



## 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.

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### 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.

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### 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