Training: The Linux Foundation
LFS268 CI/CD with Jenkins X

THE LINUX FOUNDATION AUTHORIZED TRAINING PARTNER

TRAINING GOALS:

This course introduces Jenkins X – an open source tool for CI/CD. Upon course completion, you will walk away with a solid understanding of build blocks of Jenkins X and how to create Pipeline as Code workflows with Jenkins X.

This course is designed for DevOps engineers, SREs as well as software developers and architects who want to master their cloud-native CI/CD skills by introducing Jenkins X solutions. Before enrolling, students should have a basic understanding of Kubernetes, Docker, YAML syntax and programming languages, and a good grasp of Git and software development lifecycle concepts.

In this course, you'll learn how to describe the architecture of Jenkins X, install and operate Jenkins X, build pipelines in Jenkins X, create and import existing projects into Jenkins X, promote applications through various built-in environments, extend and modify pipelines, create custom build packs and much more.

After completing this course, you will be able to use Jenkins X to build, test and deploy your cloud-native applications. As a DevOps engineer or SRE, you will be able to create and manage Jenkins X CI/CD pipelines.

CONSPECT:

- **Chapter 1. Course Introduction**
- **Chapter 2. Introduction to Jenkins X**
- **Chapter 3. Building Blocks of Jenkins X**
- **Chapter 4. Installing Jenkins X**
- **Chapter 5. Creating Jenkins X Project**
- **Chapter 6. CI/CD Flow with Jenkins X**
- **Chapter 7. Jenkins X Pipelines**
- **Chapter 8. Build Packs**
- **Chapter 9. Next Steps**

REQUIREMENTS:

Before taking this course, you should be familiar with:

Compendium Centrum Edukacyjne Spółka z o.o.
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ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70
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- Kubernetes (Kubernetes PODs, namespaces and services)
- Docker – creating and deploying Docker images
- Basics of YAML syntax
- Programming languages (data types, basic syntax, decision-making constructs)
- Git -committing, merging and pull request workflow
- Software Development Lifecycle phases: requirements gathering, design, implementation, testing, deployment and maintenance

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by The Linux Foundation

TRAINER:

The Linux Foundation Certified Trainer

ADDITIONAL INFORMATION:

Online, Self Paced

20 Hours of Course Material

Hands-on Labs & Assignments1

Video Content

12 Months of Access to Online Course

Digital Badge

Discussion forums

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