KAÏNA-COM
TRAINING CATALOGUE

DevOps

Reviews some of the key concepts and important steps between Development and Operation in addition to implementation of automated process steps

Nos locaux
KAÏNA-COM France
LE CARRÉ HAUSSMANN II
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KSEN004 – DevOps

Reference	KSEN004

Experience

☒ Beginner
☐ Intermediate
☐ Advanced

Duration

Training Program:

- 1 day

Training Method

☐ I: i-learning, individual training (web-based training)

☒ V: v-learning, virtual class

☐ C: c-learning, classroom training

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Price

688,50 € HT

Prerequisite

Basic knowledge of Linux system concepts, Agile (Scrum) methodologies and deployments/automation.
Experience with managing ystems/applications/operations/infrastructure.

Audience

Systems Engineers, WinLinux Systems Engineers, System Administrators, Operations/Infrastructure Team members, Integration Engineers, Development Teams members who want to take part in DevOps projects.

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KSEN004 – **DevOps**, Continued

Objective   The course reviews some of the key concepts and important steps between Development and Operation in addition to implementation of automated process steps in order to help course participants to get understanding DevOps methods to help them appreciate the challenges facing their companies to enable rapid evolution of products services while improving quality and reducing risks and costs.

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KSEN004 – DevOps, Continued

Course Contents

Course Contents :

Table 1: KSEN004 - Course Contents

Chapter	Description
Introduction to DevOps	• What is DevOps? • Why DevOps? • What can DevOps do for you? • DevOps Values and Principals. • DevOps Processes and tools. • Agile & DevOps.
Introduction to Linux	• Basic concepts. • Useful Linux commands. • Components of Linux Operating System. • Short Bash scripts

Source Controls	• Basic concepts.
	• Quick review off different source controls
	   – git Gerrit
	   – p4
	   – svn

Build Tools	• What is Build Tool? • Quick review of maven, ant, etc… • Different types of build processes.
Introduction to CICD	• Continuous Integration. • Continuous Deployment. • Nightly Build.

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KSEN004 – DevOps, Continued

Course Contents, continued

Chapter	Description
Introduction to Jenkins	• What is Jenkins? • Installation & Configuring • Creating Jobs & running builds. • Creating & configuring slaves. • Jenkins useful plugins. • Jenkins Pipelines Groovy. • Reports. • Emails.
Configuration Management	• Basic Concepts. • Configuration management tools. − ansible − puppet − etc… • Benefits of Configuration management.
Artifacts Repositories	• Release versioning process. • Introduction to Nexus. • Introduction to Artifactory.
Dockers	• Dockers Overview. • Dockers basic concepts & foundations. • Dockers Platform Components. • Dockers Installation. • Dockers images, containers & repositories. • Dockers & Jenkins
Monitoring	• Introduction to monitoring world. • Nagios as a monitoring tool.

KSEN004 – DevOps, Continued

Course Contents, continued

Chapter	Description
The End	• Summary • Q&A • Evaluation