



Jenkins Foundations

Tecnologias de Informação - Desenvolvimento / Programação

- **Nível:**
 - **Duração:** 21h
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Sobre o curso

Learn the fundamentals required to implement Continuous Integration (CI) and Continuous Delivery (CD) workflows using the Jenkins automation server in this 3-day course.

Destinatários

This course is intended for teams considering using Jenkins as a CI/CD tool and looking to automate their software delivery process, as well as those who need guidelines on how to set up a CI/CD workflow using the Jenkins automation server.

Objetivos

- Have a solid understanding of the role that Jenkins plays in the software development lifecycle
 - Install a Jenkins server
 - Build software for it
 - Manage third party integrations/plugins and how to scale and secure Jenkins
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Pré-requisitos

- Basic English knowledge
 - A programming language
 - The programming life cycle
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Programa

- Getting Started with Jenkins
- Using Jenkins
- Managing Jenkins
- Best Practices

- Pipeline
 - Blue Ocean
 - Jenkins Use-Cases
 - Operating Jenkins
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- Getting Started with Jenkins
 - Installing Jenkins
 - Using Jenkins
 - Fingerprints
 - Remote API
 - Managing Jenkins
 - Configuring the System
 - Managing Security
 - Managing Tools
 - Managing Plugins
 - Jenkins CLI
 - Script Console
 - Managing Nodes
 - Managing Users
 - Best Practices
 - Pipeline
 - Getting Started with Pipeline
 - Using a Jenkinsfile
 - Branches and Pull Requests
 - Extending with Shared Libraries
 - Pipeline Development Tools
 - Pipeline Syntax
 - Blue Ocean
 - Getting Started with Blue Ocean
 - Creating Pipelines
 - Dashboard
 - Activity View
 - Pipeline Run Details View
 - Pipeline Editor
 - Jenkins Use-Cases
 - Jenkins with .NET
 - Jenkins with Java
 - Jenkins with Python
 - Jenkins with Ruby
 - Operating Jenkins
 - Backing-up/Restoring Jenkins
 - Monitoring Jenkins
 - Securing Jenkins
 - Managing Jenkins with Chef

- Managing Jenkins with Puppet