

Quickstart with Example Usage

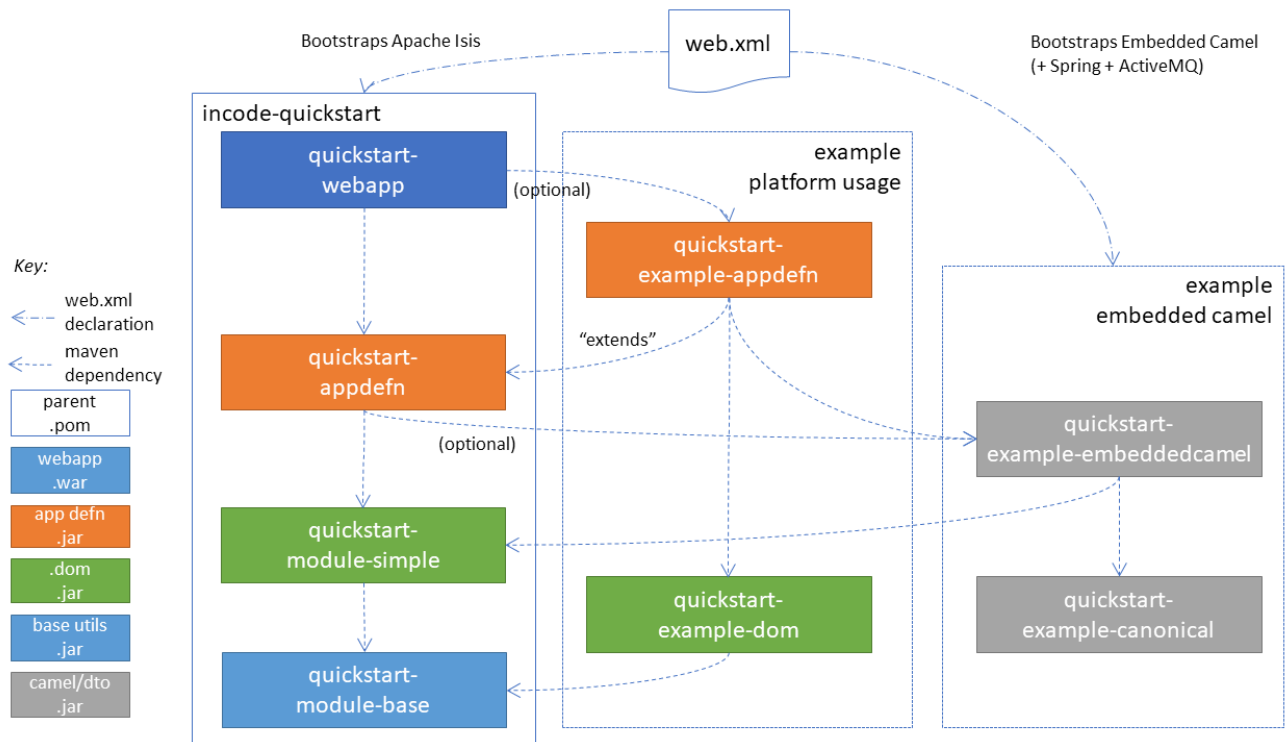
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The application generated by the [quickstart archetype](#) can be extended to include modules that demonstrates the usage of the various modules within the Incode Platform. This builds on the (other) extension to [embed Camel](#).

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

| Library | App Manifest | Notes |
|---------------------------------|--------------|---|
| UnitTestSupport | (none) | Used in the unit tests of various modules. |
| XDocReport | (none) | Also used by the DocRendering-XDocReport 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 |
|--------------------------------|--|---|
| Alias | <code>org.incode.domainapp.example.app.modules.ExampleDomDomAliasAppManifest</code> | |
| Classification | <code>org.incode.domainapp.example.app.modules.ExampleDomDomClassificationAppManifest</code> | |
| CommChannel | <code>org.incode.domainapp.example.app.modules.ExampleDomDomCommChannelAppManifest</code> | |
| Communications | <code>org.incode.domainapp.example.app.modules.ExampleDomDomCommunicationsAppManifest</code> | Also uses (and therefore demonstrates use of) the Document module. |
| Country | <code>org.incode.domainapp.example.app.modules.ExampleDomDomCountryAppManifest</code> | Also used in the implementation of the Communications module (communication channels support). |
| DocFragment | <code>org.incode.domainapp.example.app.modules.ExampleDomDomDocFragmentAppManifest</code> | Also uses (and therefore demonstrates use of) the FreeMarker library. |
| Document | <code>org.incode.domainapp.example.app.modules.ExampleDomDomDocumentAppManifest</code> | Also uses (and therefore demonstrates use of) the "DocRendering" libraries for FreeMarker , StringInterpolator and XDocReport . |
| Note | <code>org.incode.domainapp.example.app.modules.ExampleDomDomNoteAppManifest</code> | |
| Settings | <code>org.incode.domainapp.example.app.modules.ExampleDomDomSettingsAppManifest</code> | |
| Tags | <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 |
|-------------------------------|--|---|
| Audit | <code>org.incode.domainapp.example.app.modules.ExampleDomSpiAuditAppManifest</code> or <code>domainapp.appdefn.DomainAppAppManifest</code> | Configured in base quickstart app; see auditing . |
| Command | <code>org.incode.domainapp.example.app.modules.ExampleDomSpiCommandAppManifest</code> or <code>domainapp.appdefn.DomainAppAppManifest</code> | Configured in base quickstart app; see commands . |
| PublishMQ | <code>org.incode.domainapp.example.app.modules.ExampleDomSpiPublishMqAppManifest</code> or <code>domainapp.appdefn.DomainAppAppManifest</code> | Configured in base quickstart app; see publishing . Also, see the extended embedded camel . |
| Security | <code>org.incode.domainapp.example.app.modules.ExampleDomSpiSecurityAppManifest</code> or <code>domainapp.appdefn.DomainAppAppManifest</code> | Configured in base quickstart app; see security . |
| SessionLogger | <code>domainapp.appdefn.DomainAppAppManifest</code> | Configured in base quickstart app; see session logger . |

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 |
|-------------------------------|---|-------|
| Excel | <code>org.incode.domainapp.example.app.modules.ExampleDomWktExcelAppManifest</code> | |
| FullCalendar2 | <code>org.incode.domainapp.example.app.modules.ExampleDomWktFullCalendar2AppManifest</code> | |
| Gmap3 | <code>org.incode.domainapp.example.app.modules.ExampleDomWktGmap3AppManifest</code> | |

| Wicket Component | App Manifest | Notes |
|------------------------------|--|-------|
| pdf.js | <code>org.incode.domainapp.example.app.modules.ExampleDomWktPdfJsAppManifest</code> | |
| SummerNote | <code>org.incode.domainapp.example.app.modules.ExampleDomWktSummerNoteAppManifest</code> | |
| WickedCharts | <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 |
|---------------------------|---|------------------------------------|
| Paraname8 | <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 |
|--------------------------|---|---|
| FlywayDB | <code>domainapp.appdefn.DomainAppAppManifest</code> | Configured in base quickstart app; see flywaydb . |
| Quartz | <code>domainapp.appdefn.DomainAppAppManifest</code> | Configured in base quickstart app; see quartz . |
| Togglz | <code>domainapp.appdefn.DomainAppAppManifest</code> | Configured in base quickstart app; see togglz . |