

# woapplication-archetype

## Introduction

The woapplication-archetype is a template to create WebObjects applications. If you start a project using this archetype, all the basic WebObjects files are generated following the standard directory layout.

This archetype requires the most recent version of [maven-archetype-plugin](#) 2.0-alpha-X or later. See [maven-archetype-woapplication](#) if you want to use an older version of maven-archetype-plugin.

## Usage

### Warning

At the time of writing, the Archetype plug-in was in a very early alpha version. This plug-in uses catalogs to know about specific archetypes. You can download the archetype catalog with information about the woapplication-archetype [here](#). You have to save this file into your local repository (.m2) or merge the contents if a file with the same name already exists. Currently (February 2009) this creates wonder supported projects that refer to a groupId of wonder.common, this should be wonder.core.

This archetype allows you to generate a basic project for a WebObjects application. To use this archetype execute the following command:

```
mvn archetype:generate -DarchetypeCatalog=local
```

### First timers

Ensure you have the latest archetype-catalog.xml file to ensure you're referencing the correct repository and artifacts

Choose the archetype:

```
1: local -> woapplication-archetype (WebObjects Application Archetype)
```

Define the project properties:

- **groupId** - the groupId for the new project pom.xml.
- **artifactId** - the artifactId for the new project.
- **version** - an initial version for your project.
- **package** - the package where WebObjects basic classes will be placed.
- **WebObjectsVersion** - the WebObjects version used in the project. The default value for this property is 5.4.1.
- **WonderSupport** - type 'yes' if you want the Wonder framework support in your classes. The default value for this property is 'no'.
- **TrueWarSupport** - type 'yes' if you want to build your project as a true WAR instead of WOA. The default value for this property is 'no'.

See Building the wonder source code with maven ( <http://wiki.objectstyle.org/confluence/display/WOL/Building+the+wonder+source+code+with+maven> ) for selecting the correct versions of Wonder ( for WebObjects 5.3.x or 5.4.x ).

## Standard Directory Layout for WebObjects Applications

"Having a common directory layout would allow for users familiar with one Maven project to immediately feel at home in another Maven project. The advantages are analogous to adopting a site-wide look-and-feel." (<http://maven.apache.org/guides/introduction/introduction-to-the-standard-directory-layout.html>)

The woapplication-archetype provides some additional directories to conform to WebObjects development in addition to the Maven Standard Directory Layout:

```

my-app
|-- pom.xml
`-- src
    |-- main
        |-- java
            |-- my
                |-- group
                    |-- app
                        |-- Application.java
                        |-- DirectAction.java
                        `-- Session.java
                    `-- components
                        `-- Main.java
                |-- resources
                    |-- Info.plist
                    |-- MyModel.eomodeld
                    `-- Properties
                |-- components
                    |-- Main.api
                    `-- Main.wo
                        |-- Main.html
                        |-- Main.wod
                        `-- Main.woo
                |-- webapp
                    |-- WEB-INF
                        |-- web.xml
                        `-- LICENSE
                `-- webserver-resources
                    |-- images
                        |-- sample.jpg
                    |-- css
                        |-- sample.css
                    `-- flash.swf
    
```

### Warning

All resources and webserver-resources structured inside sub folders (i.e. webserver-resources/css/sample.css) will be packaged with the same structure (i.e. WebServerResources/css/sample.css). [maven-wolifecycle-plugin](#) has an option (`flattenResources`) to automatically flatten these resources.

If you want more control over this configuration, you can configure the [resources](#) in your pom.xml like this:

```
<build>
...
  <resources>
    <resource>
      <targetPath>WebServerResources</targetPath>
      <directory>
        ${basedir}/src/main/webserver-resources
      </directory>
      <includes>
        <include>*.swf</include>
      </includes>
    </resource>
    <resource>
      <targetPath>WebServerResources</targetPath>
      <directory>
        ${basedir}/src/main/webserver-resources/images
      </directory>
      <includes>
        <include>*.jpg</include>
      </includes>
    </resource>
    <resource>
      <targetPath>WebServerResources</targetPath>
      <directory>
        ${basedir}/src/main/webserver-resources/css
      </directory>
      <includes>
        <include>*.css</include>
      </includes>
    </resource>
  </resources>
...
</build>
```