

KAÏNA-COM TRAINING CATALOGUE

Jenkins

Improving software development lifecycle



KSEN003 – Jenkins

Reference KSEN003

Experience

- Beginner
- Intermediate
- Advanced

Duration Training Program:

- 1 days

Training Method

- I: i-learning, individual training (web-based training)
- V: v-learning, virtual class

C: c-learning, classroom training

KAÏNA-COM

LE CARRÉ HAUSSMANN II,
6 Allée de la Connaissance
77127 Lieusaint - France

Price 688,50 € HT

Prerequisite Knowledge in DevOps

Audience This course is for anyone who is interested in DevOps

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KSEN003 – Jenkins, Continued

Objective

Jenkins is a must tool for DevOps. It allows to build pipelines very quickly and improving software development lifecycle. It is the must have tool for every DevOps team.

Introduce us to Jenkins and its features, will help us getting started with Jenkins (CI Sever).

Understand the concepts of CI/CD, the difference between them. Learn and get familiar with Jenkins and how to use Jenkins efficiently.

User will learn:

- What CI/CD is.
- What is Jenkins
- Understand the concepts of continuous inspection, continuous integration, and continuous deployment, and the difference between them.
- The concept and architecture of Jenkins
- How to install & configure Jenkins
- Create and execute Different Jenkins jobs
- Integrate Jenkins with 3rd party tools like Git, Jira, Docker etc
- Best practices of working with Jenkins
- Learn how to configure and extend Jenkins functionality with Jenkins plugins

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KSEN003 – Jenkins, Continued

Course Contents

Course Contents :

Table 1: KSEN003 - Course Contents

Chapter	Description
Intro	<ul style="list-style-type: none"> • What is DevOps • CI/CD • Agile, sprints • History • Dev vs Ops
Jenkins	<ul style="list-style-type: none"> • Terminology • Architecture • Concept • Installing • Adding plugins • Configuring Jenkins • Dashboards/ Views • Slave master architecture • What is Jenkins
Jobs	<ul style="list-style-type: none"> • Jobs • Create different job types • Adding scripts to the job • Multi-phase / Pipelines • Build • Test • Deploy
BlueOcean	<ul style="list-style-type: none"> • New Jenkins 2 GUI • Create pipeline with BlueOcean

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KSEN003 – Jenkins, Continued

Course Contents, continued

Chapter	Description
Jenkins pipeline as code Jenkins file	<ul style="list-style-type: none">• What is Jenkins file• How to we manage Jenkins file• Working with Jenkins file6. Hands on• Practice all we have learned
The End	<ul style="list-style-type: none">• Summary• Q&A• Evaluation

