

Website: awesome-testing.com

Contact: <https://awesome-testing.com/contact>

CI/CD and Test Observability

Practical CI/CD workshop for test execution pipelines, Dockerized runs, quality gates, and failure diagnosis workflows.

Level: Intermediate

Duration: 2 days

Mode: remote, onsite

Languages: PL, EN

Tooling: GitHub Actions, Docker, Jenkins

Details: <https://awesome-testing.com/workshops/cicd-observability>

Key outcomes

- Build test pipelines in GitHub Actions and Jenkins
- Containerize test runs for reproducible execution
- Implement observability and actionable quality gates

Full program

Overview

A practical workshop on building reliable test delivery pipelines with CI/CD, containers, and observability. The program emphasizes repeatable execution, clear diagnostics, and quality gates that support release decisions.

What you will learn

- Build and structure test pipelines in GitHub Actions and Jenkins
- Containerize test execution for reproducibility across environments
- Implement actionable quality gates and failure triage routines
- Improve visibility into pipeline and test-suite health

Workshop agenda

Day 1: CI/CD pipeline architecture

- Pipeline design for test stages and environments
- Dockerized test execution patterns
- Trigger strategy for PR, nightly, and release workflows
- Artifact management, retries, and baseline stability practices

Day 2: Observability and quality controls

- Capturing logs, traces, screenshots, and reports for diagnosis
- Test result analytics and trend interpretation
- Quality gates based on risk, coverage, and release confidence
- Incident-style triage flow for failed builds and flaky suites

Prerequisites

Participants should understand basic automated testing and version control workflows.