

CI/CD with Jenkins

Jenkins is the most popular tool to do Continuous Integration and Continuous Delivery of your software. It's free and open source, it has a strong community with thousands of plugins you can use. Jenkins is used in a lot of companies, from startups to enterprises. This course will teach you how to use Jenkins using the Jenkins DSL and Jenkins Pipelines, infrastructure as code and automation to make sure you understand how Jenkins Pipelines fits within this new way of thinking. If you're looking for a job in the DevOps space, Jenkins is a must have skill.

You Must Know!

Duration:

40 Hours

Who should attend?

Developers, System Administrators, DBAs, Managers

Main Topics:

- What is CI/CD?
- Jenkins Pipelines
- Jenkins Job DSL
- Jenkins Integration
- Advanced Topics

Course modules

Module 1 – Introduction

- What is Jenkins?
- About CI/CD
- Jenkins Installation
- Docker Introduction

Module 2 – Getting Started

- Install and Configure Jenkins
- Setup a Jenkins Job
- Jenkins Pipelines View

Module 3 – Jenkins Job DSL

- Job DSL Examples

Module 4 – Jenkins Pipelines

- Pipelines vs Job DSL
- Pipelines Examples with Docker

Lab – Build and Test with Jenkins

Module 5 – Jenkins Integrations

- Email Integration
- Slack Integration
- GitHub and BitBucket Integration
- JFrog Artifactory Integration
- Custom API Integration
- SonarQube Integration

Module 6 – Advanced Topics

- Into to Jenkins Slaves
- Jenkins Slaves with SSH
- Blue Ocean
- SSH Agent
- Security Practices
- Authentication and Authorization
- Authentication Providers
- Scaling Jenkins

Lab - Building a Demo Project

Module 8 – What's new In Jenkins

- Jenkins 2 Latest Features
- New Plugins



המרכז הבינלאומי
ללימודי הייטק וחדשנות

* 6377

מתקדמים
לקריירה בהייטק



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קמפוסים בפריסה ארצית:

באר שבע

רחוב האנגריה 77
פארק ההייטק

ירושלים

רחוב יפו 34

רחובות

רחוב אופנהיימר 5
פארק המדע

תל אביב

ראול ולנברג 36
קריית עתידים