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

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 build robust clusters that provide high availability and the ability to run large numbers of applications. You will learn about OpenShift integration with datacenter infrastructure such as load balancers, identity management, monitoring, proxies, and storage. You will also develop more troubleshooting and Day 2 operations skills in this course. You will design an OpenShift HA cluster, then build and test it, using this cluster to examine more advanced topics in the administration and operation of a robust OpenShift cluster through the remainder of the course. This course is based on Red Hat® OpenShift Container Platform 3.6.

About This Course

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Who Should Attend

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

Learning Outcomes

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

Red Hat OpenShift Administration III: Scaling Kubernetes Deployments in the Enterprise teaches students how to build robust clusters that provide high availability and the ability to run large numbers of applications. Students will learn about OpenShift integration with datacenter infrastructure such as load balancers, identity management, monitoring, proxies, and storage. - Students will also develop more troubleshooting and Day 2 operations skills in this course.

Detailed Course Outline

1 - DESIGN A HIGHLY AVAILABLE CLUSTER

- Design an OpenShift cluster that supports high availability and resiliency.

2 - PREPARE TO INSTALL AN HA CLUSTER

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

3 - CONFIGURE OPENSHIFT TO USE CUSTOM CERTIFICATES

- Configure the OpenShift cluster to use custom certificates.

4 - BUILD AN HA CLUSTER

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

5 - PROVISION PERSISTENT STORAGE

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

6 - ENABLE LOG AGGREGATION

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

7 - MAINTAIN AN OPENSHIFT CLUSTER

- Perform recurring maintenance activities on an OpenShift cluster.

8 - MANAGE SYSTEM RESOURCES

- Manage operating system and cluster resources for optimal performance.

9 - CONFIGURE SECURITY PROVIDERS

- Configure security providers and advanced security options.

10 - CONFIGURE NETWORKING OPTIONS

- Configure various advanced networking features and options.

Additional Course Details

Nexus Humans Red Hat OpenShift Administration III: Scaling Deployments in the Enterprise (DO380) 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 III: Scaling Deployments in the Enterprise (DO380) 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 III: Scaling Deployments in the Enterprise (DO380)?

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 III: Scaling Deployments in the Enterprise (DO380) 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 III: Scaling Deployments in the Enterprise (DO380) 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 III: Scaling Deployments in the Enterprise (DO380)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat OpenShift Administration III: Scaling Deployments in the Enterprise (DO380). 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 III: Scaling Deployments in the Enterprise (DO380)?

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 III: Scaling Deployments in the Enterprise (DO380) 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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