Red Hat OpenShift Installation Lab (DO322)

Category: Software Development & Programming | **Vendor:** Red Hat

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Related Exam: DO322

Course Overview

Installing OpenShift on a cloud, virtual, or physical infrastructure. Red Hat OpenShift Installation Lab (DO322) teaches essential skills for installing an OpenShift cluster in a range of environments, from proof of concept to production, and how to identify customizations that may be required because of the underlying cloud, virtual, or physical infrastructure. This course is based on Red Hat OpenShift Container Platform 4.6.

About This Course

Installing OpenShift on a cloud, virtual, or physical infrastructure. Red Hat OpenShift Installation Lab (DO322) teaches essential skills for installing an OpenShift cluster in a range of environments, from proof of concept to production, and how to identify customizations that may be required because of the underlying cloud, virtual, or physical infrastructure. This course is based on Red Hat OpenShift Container Platform 4.6.

Who Should Attend

Cluster administrators (Junior systems administrators, junior cloud administrators) interested in deploying additional clusters to meet increasing demands from their organizations. Cluster engineers (Senior systems administrators, senior cloud administrators, cloud engineers) interested in the planning and design of OpenShift clusters to meet performance and reliability of different workloads and in creating work books for these installations. Site reliability engineers (SREs) interested in deploying test bed clusters to validate new settings, updates, customizations, operational procedures, and responses to incidents.

Prerequisites & Entry Requirements

General Prerequisites:

- Achieving the Red Hat Certified Specialist in OpenShift Administration certification on OpenShift 4 is strongly recommended, or at least taking Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280) before taking this course.
- Achieving the Red Hat Certified System Administrator (RHCSA) certification or equivalent knowledge of Red Hat Enterprise Linux system administration before taking DO322 is also strongly recommended.

Learning Outcomes

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

Validate infrastructure prerequisites for an OpenShift cluster. Run the OpenShift installer with custom settings. Describe and monitor each stage of the OpenShift installation process. Collect troubleshooting information during an ongoing installation, or after a failed installation. Complete the configuration of cluster services in a newly installed cluster.

Detailed Course Outline

1 - Introduction to container technology

- Describe how software can run in containers orchestrated by Red Hat OpenShift Container Platform.

2 - Create containerized services

- Provision a server using container technology.

3 - Manage containers

- Manipulate prebuilt container images to create and manage containerized services.

4 - Manage container images

- Manage the life cycle of a container image from creation to deletion.

5 - Create custom container images

- Design and code a Dockerfile to build a custom container image.

6 - Deploy containerized applications on OpenShift

- Deploy single container applications on OpenShift Container Platform.

7 - Troubleshoot containerized applications

- Troubleshoot a containerized application deployed on OpenShift.

8 - Deploy and manage applications on an OpenShift cluster

- Use various application packaging methods to deploy applications to an OpenShift cluster, then manage their resources.

9 - Design containerized applications for OpenShift

- Select a containerization method for an application and create a container to run on an OpenShift cluster.

10 - Publish enterprise container images

- Create an enterprise registry and publish container images to it.

11 - Build applications

- Describe the OpenShift build process, then trigger and manage builds.

12 - Customize source-to-image (S2I) builds

- Customize an existing S2I base image and create a new one.

13 - Create applications from OpenShift templates

- Describe the elements of a template and create a multicontainer application template.

14 - Manage application deployments

- Monitor application health and implement various deployment methods for cloud-native applications.

15 - Perform comprehensive review

- Create and deploy cloudinative applications on OpenShift.

,

1 - Describe the OpenShift Installation Process

- Describe and compare the Full Stack Automation and Pre-existing Infrastructure installation methods.

2 - Install OpenShift in a Cloud Provider

- Provision OpenShift clusters on Infrastructure-as-a-Service (IaaS) cloud providers, with common customizations, using the Full-Stack Automation installation method.

3 - Install OpenShift on a Virtualized Environment

- Provision OpenShift clusters on hypervisors, using the Full-Stack Automation and the Pre-existing Infrastructure installation methods.

4 - Plan to Install OpenShift without an Infrastructure Provider

- Configure the prerequisites for provisioning OpenShift clusters without integration with the underlying infrastructure.

5 - Install OpenShift without an Infrastructure Provider

- Provision OpenShift clusters without integration with the underlying infrastructure.

6 - Complete the Installation of OpenShift without an Infrastructure Provider

- Perform essential tasks that are required before onboarding users and applications on a newly provisioned OpenShift cluster.

Additional Course Details

Nexus Humans Red Hat OpenShift Installation Lab (DO322) 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 Installation Lab (DO322) 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 Installation Lab (DO322)?

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 DO322 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 3-day Red Hat OpenShift Installation Lab (DO322) course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Red Hat OpenShift Installation Lab (DO322) training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Red Hat OpenShift Installation Lab (DO322)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat OpenShift Installation Lab (DO322). 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 Installation Lab (DO322)?

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 Installation Lab (DO322) 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)

© 2026 Nexus Human. All rights reserved. This brochure was generated on 13/11/2026.