

# IDE Integration

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# Outline

**IDEs**

**Importing**

**POM viewer**

**Dependency  
overview**

**Adding  
dependencies**

**Effective POM**

# Installation

**Registry**

**Java / Maven installation**

**Bundled Maven**

**STS**

**<https://spring.io/tools>**

# Importing

## Maven integration

## Default Goals

## Classpath



Converting

**pom.xml**

**Convert to Maven Project**

**Classpath**

# POM Viewer

Artifact	
Group Id:	<input type="text" value="com.pluralsight"/>
Artifact Id:	* <input type="text" value="HelloWorld"/>
Version:	<input type="text" value="1.0-SNAPSHOT"/>
Packaging:	<input type="text" value="jar"/> ▼

**Default View**

**High level elements**

**Changes source**

# Dependencies

**Manipulate dependencies**

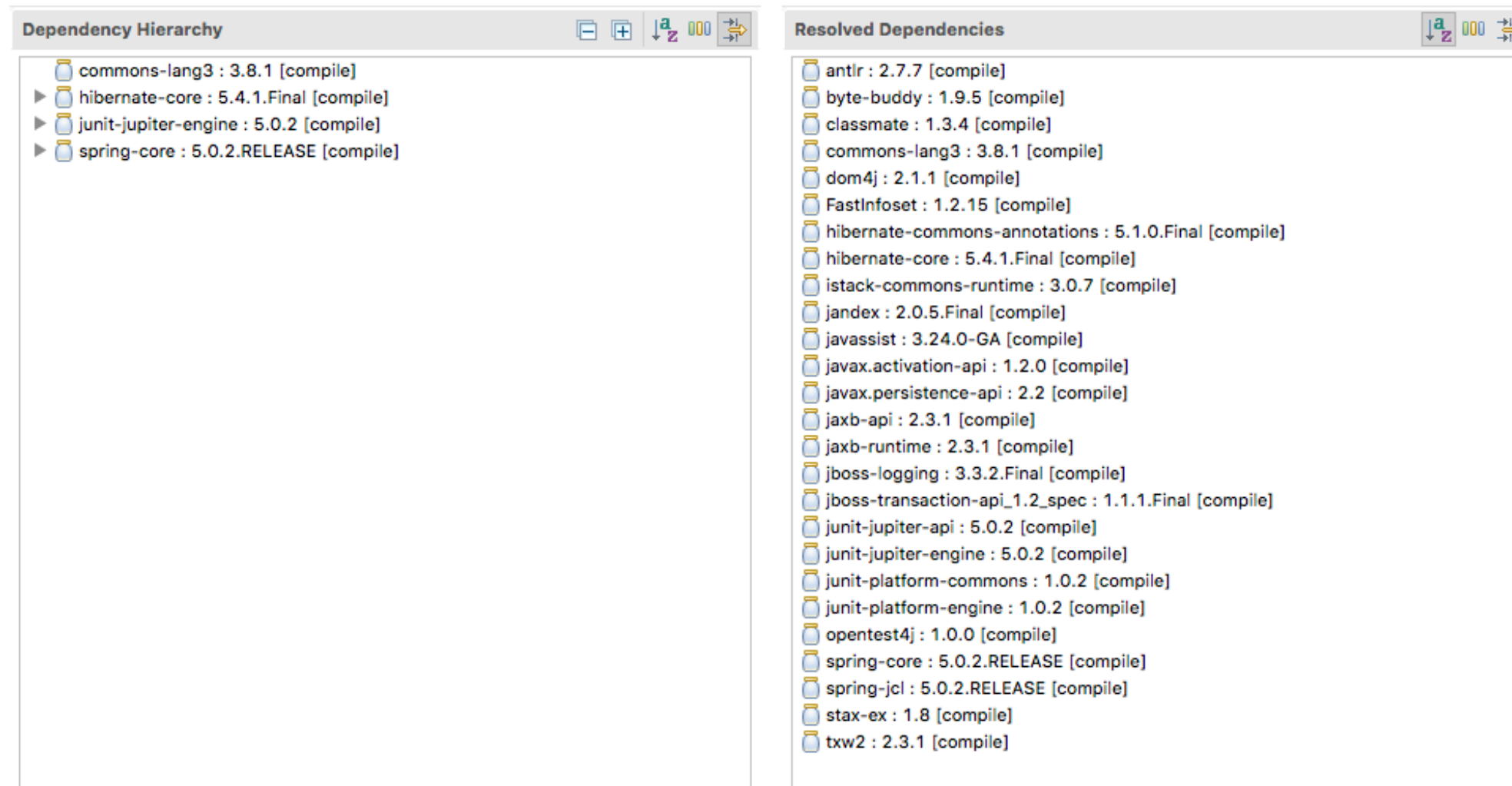
**Dependency Management**

**Add / Search screen**

# Dependency Hierarchy

Displays dependency tree, including transitive and overridden

Scope also displayed



The image shows two side-by-side panels from an IDE, likely IntelliJ IDEA, illustrating dependency management. The left panel, titled "Dependency Hierarchy", shows a tree structure of dependencies. The right panel, titled "Resolved Dependencies", shows a flat list of all resolved dependencies.

**Dependency Hierarchy**

- commons-lang3 : 3.8.1 [compile]
- ▶ hibernate-core : 5.4.1.Final [compile]
- ▶ junit-jupiter-engine : 5.0.2 [compile]
- ▶ spring-core : 5.0.2.RELEASE [compile]

**Resolved Dependencies**

- antlr : 2.7.7 [compile]
- byte-buddy : 1.9.5 [compile]
- classmate : 1.3.4 [compile]
- commons-lang3 : 3.8.1 [compile]
- dom4j : 2.1.1 [compile]
- FastInfoset : 1.2.15 [compile]
- hibernate-commons-annotations : 5.1.0.Final [compile]
- hibernate-core : 5.4.1.Final [compile]
- istack-commons-runtime : 3.0.7 [compile]
- jandex : 2.0.5.Final [compile]
- javassist : 3.24.0-GA [compile]
- javax.activation-api : 1.2.0 [compile]
- javax.persistence-api : 2.2 [compile]
- jaxb-api : 2.3.1 [compile]
- jaxb-runtime : 2.3.1 [compile]
- jboss-logging : 3.3.2.Final [compile]
- jboss-transaction-api\_1.2\_spec : 1.1.1.Final [compile]
- junit-jupiter-api : 5.0.2 [compile]
- junit-jupiter-engine : 5.0.2 [compile]
- junit-platform-commons : 1.0.2 [compile]
- junit-platform-engine : 1.0.2 [compile]
- opentest4j : 1.0.0 [compile]
- spring-core : 5.0.2.RELEASE [compile]
- spring-jcl : 5.0.2.RELEASE [compile]
- stax-ex : 1.8 [compile]
- txw2 : 2.3.1 [compile]



# Effective POM

Complete POM, including inherited settings

Debugging tool

```
<?xml version="1.0" encoding="UTF-8"?>
<project xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.pluralsight</groupId>
  <artifactId>HelloWorld</artifactId>
  <version>1.0-SNAPSHOT</version>
  <dependencies>
    <dependency>
      <groupId>org.apache.commons</groupId>
      <artifactId>commons-lang3</artifactId>
      <version>3.8.1</version>
      <scope>compile</scope>
    </dependency>
  </dependencies>
</project>
```

# Summary

**IDE installation**

**Adding dependencies**

**Dependency Resolution**

**IDE configuration**