

# Java Power Tools Bootcamp

- ✓ Standardise your development process
- ✓ Improve your software architecture
- ✓ Improve application quality
- ✓ Reduce maintenance costs
- ✓ Automate deployments and releases

**“Code better - code faster - code smarter”**

The Java Power Tools Bootcamp is a comprehensive, innovative and hands-on workshop covering best-of-breed open source tools and techniques for Agile Development in Java. Learn how to optimise your development process, hone your programming skills and know-how, and ultimately produce better software.

## Course Outline

- ✓ Automating your build process with Maven
- ✓ The Maven development lifecycle and project structure
- ✓ Dependency management with Maven
- ✓ Customising the Maven build process
- ✓ Automating the Release Process
- ✓ Automated deployments to an application server with Cargo
- ✓ Principles of Test-Driven Development
- ✓ Writing clearer tests JUnit with Hamcrest, annotations and parameterized tests
- ✓ Using test coverage to improve your code quality
- ✓ Web testing with Selenium and Web Driver
- ✓ Behaviour Driven Development with easyb
- ✓ Enforcing coding standards and best practices, and spotting bugs with Checkstyle and PMD, and FindBugs
- ✓ Generating UML and database schema technical documentation with UMLGraph and SchemaSpy
- ✓ Centralised code quality management with Sonar process
- ✓ Use Hudson to automated builds, tests, and code quality audits and reports
- ✓ Build pipelines and build promotion strategies
- ✓ Automated deployment
- ✓ Distributed builds

## Course Objectives

- ✓ Use Maven to improve your development productivity and code quality, promote better software architecture, and improve team communication.
- ✓ Understand the issues around dependency management in Java development, and be able to implement declarative dependency management in a corporate environment.
- ✓ Apply Java testing practices and tools to write more reliable code faster.
- ✓ Use Behaviour-Driven Development to write better designed, more maintainable and more reliable code.
- ✓ Be able to write automated database and web interface tests.
- ✓ Use code quality and test coverage metrics to improve your code and your team.
- ✓ Know how to set up a working Continuous Integration server, complete with automated builds, tests, code quality audits and reports, and automatic deployment to an integration server.

## Course Schedule and Price

Wellington	30 August - 3 September 2010	\$4290 NZD + GST
London	13-17 September 2010	£2495
Canberra	18-22 October 2010	\$4290 AUD

## Course format

All our courses are practical in nature. We believe that the only effective way to learn is by practicing it. So this course contains approximately 60-70% lab work - students will work in pairs and use the various techniques described in the course to develop a real working web application.

## Course material

Each registrant will receive a copy of the student notes and lab solutions, a certificate of completion, and a CD containing all the tools covered in the course.



### Why should I go on this course?

The **Java Power Tools Bootcamp** is a unique course. It covers the entire Java development process, covering open source tools and best practices that will help you set up a world-class Java development environment.

Come with us on an in-depth look into how tools like Maven, Nexus, Hudson and many others can work together to streamline your development process and make your life as a developer easier and more enjoyable.

You will come away from this workshop with a solid understanding of how you can improve your development practices back in the real world, as well as an abundance of practical tips and tricks that you can use in your day-to-day work.

## What are developers saying about the Java

### Power Tools Bootcamps?



*"Best development course I have been on in a very long time. Will seriously improve our development/build/test lifecycle."* - Neil, Software Developer

*"One of the best and most useful courses I have attended."*

- Jonathan, Developer

*"Greatly enjoyed the course. Provided many useful insights on how to introduce improved ways of working and how to incorporate new technology with new and 'legacy' Java projects."* - Derek, Technical Team Leader

## For more information...

To find out more, you can:

- Visit our web site on <http://www.wakaleo.com/training>
- Contact John Smart directly on +64 21 032 2797 or at [john.smart@wakaleo.com](mailto:john.smart@wakaleo.com)