Incode Parent

Table of Contents

This module defines a standard parent POM that can be used as a parent for applications that use the Incode Platform modules.

Its primary purpose is to make it easy to use a set up maven mixins within child POMs; specifically to hold the required `<pluginManagement>` so that versions of plugins are locked down. The quickstart app inherits from this module.

See below for details of the maven mixins so configured.

Contents

This parent POM defines `<properties>` and `<pluginManagement>` for the plugins defined in the following maven mixins:

Module	Ver.	Description	Mixin to add
cucumber reporting	0.0.2	Configures cucumber reporting plugin for BDD specs.	```<mixin> <groupId>com.danhaywood.mavenmixin</groupId> <artifactId>cucumberreporting</artifactId> </mixin>```
datanucleus enhance	0.0.4	Configures datanucleus:enhance (for JDO entities of DN modules) for production and test code	```<mixin> <groupId>com.danhaywood.mavenmixin</groupId> <artifactId>datanucleusenhance</artifactId> </mixin>```
docker	0.0.3	Configures docker to package images and upload to a docker registry (docker hub by default)	```<mixin> <groupId>com.danhaywood.mavenmixin</groupId> <artifactId>docker</artifactId> </mixin>```
enforcer relaxed	0.0.2	Applies the maven enforcer plugin (but with relaxed dependency convergence)	```<mixin> <groupId>com.danhaywood.mavenmixin</groupId> <artifactId>enforcerrelaxed</artifactId> </mixin>```
jetty console	0.0.2	Configure jetty-console plugin (to create a standalone version of a webapp)	```<mixin> <groupId>com.danhaywood.mavenmixin</groupId> <artifactId>jettyconsole</artifactId> </mixin>```
jetty war	0.0.2	Package up a webapp as a WAR file, and to allow the webapp to be run using the jetty maven plugin	```<mixin> <groupId>com.danhaywood.mavenmixin</groupId> <artifactId>jettywar</artifactId> </mixin>```
source and javadoc	0.0.2	Provides the ability to run source, javadoc and jxr plugins (packaged as JAR files or report using `mvn site`)	```<mixin> <groupId>com.danhaywood.mavenmixin</groupId> <artifactId>sourceandjavadoc</artifactId> </mixin>```
standard	0.0.3	Defines the "standard" set of plugins (clean, compile, jar, install, site etc)	```<mixin> <groupId>com.danhaywood.mavenmixin</groupId> <artifactId>standard</artifactId> </mixin>```
surefire	0.0.4	Run surefire plugin for unit, integration and/or (Cucumber) BDD specs.	```<mixin> <groupId>com.danhaywood.mavenmixin</groupId> <artifactId>surefire</artifactId> </mixin>```

Module	Ver.	Description	Mixin to add
static analysis	`0.0.2`	Ability to run various static analysis plugins (checkstyle, pmd, findbugs, javancss, jdepend) as report `mvn site`	``` <mixin> <groupId>com.danhaywood.mavenmixin</groupId> <artifactId>staticanalysis</artifactId> </mixin> ```

How to Configure

To configure:

- inherit from this pom:

```
<parent>
    <groupId>org.incode</groupId>
    <artifactId>incode-parent</artifactId>
    <version>1.17.0</version>
</parent>
```

This has the effect of defining a number of `<properties>` (eg `${mavenmixin-surefire.version}`) and also the setting up the `<pluginManagement>` of all of the plugins referenced by the above maven mixins.

- optionally, override the `isis.version` :

```
<properties>
    <isis.version>1.16.3</isis.version>
    ...
</properties>
```

- for each maven mixin required in the consuming module, just add the corresponding `<mixin>` to:

```
<build>
    <plugins>
        <plugin>
            <groupId>com.github.odavid.maven.plugins</groupId>
            <artifactId>mixin-maven-plugin</artifactId>
            <version>0.1-alpha-39</version>
            <extensions>true</extensions>
            <configuration>
                <mixins>
                    ...                                           ①
                </mixins>
            </configuration>
        </plugin>
    </plugins>
</build>
```

① add in mixin reference here - just copy-n-paste from the fourth column of the above table,

For example, to enable the surefire mixin, just add:

```
<mixin>
    <groupId>com.danhaywood.mavenmixin</groupId>
    <artifactId>surefire</artifactId>
</mixin>
```

Dependencies

This mixin module relies on the [com.github.odavid.maven.plugins:mixin-maven-plugin](), released under Apache License v2.0.