

KAÏNA-COM

TRAINING CATALOGUE

DevOps introduction for managers

Describe project components that should be automated to reduce TTM and improve agility and introduces the tools for doing it



KSEN005 – Devops introduction for managers

Reference KSEN005

Experience

- Beginner
- Intermediate
- Advanced

Duration Training Program:

- 2 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 1.390,50 € HT

Prerequisite Basic knowledge on DevOps

Audience Software Engineers, Project Managers, Team leaders or recommended for organizations moving to DevOps, or starting using it

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KSEN005 – Devops introduction for managers, Continued

Objective

A course that is tailored for managers wanting improvement in DevOps fields.

Project management and DevOps are correlated together today. In this seminar we will talk about the project components that should be automated to reduce TTM and improve agility and introduces the tools for doing it.

It will have both lectures and interactive sessions (+ Demos) with the students.

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Nos locaux
KAÏNA-COM France
LE CARRÉ HAUSSMANN II
6 Allée de la Connaissance
77 127 Lieusaint



Contact
+33(0)9 50 20 91 64



E-mail
info@kaina-com.fr



Site Internet
www.kaina-com.fr

KSEN005 – Devops introduction for managers, Continued

Course Contents

Course Contents :

Table 1: KSEN005 - Course Contents

Chapter	Description
Introduction	<ul style="list-style-type: none"> • Introduction to DevOps, CI – CD, Software Methodologies (+ Agile). • Necessities of Agile in Software companies • Problems that DevOps Solves <ul style="list-style-type: none"> – Organization culture – Organization pains – Identifying waste – Case studies
Transition to Devops	<ul style="list-style-type: none"> • Change Culture, Being psychologist (dealing with DevOps objections) • New organizational structures • Reduce release time • Pros and cons

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KSEN005 – Devops introduction for managers, Continued

Course Contents, continued

Chapter	Description
DevOps Start	<ul style="list-style-type: none">• Starting with DevOps• The DevOps Tool Categories<ul style="list-style-type: none">– Planning and Architecture– Issue Tracking– Demo: Jira– Monitoring– Demo: Grafana– Configuration Management– Demo: Chef– Source control– Demo: Git– Dev Environments– Demo: Jenkins– Deployment– Demo: Docker• Continuous delivery<ul style="list-style-type: none">– Discussion about artifacts and container• Continuous Integration<ul style="list-style-type: none">– Discussion about testing inside pipelines.– Unit tests, UI Tests, SCA, code review

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KSEN005 – Devops introduction for managers, Continued

Course Contents, continued

Chapter	Description
Demos Information (Internal)	<ul style="list-style-type: none"> • Jira: issue tracking, reports, planning poker, • Grafana: Alerts, notifications, Slack, PagerDuty, • Chef: Terminology, configurations, recipes, • Git: Configurations, Source code management, branching, UI tools, commands, DVCS vs. CVCS, • Jenkins: Configurations, jobs, QA, pipelines, connection to GIT, Maven, MSBuild • Docker: Configurations, docker-files, connection to Jenkins
The End	<ul style="list-style-type: none"> • Summary • Q&A • Evaluation

