

Jenkins Foundations

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Lisboa
- **Data:** 17 Out. 2022 a 19 Out. 2022
- **Preço:** 1050€
- **Horário:** Laboral - das 09h00 às 17h00
- **Duração:** 21 horas

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.

Pré-requisitos

- Technical English knowledge
- Basic Developer skills:
 - Some programming language: Python; Java; C#, ...
 - Version control: Git, GitHub
 - Virtualization: VmWare; Virtualbox, ...
 - Console commands: cmd; bash, ...

Objectivos

- 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

Programa

- 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