

Workshop Jenkins Advanced

- **Formato do curso:** Live training
- **Preço:** 935€
- **Duração:** 14 horas

Jenkins Advanced course covers advanced topics related to working with Jenkins CI.

Esta formação é ministrada em Inglês.

Em parceria com a entidade acreditada:



Destinatários

- Jenkins users and administrators interested in expanding Jenkins knowledge
- Beginner and intermediate Developers
- QA Engineers
- Build and Release Engineers
- Technical Project Managers
- DevOps Engineers

Pré-requisitos

- Understanding of Jenkins basic features and capabilities (recommended training: [Jenkins Fundamentals](#))
- Basic knowledge of distributed version control systems (Git)

Nice to have:

- Required skills include running Unix commands, navigating the file system, and creating and editing text files
- Prior experience in developing web applications

Programa

Git/github recap

Integrate your Docker SSH server with Jenkins

- Run your Jenkins job on your Docker remote host through SSH
- Introduction: Jenkins + Ansible
- Install Ansible: Docker + Jenkins
- Integrate Ansible and Jenkins (Ansible Plugin)
- Learn how to execute Playbooks from a Jenkins Job
- Add parameters to Ansible and Jenkins

Pipelines

- Create a Jar for your Maven App using Docker
- Create a Dockerfile and build an image with your Jar
- Create a Docker Compose file to automate the Image build process
- Learn how to test your code using Maven and Docker
- Create a bash script to automate the test process

Jenkins CI beyond the basics

Jenkins REST API overview

- XML API
- JSON API
- Creating jobs with Jenkins API-python sdk

Using groovy with Jenkins

- Groovy script console
- Groovy jobs

Groovy with dynamic parameters

- Post build groovy plugin

Using Shared Libraries in Jenkins

- Scripted Pipeline
- Using a Jenkinsfile
- Multibranch Pipelines
- Introduction to Shared Libraries
- Restart from a Stage

Jenkins Security

- Authentication
- Authorization
- Accounting
- Global Security Settings
- Managing Credentials
- Security Best Practices

Debugging Jenkins with system logs

Monitoring Jenkins