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| **Introduction to Maven** |
| Course Intro |
| * Introduction to Maven * Structure * Dependencies * Repositories * Plugins * IDE Integration |
| Introduction (Outline) |
| * High Level Overview * Ant vs. Maven vs. IDE * Installation Best Practices * Hello World Application |
| Summary |
| * Ant is declarative * Maven convention * Ant is scripted * Maven project lifecycle |
| **Structure** |
| Introduction (Outline) |
| * Folder Structure * POM File Basics * Basic Commands and Goals * Dependencies * Local Repo |
| Summary |
| * src/main/java * Target * Pom sections * Goals * Dependency * ~/.m2/repository * Defaults |
| **Dependencies** |
| Introduction (Outline) |
| * Versions * Types * Transitive Dependencies * Scopes |
| Summary |
| * Version numbers * SNAPSHOT * Types * Transitive dependencies * Scopes |
| **Repositories** |
| Introduction (Outline) |
| * Dependency Repo * Plugin Repo * Releases / Snapshots |
| Summary |
| * Dependency and Plugin Repositories * SNAPSHOT code * Plugins * Corporate repository |
| **Plugins** |
| Introduction (Outline) |
| * Goals * Phases * Compiler plugin * Jar plugin * Sources plugin * Javadoc plugin |
| Summary |
| * Goals * Plugins * Compiler plugin * Jar plugin * Source and Javadocs |
| **IDE Integration** |
| Introduction (Outline) |
| * IDEs * Importing * POM viewer * Dependency overview * Adding dependencies * Effective POM |
| Summary |
| * IDE installation * Adding dependencies * Dependency Resolution * IDE configuration |

Why Maven?

* Central repositories for dependencies
* Universal build system
* Easy build process
* Make new features easy

Maven UIDs

* groupID
* artifactID
* version
* dependencies
* groupID..
* artifactID
* version