DevOpsSchool

Course curriculum · November 2026

LEVEL 02 OF 04 · ESSENTIAL

# Continuous Integration Delivery Essential Training

Script reliable builds, integrate test runners, coverage and static analysis, and fail builds on agreed quality thresholds.

| | | |
|---|---|---|
| LIVE ONLINE<br>**Max 8-10 hours** | CORPORATE (DAY-WISE)<br>**2 days · Days 1-2** | SELF-PACED VIDEO<br>**1-year LMS access** |
| BATCH SIZE<br>**Max 10 learners** | NEXT BATCHES<br>**1st of every month · weekends: first Saturday** | CERTIFICATE<br>**Verifiable certificate of completion** |

| Foundation | Essential | Intermediate | Advanced |
|---|---|---|---|
| 1 day · Included | 2 days · This curriculum | 3 days · Next step | 5 days · Later |

## INSIDE THIS CURRICULUM


| | |
|---|---|
| What you will achieve | Outcomes and level focus |
| Who should attend | Audience and prerequisites |
| Agenda | 20 topics · Foundation to Essential |
| Hands-on labs | 2 labs |
| Formats and fees | Live, 1:1, self-paced, corporate |
| Trainer and reviews | Rajesh Kumar |
| Enrolment | Batches, payment, contacts |


## WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

**Course page:** www.devopsschool.com/courses/continuous-integration/continuous-integration-delivery-essential-training.html
**Talk to us:** WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

# What you will achieve

By the end of the Continuous Integration Delivery course path, you will be able to:

1

### Practice continuous integration

Run automated, self-testing builds with fast feedback on every commit.

2

### Deliver continuously

Package, migrate and deploy software automatically through a delivery pipeline.

3

### Lead CI/CD adoption

Measure, secure, scale and roll out CI/CD practices across an organization.

WHAT THE ESSENTIAL LEVEL ADDS

### Build scripts, automated tests and quality

**Hands-on:** Add tests and quality gates. Extend a build script to run unit tests, coverage and static analysis on the CI server and fail the build below agreed thresholds.

WHO SHOULD ATTEND

- Learners who know the basics of Continuous Integration Delivery and want to use it confidently every day.
- Professionals taking over Continuous Integration Delivery work on a live project.
- Teams agreeing on a common way of working with Continuous Integration Delivery.

BEFORE YOU START

- The Foundation level, or equivalent hands-on experience.
- You can already: Explain CI and CD principles, set up a CI environment and run an automated build with failure notifications on every commit.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION TO ESSENTIAL

# Continuous Integration Delivery Essential Training agenda

20 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

## DAY 1 — Foundation: CI concepts, CI environment and first build

Included from Foundation

1. Continuous integration concept and process: what CI is, why CI and the CI philosophy
2. Benefits: advantages of CI in software development, CI as an enabler and the problems DevOps solves
3. CI versus traditional methodologies: understanding CI/CD and the delivery process
4. Minimum requirements: version control, automated build, self-testing build and the check-in dance
5. Setting up a CI environment: CI tools such as Jenkins, GitHub Actions, GitLab CI and Azure Pipelines
6. Automated builds and committing code: small commits and fast feedback
7. Hello, Continuous Integration: recommended solution layout and building on the CI server
8. Build failure notifications: receiving and responding to broken builds
9. CI do's and don'ts: habits that keep the main branch green
10. First CI pipeline: build and test a project on every push

## DAY 2 — Essential: Build scripts, automated tests and quality

New at this level

11. Build scripts: why a build script, scripting everything and running builds from the command line
12. Build tool practice: MSBuild targets, default targets and debug versus release; Maven and Gradle equivalents
13. Script design: eliminating duplication, custom tasks, non-fatal failures and multiple target dependencies
14. Continuous testing: automated unit, integration, system and functional tests; writing tests for defects
15. Test runners: integrating NUnit, JUnit or pytest and failing the build with exit codes
16. Test reports: running tests on the build server and displaying test reports
17. Coverage: the 100% coverage myth, integrating coverage and failing builds on low coverage
18. Continuous quality: code inspection versus testing, automated code analysis tools and .NET analyzers
19. Pipeline as code: Jenkinsfile and YAML pipelines
20. Branching for CI: trunk-based development, short-lived branches and pull request builds

PRACTICE

# Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION

**Set up a first CI pipeline**

Configure a CI server to build and test a project on every commit and notify the team when the build breaks.

ESSENTIAL

**Add tests and quality gates**

Extend a build script to run unit tests, coverage and static analysis on the CI server and fail the build below agreed thresholds.

HOW YOU CAN LEARN

## Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

| FORMAT | DURATION | WHAT YOU GET | FEE |
|---|---|---|---|
| **Live & interactive (online)** | Max 8-10 hours | Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month. | **INR 34,999** |
| **1:1 live training (online)** | Max 8-10 hours, one-to-one | The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace. | **INR 99,999** |
| **Self-paced video** | 1-year LMS access | All four Continuous Integration Delivery levels, plus 20+ more courses and 50+ tools, at your own pace. | **INR 833/month** billed yearly at INR 9,996 |
| **Corporate (day-wise)** | 2 days for this level | A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative). | **Quote on request** |

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

## Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

| | |
|---|---|
| **20** years in industry | **200+** corporate trainings |
| **10,000+** engineers mentored | **70+** organisations coached |

REVIEWS

## What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR CONTINUOUS INTEGRATION DELIVERY TRAINING

## Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/continuous-integration/

ENROL OR RESERVE A SEAT
**Continuous Integration Delivery Essential Training**

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**Next step after this level: Continuous Integration Delivery Intermediate Training** - Extend CI into continuous delivery with database integration, packaging, deployment automation and release strategies.