

## Quickstart with Example Usage

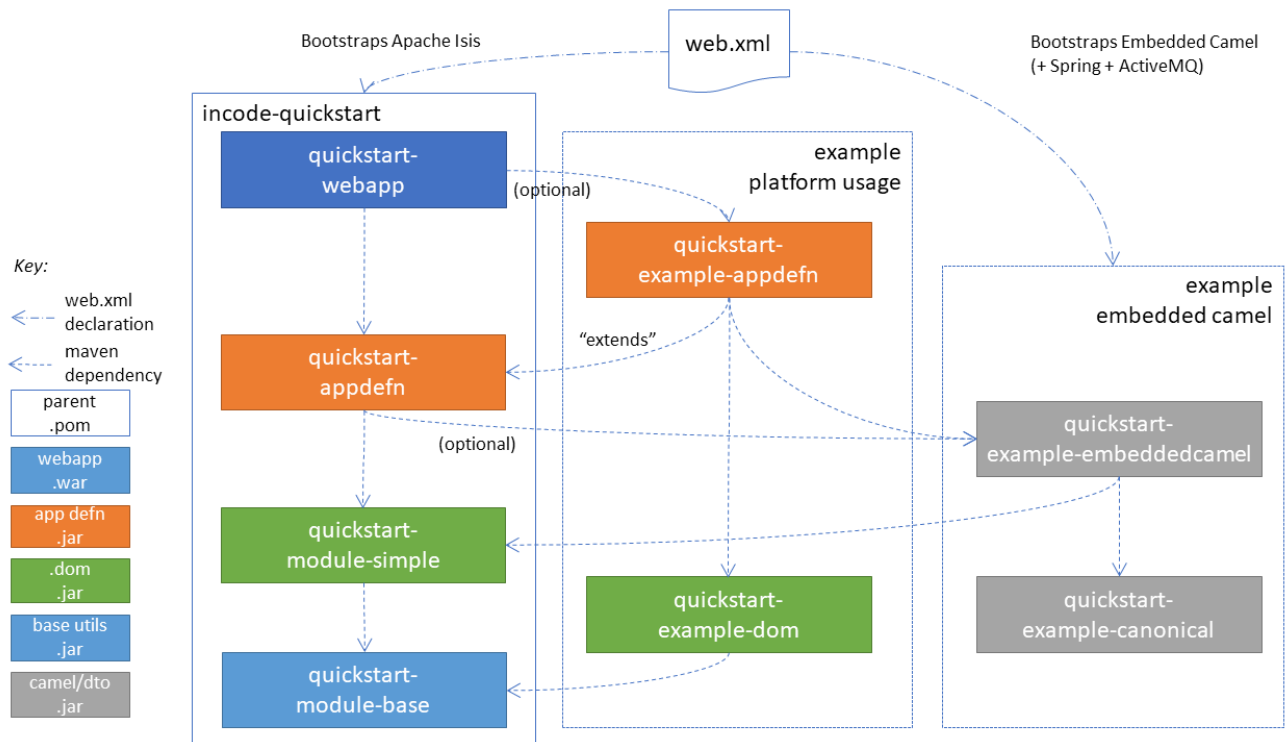
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The application generated by the [quickstart archetype](#) can be extended to include modules that demonstrates the usage of the various modules within the Incode Platform. This builds on the (other) extension to [embed Camel](#).

# 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 relevant blocks surrounded by these words:

```
Comment in to include example modules demonstrating platform usage: START
```

and

```
Comment in to include example modules demonstrating platform usage: END
```

You should find there are three such blocks in the various `pom.xml` files.

If you've uncommented out 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><br>or<br><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><br>or<br><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><br>or<br><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><br>or<br><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> .   |