Incode Parent

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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>`<br>`    <groupId>com.danhaywood.mavenmixin</groupId>`<br>`    <artifactId>cucumberreporting</artifactId>`<br>`</mixin>` |
| datanucleus enhance | `0.0.4` | Configures datanucleus:enhance (for JDO entities of DN modules) for production and test code | `<mixin>`<br>`    <groupId>com.danhaywood.mavenmixin</groupId>`<br>`    <artifactId>datanucleusenhance</artifactId>`<br>`</mixin>` |
| docker | `0.0.3` | Configures docker to package images and upload to a docker registry (docker hub by default) | `<mixin>`<br>`    <groupId>com.danhaywood.mavenmixin</groupId>`<br>`    <artifactId>docker</artifactId>`<br>`</mixin>` |
| enforcer relaxed | `0.0.2` | Applies the maven enforcer plugin (but with relaxed dependency convergence) | `<mixin>`<br>`    <groupId>com.danhaywood.mavenmixin</groupId>`<br>`    <artifactId>enforcerrelaxed</artifactId>`<br>`</mixin>` |
| jetty console | `0.0.2` | Configure jetty-console plugin (to create a standalone version of a webapp) | `<mixin>`<br>`    <groupId>com.danhaywood.mavenmixin</groupId>`<br>`    <artifactId>jettyconsole</artifactId>`<br>`</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>`<br>`    <groupId>com.danhaywood.mavenmixin</groupId>`<br>`    <artifactId>jettywar</artifactId>`<br>`</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>`<br>`    <groupId>com.danhaywood.mavenmixin</groupId>`<br>`    <artifactId>sourceandjavadoc</artifactId>`<br>`</mixin>` |
| standard | `0.0.3` | Defines the "standard" set of plugins (clean, compile, jar, install, site etc) | `<mixin>`<br>`    <groupId>com.danhaywood.mavenmixin</groupId>`<br>`    <artifactId>standard</artifactId>`<br>`</mixin>` |
| surefire | `0.0.4` | Run surefire plugin for unit, integration and/or (Cucumber) BDD specs. | `<mixin>`<br>`    <groupId>com.danhaywood.mavenmixin</groupId>`<br>`    <artifactId>surefire</artifactId>`<br>`</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>`<br>`    <groupId>com.danhaywood.mavenmixin</groupId>`<br>`    <artifactId>staticanalysis</artifactId>`<br>`</mixin>``` |

# How to Configure

To configure:

- inherit from this pom:

```xml
<parent>
    <groupId>org.incode</groupId>
    <artifactId>incode-parent</artifactId>
    <version>1.15.1.1</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` :

```xml
<properties>
    <isis.version>1.15.1</isis.version>
    ...
</properties>
```

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

```xml
<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.