Red Hat DevOps Pipelines and Processes: CI/CD with Jenkins (DO401)

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

Rating: ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Related Exam: DO401

Course Overview

Red Hat DevOps Pipelines and Processes: Git and Test Driven Development (TDD) (DO401) is designed for developers to learn how to create, manage, and secure Jenkins and other tools that support a DevOps organization.

About This Course

Red Hat DevOps Pipelines and Processes: Git and Test Driven Development (TDD) (DO401) is designed for developers to learn how to create, manage, and secure Jenkins and other tools that support a DevOps organization.

Who Should Attend

Configuring, installing, upgrading, and maintaining Linux systems using established standards and procedures Providing operational support Managing systems for monitoring system performance and availability Writing and deploying scripts for task automation and system administration

Learning Outcomes

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

Build declarative Jenkins pipelines. Use conditional and parallel pipelines. Implement release strategies that minimize downtime and risk. Scan applications for security vulnerabilities. Identify and monitor pipeline performance metrics.

Detailed Course Outline

1 - Introduction to Continuous Integration and Continuous Deployment (CI/CD)

- Describe the principles of DevOps and the role of Jenkins.

2 - Author Pipelines

- Create basic pipelines to run Jenkins jobs.

3 - Deploy Applications with Pipelines

- Safely and automatically deploy applications to OpenShift Container Platform.

4 - Implement Pipeline Security and Monitoring

- Manage the security and monitor the performance of pipelines.

Frequently Asked Questions

Q: What delivery options are available for Red Hat DevOps Pipelines and Processes: CI/CD with Jenkins (DO401)?

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 DO401 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 DevOps Pipelines and Processes: CI/CD with Jenkins (DO401)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat DevOps Pipelines and Processes: CI/CD with Jenkins (DO401). 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 DevOps Pipelines and Processes: CI/CD with Jenkins (DO401)?

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 DevOps Pipelines and Processes: CI/CD with Jenkins (DO401) 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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