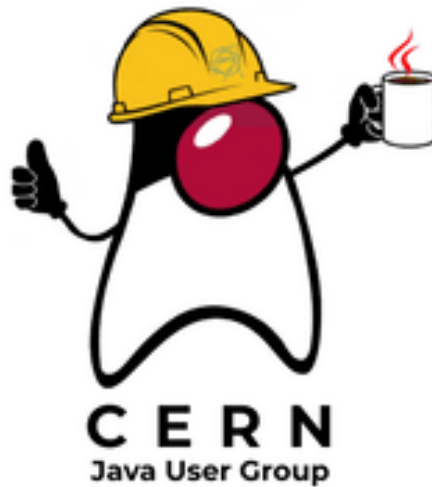


CERN JUG Meet-up #1 - Testing Spring Boot Applications Demystified



Report of Contributions

Contribution ID: 1

Type: **not specified**

Opening words

Friday, 24 October 2025 17:05 (10 minutes)

Presentation about the CERN Java User Group kick-off and future planned activities.

Presenters: SCHUSZTER, Cristian (CERN); URIA VALLE, Victor

Contribution ID: 2

Type: **not specified**

Testing Spring Boot Applications Demystified

Friday, 24 October 2025 17:15 (1h 15m)

Automated testing is crucial for catching bugs early and ensuring application reliability, yet Spring Boot developers struggle daily with flaky tests, over-complicated mocks, and the paralyzing fear of breaking production code. These challenges cost organizations time, money, and developer morale while creating bottlenecks in delivery pipelines.

This talk tackles these real-world pain points head-on, covering everything from unit testing strategies to integration testing best practices. Through practical strategies and proven techniques, you'll learn to eliminate test flakiness, simplify mocking approaches with tools like Testcontainers and WireMock, and build confidence when testing complex Spring Boot applications with databases, message queues, and external APIs.

We'll explore testing patterns that actually work in production environments, debugging techniques for when tests fail mysteriously, and organizational strategies for building a sustainable testing culture within your development team.

You'll walk away with immediately actionable solutions, downloadable code examples, and real-world testing scenarios you can implement the next day, transforming how you approach testing and making you more productive and confident in your development workflow while reducing the stress of deployment day.

Presenter: Mr RIECKS, Philip (PragmaTech)