

Apache Wicket

A component oriented, open source, web application framework written in Java that focusses on ease of reuse, extensibility and security. If you know Java and HTML, you already know a lot about Wicket.

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Integrated Ajax Wicket provides out-of-the-box AJAX components that even work when JavaScript is disabled by falling back on regular processing. It is trivial to create immersive web 2.0 applications without writing a single line

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Getting started with Apache Wicket

The easiest way of getting started with Wicket is by using the quick start Maven archetype.

Creating the project

To create your project, copy and paste the command line generated after typing in the groupId, artifactId and version.

GroupId: com.mycompany

ArtifactId: myproject

Version: 1.4.7

Command Line:

```
mvn archetype:create -DarchetypeGroupId=org.apache.wicket -DarchetypeArtifactId=wicket-archetype-quickstart -DarchetypeVersion=1.4.7 -DgroupId=com.mycompany -DartifactId=myproject
```

Results

This will produce the following project structure/files

```
.myproject
| pom.xml
|
\---src
    +---main
    |   +---java
    |   |   \---com
    |   |       \---mycompany
    |   |           HomePage.html
    |   |           HomePage.java
    |   |           WicketApplication.java
    |   |
    |   +---resources
    |   |   log4j.properties
    |   |
    |   \---webapp
    |       \---WEB-INF
    |           web.xml
    |
    \---test
        \---java
            \---com
                \---mycompany
                    Start.java
```

Use

Change into the project directory, then create a WAR file via mvn package or build the project and run it under Jetty via mvn jetty:run.

Using the Jetty Plugin

This will compile the project then deploy it to an embeded instance of the Jetty servlet engine, which will be use on port 8080, by default. As a result, once running, your application will be available at <http://localhost:8080/myproject>.

See the Jetty plugin documentation for configuration options, etc.

Using with a specific IDE

Eclipse

To create an Eclipse project, perform the "mvn eclipse:eclipse -DdownloadSources=true" command inside the project directory.

IDEA

To create an IDEA project perform the "mvn idea:idea" command inside the project directory, or if using IDEA 7, from within IDEA, just use "File/New Project/Import from external model/Maven", choose the project directory and select the generated pom.xml.

NetBeans

To create a NetBeans 6 project, just open the pom.xml directly.

