Red Hat Training: Introduction to Kubernetes Applications (DO100)

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

Rating: ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Related Exam: DO100

Course Overview

Kubernetes is accelerating application development, container orchestration, and deployment to the cloud, bringing greater application reliability, scalability, and faster time to market. Introduction to Kubernetes Applications (DO100) is designed for IT professionals without previous cloud application deployment experience to learn basic Kubernetes skills. In this course, you will run, deploy, and test containerized applications with zero-downtime releases.

About This Course

Kubernetes is accelerating application development, container orchestration, and deployment to the cloud, bringing greater application reliability, scalability, and faster time to market. Introduction to Kubernetes Applications (DO100) is designed for IT professionals without previous cloud application deployment experience to learn basic Kubernetes skills. In this course, you will run, deploy, and test containerized applications with zero-downtime releases.

Who Should Attend

Developers who wish to deploy cloud applications. Administrators who are new to Kubernetes. Architects who are considering using container technologies in software architectures. Site Reliability Engineers who are considering using Kubernetes.

Prerequisites & Entry Requirements

General Prerequisites:

- Experience running commands and navigating the file system on Linux, MacOS, and Windows.
- Experience with web application development and corresponding technologies.

Learning Outcomes

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

Introducing Containers and Kubernetes Running Containerized Applications Deploying Managed Applications Configuring Networking in Kubernetes Customize Deployments for Application Requirements Implementing Cloud Deployment Strategies

Detailed Course Outline

1 - Introducing Containers and Kubernetes

- Describing containers and container orchestration with Kubernetes.

2 - Running Containerized Applications

- Spin-up your first application in Kubernetes

3 - Deploying Managed Applications

- Introduce the deployment resource and link to container management.

4 - Configuring Networking in Kubernetes

- Introduce communication between Kubernetes applications and the rest of the world.

5 - Customize Deployments for Application Requirements

- Introduce advanced container management features.

6 - Implementing Cloud Deployment Strategies

- Compare different Cloud Deployment Strategies

Frequently Asked Questions

Q: What delivery options are available for Red Hat Training: Introduction to Kubernetes Applications (DO100)?

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 DO100 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: Do you provide corporate training for Red Hat Training: Introduction to Kubernetes Applications (DO100)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat Training: Introduction to Kubernetes Applications (DO100). 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 Training: Introduction to Kubernetes Applications (DO100)?

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 Training: Introduction to Kubernetes Applications (DO100) 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 19/10/2026.