

Maven

Course Summary

Description

This training course is designed to go beyond your current assumptions about Apache Maven and learn how to use it most effectively to manage the build and development process. Whether you are a novice aiming to start on the right foot, or a regular user looking to get more out of Maven and avoid common frustrations, this course will give you the skills you need to apply to your own projects. By working through a series of short exercises applied to a complete sample application, you will learn how to apply common patterns in Maven builds to achieve the desired outcome, while learning best practices and common pitfalls along the way. Topics include installation, Maven fundamentals, working efficiently with multi-module projects, simplifying the POM, the best general purpose plugins that you should know about, integration and functional testing, when (and when not) to use Maven sites and reporting, the role of profiles, snapshots and dependency management, repository management, and performing releases. The content is updated for the latest improvements in Maven 2.2 and Maven 3, and will cater to your preference of development environment.

Objectives

At the end of this course, students will be able to:

Learn Maven from first principles, to have all the right building blocks to be able to apply it in any context and adhere to best practices in using it. There is significant time spent on supporting infrastructure such as an artifact repository and continuous integration server, as they bring significant value to every Maven environment.

Topics

- About Maven
- Archiva Introduction
- Maven Basics
- Constructing a POM
- Testing
- Multi-module projects
- Building an Application Structure
- Archiva Basics
- Continuum and Archiva
- Enforcer Plugin
- Making Releases
- Maven Profiles
- Reporting and checks

Audience

The audience is beginning to intermediate users of Maven, particularly in a team scenario.

Prerequisites

Students should have a working laptop with Java & Subversion client installed.

Duration

Two days