Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280)

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

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This course will empower you to install and administer the Red Hat® OpenShift® Container Platform, with hands-on, lab-based materials that show 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 3.9. OpenShift is a containerized application platform that allows your enterprise to manage container deployments and scale your 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).

About This Course

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Who Should Attend

Audience for this course This course is designed for system administrators responsible for creating OpenShift Enterprise instances, deploying applications, creating process customizations, managing instances and projects. Prerequisites for this course Have taken Red Hat Enterprise Linux Administration I and II (RH124 and RH134), or equivalent Red Hat Enterprise Linux® system administration experience Be certified as a Red Hat Certified System Administrator (RHCSA), or equivalent Red Hat Enterprise Linux system administration experience Be certified as a Red Hat Certified Engineer (RHCE®)

Learning Outcomes

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

Learn to install, configure, and manage OpenShift Enterprise by Red Hat instances - OpenShift Enterprise Administration (DO280) prepares the system administrator to install, configure, and manage OpenShift Enterprise by Red Hat® instances. OpenShift Enterprise, Red Hat's platform-as-a-service (PaaS) offering, provides pre-defined deployment environments for applications of all types through its use of container technology. This creates an environment that supports DevOps principles such as reduced time to market and continuous delivery. - In this course, students will learn how to install and configure an instance of OpenShift Enterprise, test the instance by deploying a real world application, and manage projects/applications through hands-on labs. - Course content summary - Container concepts - Configuring resources with the command line interface - Building a pod - Enabling services for a pod - Creating routes - Downloading and configuring images - Rolling back and activating deployments - Creating custom S2I images

Detailed Course Outline

1 - INTRODUCTION TO RED HAT OPENSHIFT ENTERPRISE

- Review features and architecture of OpenShift Enterprise.

2 - INSTALL OPENSHIFT ENTERPRISE

- Install OpenShift Enterprise and configure a master and node.

3 - EXECUTE COMMANDS

- Execute commands using the command line interface.

4 - BUILD APPLICATIONS

- Create, build, and deploy applications to an OpenShift Enterprise instance.

5 - PERSISTENT STORAGE

- Provision persistent storage and use it for the internal registry.

6 - BUILD APPLICATIONS WITH SOURCE-TO-IMAGE (S2I)

- Create and build applications with S2I and templates.

7 - MANAGE THE SYSTEM

- Use OpenShift Enterprise components to manage deployed applications.

8 - CUSTOMIZE OPENSHIFT ENTERPRISE

- Customize resources and processes used by OpenShift Enterprise.

9 - COMPREHENSIVE REVIEW

- Practice and demonstrate knowledge and skills learned in the course.

10 - NOTE:

- Course outline is subject to change with technology advances and as the nature of the underlying job evolves. For questions or confirmation on a specific objective or topic, please contact us.

Additional Course Details

Nexus Humans Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280)?

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: How many CPD hours does this course provide?

The 5-day Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280). 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: Why choose Nexus Human for Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280)?

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: Operating a Production Kubernetes Cluster (DO280) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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