

Jenkins Workshop (SE307)

8 Hours

Outline

The purpose of this workshop is to introduce the students to Jenkins CI the free open source continuous integration server application. The participants will acquire the fundamental skills of installing, configuring and administering the tool. In addition we will learn how to build a basic Continuous Delivery pipeline running jobs on distributed build nodes.

Target Audience

Software professionals interested in acquiring basic Jenkins knowledge. DevOps course participants.

Contents

- Jenkins CI Server overview
- Installing Jenkins
- Basic Jenkins system configuration
- Jenkins plugins:
 - Overview
 - Recommended plugins
 - Upgrading and downgrading plugins
- Build Nodes
- Jenkins build jobs:
 - Freestyle Project & Maven Project
 - Configuring SCM
 - Build steps
 - Post-build steps

- Continuous Delivery Pipelines:
 - Job dependencies and triggering
 - Build Pipeline Plugin
 - Delivery Pipeline Plugin
- Summary