Red Hat OpenShift Administration III: Scaling Deployments in the Enterprise - Red Hat Learning Subscription Course (DO380LS)

Category: Networking & Security | **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

Related Exam: Red Hat OpenShift Administration III: Scaling Deployments in the Enterprise; Cloud Computing; DO380

Course Overview

Plan, implement, and manage OpenShift clusters at scale Red Hat OpenShift Administration III: Scaling Kubernetes Deployments in the Enterprise (DO380) expands upon the skills required to plan, implement, and manage OpenShift® clusters in the enterprise. You will learn how to configure and manage OpenShift clusters at scale to address increasing and special demands from applications and ensure reliability, performance, and availability. This course is based on Red Hat® OpenShift Container Platform 4.14. RHLS Course Includes: 365-Day RHLS Subscription - Full year of access starting from your purchase date. Official Red Hat Training Curriculum - Learn directly from Red Hat’s validated, up-to-date course materials. Hands-On Labs (100 Hours per Course) - Build practical, real-world skills through extensive lab time. One Certification Exam + Free Retake - Includes exam readiness resources to help you prepare with confidence. One Virtual, Instructor-Led Class - Attend a live online class through the Red Hat portal (self-enrollment required using your RHID).

About This Course

Plan, implement, and manage OpenShift clusters at scale Red Hat OpenShift Administration III: Scaling Kubernetes Deployments in the Enterprise (DO380) expands upon the skills required to plan, implement, and manage OpenShift® clusters in the enterprise. You will learn how to configure and manage OpenShift clusters at scale to address increasing and special demands from applications and ensure reliability, performance, and availability. This course is based on Red Hat® OpenShift Container Platform 4.14. RHLS Course Includes: 365-Day RHLS Subscription - Full year of access starting from your purchase date. Official Red Hat Training Curriculum - Learn directly from Red Hat's validated, up-to-date course materials. Hands-On Labs (100 Hours per Course) - Build practical, real-world skills through extensive lab time. One Certification Exam + Free Retake - Includes exam readiness resources to help you prepare with confidence. One Virtual, Instructor-Led Class - Attend a live online class through the Red Hat portal (self-enrollment required using your RHID).

Who Should Attend

Platform Engineers, System Administrators, Cloud Administrators, and other infrastructure-related IT roles who are responsible for implementing and managing infrastructure for applications. Enterprise Architects, Site Reliability Engineers (SRE), DevOps Engineers, and other application-related IT roles who are responsible for designing infrastructure for applications.

Prerequisites & Entry Requirements

General Prerequisites:

- Complete Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster(DO280) and become a Red Hat Certified Specialist in OpenShift Administration.
- Complete Red Hat System Administration II (RH134) and become a Red Hat Certified System Administrator.
- Recommended, but not required: become a Red Hat Certified Systems Engineer or a Red Hat Certified Specialist in Ansible Automation. Basic knowledge about writing and running Ansible playbooks is desired.

Learning Outcomes

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

Manage OpenShift cluster operators and add operators. Implement GitOps workflows using OpenShift GitOps operator. Integrate OpenShift with enterprise authentication. Query and visualize cluster-wide logs, metrics, and alerts. Backup and restore application settings and data with OpenShift APIs for Data Protection (OADP). Manage machine pools and machine configurations.

Detailed Course Outline

1 - Authentication and Identity Management

- Configure OpenShift clusters to authenticate by using LDAP and OIDC enterprise identity systems and to recognize groups that those systems define.

2 - Backup, Restore, and Migration of Applications with OADP

- Backup and restore application settings and data with OpenShift APIs for Data Protection (OADP).

3 - Cluster Partitioning

- Configure a subset of cluster nodes to be dedicated to a type of workload.

4 - Pod Scheduling

- Configure workloads to run on a dedicated set of cluster nodes and prevent other workloads from using those cluster nodes.

5 - OpenShift GitOps

- Deploy OpenShift GitOps for managing clusters and applications.

6 - OpenShift Monitoring

- Troubleshoot performance and availability issues with applications and clusters.

7 - OpenShift Logging

- Deploy OpenShift logging and query log entries from workloads and cluster nodes.

Frequently Asked Questions

Q: What delivery options are available for Red Hat OpenShift Administration III: Scaling Deployments in the Enterprise - Red Hat Learning Subscription Course (DO380LS)?

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: Which exam does this course prepare me for?

This course prepares you for the Red Hat OpenShift Administration III: Scaling Deployments in the Enterprise; Cloud Computing; DO380 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 III: Scaling Deployments in the Enterprise - Red Hat Learning Subscription Course (DO380LS) 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 III: Scaling Deployments in the Enterprise - Red Hat Learning Subscription Course (DO380LS) 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 III: Scaling Deployments in the Enterprise - Red Hat Learning Subscription Course (DO380LS)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat OpenShift Administration III: Scaling Deployments in the Enterprise - Red Hat Learning Subscription Course (DO380LS). 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 - Red Hat Learning Subscription Course (DO380LS)?

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 - Red Hat Learning Subscription Course (DO380LS) 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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