



Consulting and Training | Reach New Heights

Course Name

GitLab CI CD for Beginners

Sector Name

Information Technology

Document Type

Generated by Boostlab

[Click Here To Visit Course](#)

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770



GitLab CI CD for Beginners

Course Introduction

Welcome to "GitLab CI/CD for Beginners," a **five-day** course designed to introduce professionals to the world of continuous integration and deployment using GitLab. As organizations increasingly adopt DevOps practices, mastering GitLab's CI/CD capabilities becomes essential for automating software delivery processes. This course provides a foundational understanding of GitLab's architecture, `.gitlab-ci.yml` syntax, and pipeline configurations, enabling you to build efficient workflows for modern software development.

Through interactive sessions and hands-on labs, you will explore the full lifecycle of CI/CD pipelines, from source code management to automated testing and deployment. You will learn how to integrate tools like Docker, Kubernetes, and Terraform into your pipelines, ensuring seamless collaboration between development and operations teams. The course also covers advanced topics such as environment-specific deployments, rollback strategies, and pipeline optimization.

By the end of this course, you will have the skills to design, implement, and manage GitLab CI/CD pipelines that align with industry standards. Whether you are a beginner or an experienced professional, this course offers valuable insights into automating

workflows, improving code quality, and delivering software reliably and safely. With GitLab as your tool of choice, you will be well-prepared to contribute to your organization's DevOps transformation.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)

ROOST

GitLab CI CD for Beginners

Target Audience

This course is ideal for developers, testers, and DevOps engineers who want to leverage GitLab for CI/CD. It is also suitable for beginners looking to understand CI/CD principles and apply them practically.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)

GitLab CI CD for Beginners

Learning Objectives

- ✓ Understand the principles of CI/CD and their implementation in GitLab.
- ✓ Design and configure .gitlab-ci.yml files for various use cases.
- ✓ Automate builds, tests, and deployments using GitLab pipelines.
- ✓ Manage environment-specific configurations and secrets.
- ✓ Optimize pipeline performance and troubleshoot common issues

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)

GitLab CI CD for Beginners

Course Outline

✓ Day 01

Foundations of GitLab CI/CD

- ✓ Introduction to CI/CD
- ✓ Definition and benefits of CI/CD.
- ✓ Overview of GitLab's CI/CD features.
- ✓ Introduction to GitLab
- ✓ GitLab architecture and components.
- ✓ Setting up GitLab repositories and projects.
- ✓ Interactive Session
- ✓ Hands-on exercise: Configure a basic `.gitlab-ci.yml` file.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To vist Course](#)



GitLab CI CD for Beginners

Course Outline

✓ Day 02

Building Basic Pipelines

- ✓ Understanding .gitlab-ci.yml
- ✓ Syntax and structure of pipeline configuration files.
- ✓ Defining stages, jobs, and scripts.
- ✓ Automating Builds
- ✓ Configuring build triggers and dependencies.
- ✓ Integrating source code management (SCM).
- ✓ Practical Exercise
- ✓ Create a simple pipeline for a sample application.
- ✓ Building Basic Pipelines
- ✓ Understanding .gitlab-ci.yml
- ✓ Syntax and structure of pipeline configuration files.
- ✓ Defining stages, jobs, and scripts.
- ✓ Automating Builds
- ✓ Configuring build triggers and dependencies.
- ✓ Integrating source code management (SCM).
- ✓ Practical Exercise
- ✓ Create a simple pipeline for a sample application.
- ✓ Building Basic Pipelines
- ✓ Understanding .gitlab-ci.yml
- ✓ Syntax and structure of pipeline configuration files.
- ✓ Defining stages, jobs, and scripts.
- ✓ Automating Builds

- ✓ Configuring build triggers and dependencies.
- ✓ Integrating source code management (SCM).
- ✓ Practical Exercise
- ✓ Create a simple pipeline for a sample application.

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

BOOST

GitLab CI CD for Beginners

Course Outline

✓ Day 03

Testing and Quality Assurance

- ✓ Integrating Automated Tests
- ✓ Adding unit tests and integration tests to pipelines.
- ✓ Publishing test results and handling failures.
- ✓ Static Code Analysis
- ✓ Using tools like ESLint or SonarQube for code quality checks.
- ✓ Role Play
- ✓ Implement a test suite in your pipeline.

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

GitLab CI CD for Beginners

Course Outline

✓ Day 04

Deploying Applications

- ✓ Configuring Deployment Stages
- ✓ Setting up environments (development, staging, production).
- ✓ Managing environment-specific variables.
- ✓ Rolling Back Deployments
- ✓ Strategies for safe rollbacks.
- ✓ Group Activity
- ✓ Deploy a sample application to multiple environments.

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

GitLab CI CD for Beginners

Course Outline

✓ Day 05

Advanced Topics and Best Practices

- ✓ Securing Pipelines
- ✓ Protecting sensitive data with GitLab secrets.
- ✓ Enforcing access controls.
- ✓ Scaling Pipelines
- ✓ Optimizing resource usage with parallel jobs.
- ✓ Real-World Case Studies
- ✓ Analyzing successful GitLab CI/CD implementations.
- ✓ Final Project Presentation: End-to-end CI/CD Pipeline

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

GitLab CI CD for Beginners

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 13, 2026	April 17, 2026	5 days	4250.00 \$	UAE , Dubai
March 15, 2027	March 19, 2027	5 days	4950.00 \$	Malaysia , Kuala Lumpur
July 26, 2026	July 30, 2026	5 days	4250.00 \$	KSA , Riyadh
Oct. 12, 2026	Oct. 16, 2026	5 days	4250.00 \$	UAE , Dubai

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

info@boostuae.com info@boostorg.com

Generated by BoostLab •

