

## Quickstart with Example Usage

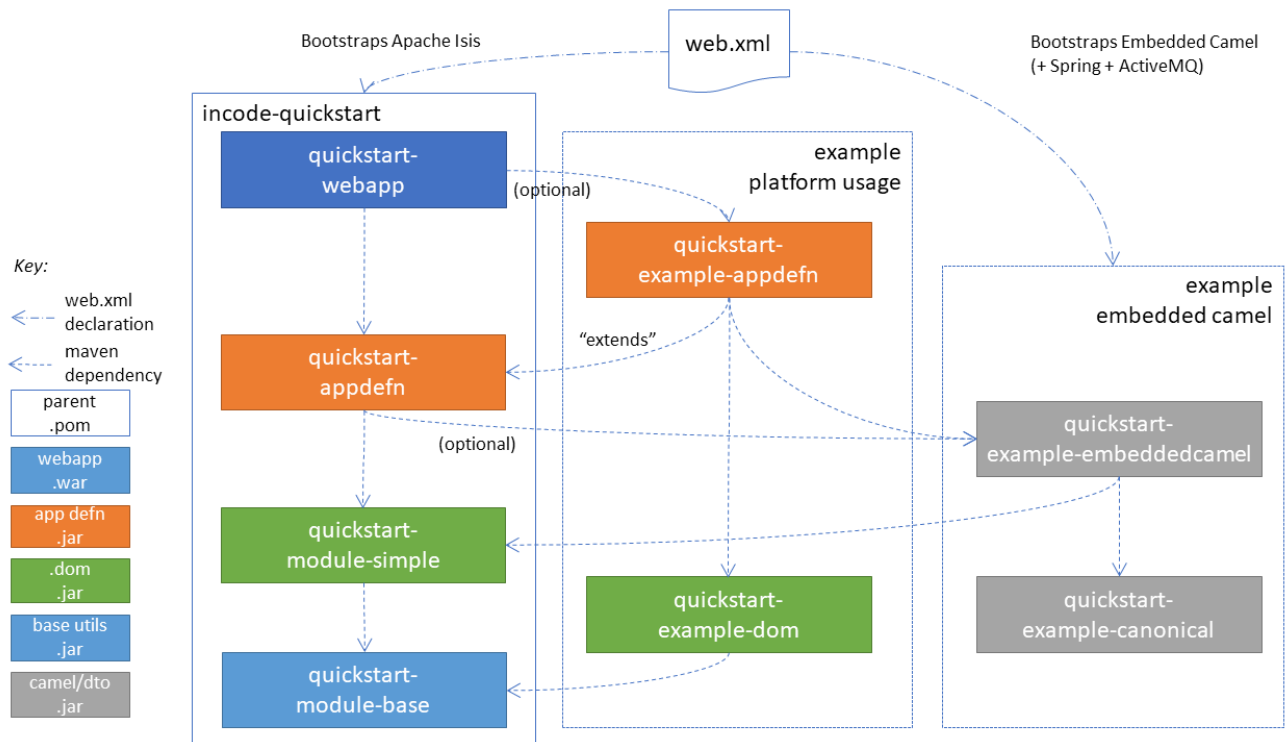
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The application generated by the [quickstart archetype](#) can be extended to include modules that demonstrates the usage of the various modules within the Incode Platform. This builds on the (other) extension to [embed Camel](#).

# Project Structure

The diagram below shows the extended structure of the application and how these example modules fit in:



where:

- quickstart-example-dom** provides a whole slew of additional domain classes that demonstrate the usage of the modules, and which are used in the integration tests of each module.
- quickstart-example-appdefn** provides additional app manifests that extends those provided base quickstart's, including the example modules.

# Including the Example Modules

To include the modules that demonstrate usage of the platform modules, just uncomment the blocks surrounded by these words:

```
Uncomment to include example modules demonstrating platform usage: START
```

and

```
Uncomment to include example modules demonstrating platform usage: END
```

The files that need updating are:

- `pom.xml`
- `webapp/pom.xml`
- `appdefn/src/main/java/domainapp/appdefn/DomainAppAppManifestWithFlywayEnabledForSqlServer.java`

We recommend you [load the application into an IDE](#) to easily do this search-and-replace.

If you've included (uncommented) these example usage modules, then you will be able to run the application with an specific ``AppManifest`s` to demonstrate the usage of each. These are documented in the sections [below](#).



There is also an "extended" manifest that will bootstrap all of the modules, namely `org.incode.domainapp.example.app.DomainAppAppManifestWithExampleModulesAndFixtures`.

If you bootstrap with this manifest, it will set up a (rather complex) custom home page that provides access to the demo fixtures for pretty much all of the modules.

# Modules

The following subsections identify the app manifest to use in order to demonstrate the usage of individual modules.

## Libraries

The table below outlines the app manifests to run to demonstrate usage of the library modules.

*Table 1. Library example usage*

Library	App Manifest	Notes
Base	(none)	Used throughout.
<a href="#">DocRendering-FreeMarker</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomDomDocumentAppManifest</code>	As part of example usage of <a href="#">Document</a> module.
<a href="#">DocRendering-StringInterpolator</a> or	<code>org.incode.domainapp.example.app.modules.ExampleDomDomDocumentAppManifest</code>	As part of example usage of <a href="#">Document</a> module.
<a href="#">DocRendering-XDocReport</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomDomDocumentAppManifest</code>	As part of example usage of <a href="#">Document</a> module.
<a href="#">Docx</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomLibDocxAppManifest</code>	
<a href="#">Excel</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomLibExcelAppManifest</code>	
<a href="#">FakeData</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomLibFakeDataAppManifest</code>	
<a href="#">FixtureSupport</a>	(none)	Used in the integration tests of various modules.
<a href="#">FreeMarker</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomDomDocFragmentAppManifest</code>	As part of example usage of <a href="#">DocFragment</a> module.
<a href="#">IntegTestSupport</a>	(none)	Used in the integration tests of various modules.
<a href="#">PdfBox</a>	(none)	
<a href="#">Poly</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomLibPolyAppManifest</code>	Also used in the implementation of the <a href="#">Communications</a> module (communication channels support).
<a href="#">ServletApi</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomLibServletApiAppManifest</code>	
<a href="#">StringInterpolator</a> or	<code>org.incode.domainapp.example.app.modules.ExampleDomLibStringInterpolatorAppManifest</code>	Also used by the <a href="#">DocRendering-StringInterpolator</a> library.

Library	App Manifest	Notes
<a href="#">UnitTestSupport</a>	(none)	Used in the unit tests of various modules.
<a href="#">XDocReport</a>	(none)	Also used by the <a href="#">DocRendering-XDocReport</a> library.

## Generic Subdomains

The table below outlines the app manifests to run to demonstrate usage of each of the generic subdomain modules.

*Table 2. Generic subdomain example usage*

Subdomain	App Manifest	Notes
<a href="#">Alias</a>	<code>org.incode.domainapp.example.app.modules. ExampleDomDomAliasAppManifest</code>	
<a href="#">Classification</a>	<code>org.incode.domainapp.example.app.modules. ExampleDomDomClassificationAppManifest</code>	
<a href="#">CommChannel</a>	<code>org.incode.domainapp.example.app.modules. ExampleDomDomCommChannelAppManifest</code>	
<a href="#">Communications</a>	<code>org.incode.domainapp.example.app.modules. ExampleDomDomCommunicationsAppManifest</code>	Also uses (and therefore demonstrates use of) the <a href="#">Document</a> module.
<a href="#">Country</a>	<code>org.incode.domainapp.example.app.modules. ExampleDomDomCountryAppManifest</code>	Also used in the implementation of the <a href="#">Communications</a> module (communication channels support).
<a href="#">DocFragment</a>	<code>org.incode.domainapp.example.app.modules. ExampleDomDomDocFragmentAppManifest</code>	Also uses (and therefore demonstrates use of) the <a href="#">FreeMarker</a> library.
<a href="#">Document</a>	<code>org.incode.domainapp.example.app.modules. ExampleDomDomDocumentAppManifest</code>	Also uses (and therefore demonstrates use of) the "DocRendering" libraries for <a href="#">FreeMarker</a> , <a href="#">StringInterpolator</a> and <a href="#">XDocReport</a> .
<a href="#">Note</a>	<code>org.incode.domainapp.example.app.modules. ExampleDomDomNoteAppManifest</code>	
<a href="#">Settings</a>	<code>org.incode.domainapp.example.app.modules. ExampleDomDomSettingsAppManifest</code>	
<a href="#">Tags</a>	<code>org.incode.domainapp.example.app.modules. ExampleDomDomTagAppManifest</code>	

# SPI Implementations

The table below outlines the app manifests to run to demonstrate usage of each of the spi implementation modules.

Table 3. SPI Implementation example usage

SPI Implementation	App Manifest	Notes
<a href="#">Audit</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomSpiAuditAppManifest</code> or <code>domainapp.appdefn.DomainAppAppManifest</code>	Configured in base quickstart app; see <a href="#">auditing</a> .
<a href="#">Command</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomSpiCommandAppManifest</code> or <code>domainapp.appdefn.DomainAppAppManifest</code>	Configured in base quickstart app; see <a href="#">commands</a> .
<a href="#">PublishMQ</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomSpiPublishMqAppManifest</code> or <code>domainapp.appdefn.DomainAppAppManifest</code>	Configured in base quickstart app; see <a href="#">publishing</a> . Also, see the extended <a href="#">embedded camel</a> .
<a href="#">Security</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomSpiSecurityAppManifest</code> or <code>domainapp.appdefn.DomainAppAppManifest</code>	Configured in base quickstart app; see <a href="#">security</a> .
<a href="#">SessionLogger</a>	<code>domainapp.appdefn.DomainAppAppManifest</code>	Configured in base quickstart app; see <a href="#">session logger</a> .

# Wicket Components

The table below outlines the app manifests to run to demonstrate usage of each of the wicket component modules.

Table 4. Wicket Component example usage

Wicket Component	App Manifest	Notes
<a href="#">Excel</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomWktExcelAppManifest</code>	
<a href="#">FullCalendar2</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomWktFullCalendar2AppManifest</code>	
<a href="#">Gmap3</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomWktGmap3AppManifest</code>	



Wicket Component	App Manifest	Notes
<a href="#">pdf.js</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomWktPdfJsAppManifest</code>	
<a href="#">SummerNote</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomWktSummerNoteAppManifest</code>	
<a href="#">WickedCharts</a>	<code>org.incode.domainapp.example.app.modules.ExampleDomWktWickedChartsAppManifest</code>	

## MetaModel Facets

The table below outlines the app manifest to run to demonstrate usage of the metamodel facet modules.

*Table 5. MetaModel Facets example usage*

Metamodel facet	App Manifest	Notes
<a href="#">Paraname8</a>	<code>domainapp.appdefn.DomainAppAppManifest</code>	Configured in base quickstart app.

## Extensions

The table below outlines the app manifest to run to demonstrate usage of the extension modules.

*Table 6. Extension example usage*

Metamodel facet	App Manifest	Notes
<a href="#">FlywayDB</a>	<code>domainapp.appdefn.DomainAppAppManifest</code>	Configured in base quickstart app; see <a href="#">flywaydb</a> .
<a href="#">Quartz</a>	<code>domainapp.appdefn.DomainAppAppManifest</code>	Configured in base quickstart app; see <a href="#">quartz</a> .
<a href="#">Togglz</a>	<code>domainapp.appdefn.DomainAppAppManifest</code>	Configured in base quickstart app; see <a href="#">togglz</a> .