Exam (EX280) training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Red Hat OpenShift Administration II: Configuring a Production Cluster with Exam (EX280)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat OpenShift Administration II: Configuring a Production Cluster with Exam (EX280). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Red Hat OpenShift Administration II: Configuring a Production Cluster with Exam (EX280), OpenShift Administration, DO281

Q: Why choose Nexus Human for Red Hat OpenShift Administration II: Configuring a Production Cluster with Exam (EX280)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Red Hat OpenShift Administration II: Configuring a Production Cluster with Exam (EX280) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

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