

Incode Platform

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The Incode Platform provides a number of *modules* for use with the [Apache Isis](#) framework. These are all released as ready-to-use binaries.

The platform also provides a "*quickstart*" Maven archetype which can be used to quickly set up your own pre-configured applications.

There are also a number of companion/supporting websites, accessible from the "Other Resources" menu, above.

# Quickstart

The [quickstart app](#) is a Maven archetype intended to be used as a starting point for new applications.

```
mvn archetype:generate \
  -D archetypeGroupId=org.incode.platform.archetype \
  -D archetypeArtifactId=quickstart-archetype \
  -D archetypeVersion=1.16.2 \
  -D groupId=com.mycompany \
  -D artifactId=myapp \
  -D version=1.0-SNAPSHOT \
  -B
```

Like the Apache Isis framework's own [simpleapp archetype](#), the application provides a [SimpleObject](#) to adapt and copy, along with supporting unit tests, integration tests and BDD (cucumber) specs.

The application generated from the archetype is also preconfigured with the dependencies for all of the modules available in the Incode Platform, with [auditing](#), [command](#) profiling, message [publishing](#), [security](#), [flywaydb](#), [quartz](#) scheduler and (feature) [togglz](#) enabled by default. The application also configures the *Jolokia* servlet to allow consoles such as *hawt.io* to monitor the internal state of the webapp.

# Modules

Select the modules you need and use them "out of the box", or fork the repo and use the source code as a starting point to meet your own requirements. Most modules are independent of others, with the README for each explaining how to configure your application to use it.

The modules fall into six broad categories, summarised in the table below:

| <i>(Sub)domains</i> | <i>Extensions</i>             | <i>Libraries</i>  | <i>Metamodel Facets</i>   | <i>SPI Implementations</i> | <i>Wicket Components</i>   |
|---------------------|-------------------------------|---|---|----------------------------|--|
| Settings            | FlywayDB<br>Quartz<br>Togglez | Base Docx (MS Word)<br>Excel Fake<br>Data Fixture<br>Support<br>FreeMarker<br>IntegTesting<br>Support JAX-RS Client | PDFBox<br>Polymorphic<br>Associations<br>Servlet API<br>Slack<br>StringInterpolator<br>(OGNL) Unit<br>Testing<br>Support<br>XDocReport<br>Zip | Paraname8                  | Audit<br>Command<br>Replay Error<br>Report (JIRA)<br>Error Report (Slack)<br>Publishmq<br>Security<br>Sessionlogger User<br>Impersonation<br>Excel<br>Fullcalendar<br>2 Gmap3<br>Pdfjs<br>Summernote<br>Wickedcharts |

# Parent POM

The `org.incode:incode-parent` parent POM declares all of the platform modules. It can either be inherited from, or added as a dependency:

```
<dependencyManagement>
  <dependencies>
    <group>org.incode</group>
    <artifactId>incode-parent</artifactId>
    <version>1.6.2</version> ①
    <scope>import</scope>
    <type>pom</type>
  </dependencies>
</dependencyManagement>
```

# Interim Releases

Interim releases of the modules are available at <https://repo.incode.cloud>.

Available interim releases can be found using <https://repo.incode.cloud/#browse/search/maven=attributes.maven2.artifactId%3Dincode-parent>

To use interim releases, add this profile:

```
<profile>
  <id>incode-cloud-maven</id>
  <activation>
    <property>
      <name>!skip.incode-cloud-maven</name>
    </property>
  </activation>
  <repositories>
    <repository>
      <id>incode-cloud-maven</id>
      <url>https://repo.incode.cloud/repository/maven/</url>
      <name>Incode Cloud (maven)</name>
      <releases>
        <enabled>true</enabled>
        <updatePolicy>always</updatePolicy>
        <checksumPolicy>fail</checksumPolicy>
      </releases>
      <snapshots>
        <enabled>false</enabled>
        <updatePolicy>always</updatePolicy>
        <checksumPolicy>fail</checksumPolicy>
      </snapshots>
      <layout>default</layout>
    </repository>
  </repositories>
  <pluginRepositories>
    <pluginRepository>
      <id>incode-cloud-maven</id>
      <name>Incode Cloud (maven)</name>
      <releases>
        <enabled>true</enabled>
        <updatePolicy>never</updatePolicy>
        <checksumPolicy>fail</checksumPolicy>
      </releases>
      <url>https://repo.incode.cloud/repository/maven/</url>
      <layout>default</layout>
    </pluginRepository>
  </pluginRepositories>
</profile>
```

Alternatively, inherit from either `org.incode:incode-parent` or from *its* parent, `org.incode:incode-build`; the latter declares this Maven repository.