

# MavenBuild

## Building Shale with Maven

- <http://shale.apache.org/building.html>

### Examples

From the 'framework' directory of the Shale source code:

<code>\$ mvn</code>	Default build. Includes the framework jars.		
<code>\$ mvn clean -P apps,dist,designtime</code>	Deletes the 'target' directory from every module		
<code>&lt;ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="6c14bd00-f4cc-4b24-8fea-a642775fb38b"&gt;&lt;ac:plain-text-body&gt;&lt;![CDATA[</code>	<code>\$ mvn -Papps,itest</code>	Builds the framework and example apps, executes the integration tests [1]	<code>]]&gt;&lt;/ac:plain-text-body&gt;&lt;/ac:structured-macro&gt;</code>

[1] Set the **cargo.container.home** property with `-Dcargo.container.home=/path/to/tomcat5` or in settings.xml

### Profiles

Build profiles allow conditional inclusion of additional items. Shale's build profiles can be enabled either with `-P` and a comma delimited list: `-P<profile1>,<profile2>` or with individual system properties: `-D<profile1> -D<profile2>`.

**apps** - Builds the shale-apps module, which includes all of the example apps: shale-blank, shale-usecases, etc.

**itest** - Runs the system integration tests for the example apps. Requires the 'cargo.container.home' system property to be set to (usually) the path to a local installation of Tomcat 5.

**designtime** - Builds the designtime module.

**dist** - Includes the shale-dist module, which contains the release assemblies. Not necessary for the build, but useful when generating IDE config files.

NOTE: To build the dist project you must have already built the site by running

```
mvn site
```

from the framework project.

### Integration Testing

The Maven [build lifecycle](#) includes a phase for integration testing. See [MNG-1381](#) and the [Testing Strategies](#) wiki page for more information.

Each Shale example app contains integration tests in its o.a.s.<appname>.systest package.

To execute these tests, enable the **itest** profile