



Consulting and Training | Reach New Heights

Course Name

DevOps Foundations: CI CD Pipelines

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

DevOps Foundations: CI CD Pipelines

Course Introduction

Welcome to "DevOps Foundations: CI/CD Pipelines," a five-day course designed to provide a foundational understanding of continuous integration and continuous deployment (CI/CD) pipelines. In today's fast-paced software development landscape, organizations demand efficient, automated workflows to deliver high-quality applications at scale. This course introduces the core concepts of CI/CD, including pipeline design, automated testing, and deployment strategies, enabling you to build scalable and maintainable workflows.

Through interactive sessions and hands-on labs, you will explore key CI/CD tools such as Jenkins, GitLab, and CircleCI. You will also learn how to integrate automated testing frameworks, static code analysis, and infrastructure-as-code tools into your pipelines, ensuring seamless collaboration between development and operations teams. The course emphasizes practical application, enabling you to design CI/CD pipelines that align with modern DevOps practices.

By the end of this course, you will have a solid understanding of CI/CD fundamentals and be prepared to take on more advanced topics. Whether you are a developer, system administrator, or IT professional, this course provides the knowledge and skills

necessary to succeed in CI/CD-based projects and 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](#)



DevOps Foundations: CI CD Pipelines

Target Audience

This course is ideal for developers, testers, and DevOps engineers who want to leverage CI/CD pipelines. 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](#)



DevOps Foundations: CI CD Pipelines

Learning Objectives

- ✓ Understand the principles of CI/CD and their role in modern software delivery.
- ✓ Design and configure CI/CD pipelines using popular tools.
- ✓ Integrate automated testing and static code analysis into pipelines.
- ✓ Deploy applications across multiple environments.
- ✓ 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](#)



DevOps Foundations: CI CD Pipelines

Course Outline

✓ Day 01

Foundations of CI/CD

- ✓ Introduction to CI/CD
- ✓ Definition and importance of CI/CD.
- ✓ Benefits of implementing CI/CD pipelines.
- ✓ Overview of popular CI/CD tools (Jenkins, GitLab, CircleCI).
- ✓ Introduction to CI/CD Concepts
- ✓ Understanding pipelines, stages, and jobs.
- ✓ Key components of a CI/CD workflow.
- ✓ Interactive Session
- ✓ Hands-on exercise: Set up a basic 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](#)



DevOps Foundations: CI CD Pipelines

Course Outline

✓ Day 02

Building CI Pipelines

- ✓ Understanding Pipeline Syntax
- ✓ Declarative vs. Scripted pipeline syntax.
- ✓ Writing and debugging pipeline configurations.
- ✓ Automating Builds
- ✓ Configuring build triggers and dependencies.
- ✓ Integrating source code management (SCM).
- ✓ Practical Exercise
- ✓ Create a CI 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](#)



DevOps Foundations: CI CD Pipelines

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](#)



DevOps Foundations: CI CD Pipelines

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 visit Course](#)



DevOps Foundations: CI CD Pipelines

Course Outline

✓ Day 05

Advanced Topics and Best Practices

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

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](#)



DevOps Foundations: CI CD Pipelines

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
March 14, 2027	March 18, 2027	5 days	4250.00 \$	Qatar , Doha
June 13, 2027	June 17, 2027	5 days	4250.00 \$	KSA , Riyadh
Aug. 2, 2027	Aug. 6, 2027	5 days	4250.00 \$	UAE , Dubai
Nov. 2, 2026	Nov. 6, 2026	5 days	2150.00 \$	Virtual , Online

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 •

