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

Duration: **3 Day**

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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.

Who Should Attend

This course is intended for developers who are responsible for application pipelines and release strategies.

- 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

What You Will Learn

- 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.

Outline

Introduction to Continuous Integration and Continuous Deployment (CI/CD)
    Describe the principles of DevOps and the role of Jenkins.
Author Pipelines
    Create basic pipelines to run Jenkins jobs.
Deploy Applications with Pipelines
    Safely and automatically deploy applications to OpenShift Container Platform.
Implement Pipeline Security and Monitoring
    Manage the security and monitor the performance of pipelines.