Meecrowave Maven
most of the configuration is inherited from meecrowave-core.

Here are the available options (see core configuration for the details):

<table>
<thead>
<tr>
<th>Name</th>
<th>Default</th>
<th>Property</th>
</tr>
</thead>
<tbody>
<tr>
<td>cdiConversation</td>
<td>false</td>
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<td>clientAuth</td>
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<td>injectServletContainerInitia</td>
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<td>jaxrsProviderSetup</td>
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<tr>
<td>Name</td>
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<td>jaxwsSupportIfAvailable</td>
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<td>modules</td>
<td><code>${project.build.outputDirectory}</code></td>
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<td>project</td>
<td><code>${project}</code></td>
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<tr>
<td>Name</td>
<td>Default</td>
<td>Property</td>
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<td>tomcatWrapLoader</td>
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<td>useClasspathDeployment</td>
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<td>useLog4j2JulLogManager</td>
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<td><code>${meecrowave.log4j2-jul-bridge}</code></td>
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<td>useShutdownHook</td>
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<td>useTomcatDefaults</td>
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<td>watcherBouncing</td>
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<td>webapp</td>
<td><code>${project.basedir}/src/main/webapp</code></td>
<td><code>${meecrowave.webapp}</code></td>
</tr>
</tbody>
</table>
Bundling

`mvn meecrowave:bundle`

This maven goal will create a zip/tar.gz (configurable) ready to launch your application.

The layout is the following one:

```
├── bin
│   ├── meecrowave.sh
├── conf
│   ├── log4j2.xml
│   └── meecrowave.properties
├── lib
│   └── *.jar
├── logs
│   └── meecrowave.log
└── temp
```

Conf folder supports out of the box these files (but you can add your own if needed):

- `log4j2.xml`
- `server.xml`
- `meecrowave.properties`

You can access the root folder of the distribution reading the system property `meecrowave.base`.

`meecrowave.properties` supports all configuration options of the cli (just remove the `--`):

Note: you can also split like Tomcat MEECROWAVE_BASE and MEECROWAVE_HOME if you want to extract meecrowave stack in a separate folder (from the application) to be able to update it independently.

Shading

Plain Maven shade plugin enables you to build fatjar with Maven.

Points to take care are:

1. merge CXF resources
2. merge Log4j2 resources
3. merge OpenWebBeans resources
4. merge SPI files (META-INF/services)
5. ensure signatures are still valid in the aggregated jar

```xml
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-shade-plugin</artifactId>
  <version>2.4.3</version>
  <executions>
    <execution>
      <id>bundle</id>
      <phase>package</phase>
      <goals>
        <goal>shade</goal>
      </goals>
      <configuration>
        <shadedClassifierName>fat</shadedClassifierName>
        <shadedArtifactAttached>true</shadedArtifactAttached>
        <dependencyReducedPomLocation>${project.build.directory}/reduced-pom-bundle.xml</dependencyReducedPomLocation>
        <transformers>
          <transformer implementation="org.apache.maven.plugins.shade.resource.ManifestResourceTransformer">
            <mainClass>org.apache.meecrowave.runner.Cli</mainClass>
          </transformer>
          <transformer implementation="org.apache.maven.plugins.shade.resource.AppendingTransformer">
            <resource>META-INF/cxf/bus-extensions.txt</resource>
          </transformer>
          <transformer implementation="org.apache.maven.plugins.shade.resource.AppendingTransformer">
            <resource>log4j2.component.properties</resource>
          </transformer>
          <transformer implementation="com.github.edwgiz.mavenShadePlugin.log4j2CacheTransformer.PluginsCacheFileTransformer"/>
          <transformer implementation="org.apache.openwebbeans.maven.shade.OpenWebBeansPropertiesTransformer"/>
          <transformer implementation="org.apache.maven.plugins.shade.resource.ServicesResourceTransformer"/>
        </transformers>
        <filters>
          <filter>
            <artifact>*:*</artifact>
            <excludes>
              <exclude>META-INF/*.SF</exclude>
              <exclude>META-INF/*.DSA</exclude>
              <exclude>META-INF/*.RSA</exclude>
              <exclude>META-INF/LICENSE.txt</exclude>
              <exclude>META-INF/LICENSE</exclude>
              <exclude>META-INF/NOTICE.txt</exclude>
            </excludes>
          </filter>
        </filters>
      </configuration>
    </execution>
  </executions>
</plugin>
```
<exclude>META-INF/NOTICE</exclude>
</excludes>
</filter>
</filters>
</configuration>
</execution>
</executions>
<dependencies>
<dependency>
<groupId>org.apache.openwebbeans</groupId>
<artifactId>openwebbeans-maven</artifactId>
<version>1.7.0</version>
</dependency>
<dependency>
<groupId>com.github.edwgiz</groupId>
<artifactId>maven-shade-plugin.log4j2-cachefile-transformer</artifactId>
<version>2.1</version>
</dependency>
</dependencies>
</plugin>