

Sela.



ModOPCICD
modern CI/CD course



college@sela.co.il

03-6176666





modern CI/CD course

ModOPCICD - Version: 1

2 days course

Intended Audience:

DevOps developers, software developers, software

Prerequisites:

- Previous knowledge in the basics of Docker and Kubernetes

Objectives:

- Initial familiarity with the basics of CI/CD and the tools used by the technology and initial ability to use them

Topics:

- **Introduction & Setup**
 - Course introduction
 - Overview of the course objectives and structure
 - Setup instructions for required software and tools
- **CI/CD introduction**
 - Understanding the principles and benefits of Continuous Integration and Continuous Deployment (CI/CD)
 - Overview of the CI/CD pipeline and its components
 - Introduction to common CI/CD practices and workflows
- **Jenkins overview**
 - Jenkins Pipeline as code
 - Jenkins Shared Library



- **GitLab overview**

- GitLab CI/CD pipeline

- **GitHub overview**

- GitHub Actions overview
- CI/CD with GitHub Actions

- **Artifacts repositories overview**

- Artifacts management with Sonatype Nexus
- Artifacts management with JFrog Artifactory

- **GitOps overview**

- GitOps with ArgoCD