DevOps and SRE Fundamentals: Implementing Continuous

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WE ARE CAS

Duración
30 Horas

Modalidad
Aula Virtual

Learning by doing

Curso Oficial

Acerca de:

This course introduces the fundamentals of CI/CD within an open container ecosystem, and takes a project-based approach to help you understand and implement key practices.
Key learnings include the role played by Docker and Kubernetes, using Git for revision control, how to install and configure Jenkins as a CI platform, enforcing development workflows as code reviews, application packaging and distribution with Docker and Docker Registry using Spinnaker to set up multi-cloud deployment pipelines, how to safely release software and much more.

Objetivos:

This course will help you to be agile and deliver features rapidly, while at the same time being able to achieve non-functional requirements such as availability, reliability, scalability, security, and more.

Requisitos:

To make the most out of this course, you will need to have:

- Basic Linux and system administration knowledge
- Understanding of software delivery process

Material del curso:

- Documentación Oficial de This course DevOps and SRE Fundamentals: Implementing Continuous Delivery (LFS261)

Perfil del docente:

- Formador Certificado por The linux Foundation
- Más de 5 años de experiencia profesional
- Más de 4 años de experiencia docente
- Profesional activo en empresas del sector IT

Metodología:

- “Learning by doing” se centra en un contexto real y concreto, buscando un aprendizaje en equipo para la resolución de problemas en el sector empresarial.
- Aulas con grupos reducidos para que el profesional adquiera la mejor atención por parte de nuestros instructores profesionales.
- El programa de estudios como partners oficiales es confeccionado por nuestro equipo de formación y revisado por las marcas de referencia en el sector.
- La impartición de las clases podrá ser realizada tanto en modalidad Presencial como Virtual.

Contenidos:

Module 1: Continuous Delivery Concept

Module 2: Setup: Creating the Learning Environment

Module 3: Basics of Container Operations with Docker

Module 4: Revision Control with Git

Module 5: Setting Up Continuous Integration with Jenkins

Module 6: Pipeline-as-a-Code with Jenkinsfile

Module 7: Using Docker to Simplify CI pipelines

Module 8: Packaging Applications with Docker

Module 9: Continuous Delivery to Dev with Docker Compose

Module 10: Continuous Automated Testing

Module 11: Running Apps at Scale with Kubernetes

Module 12: Continuous Deployment with Spinnaker

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