

Libraries

# Table of Contents

Most libraries mostly act as wrappers around some lower-level technology libraries such as [Freemarker](#) or [PdfBox](#). The three *docrendering* libraries act as a "glue" between the [Document subdomain](#) and these lower-level libraries.

| Module  | Description   | (direct)<br>3rd party<br>dependencies             |
|---|---|---|
| <a href="#">Base</a>                                | Base library of utility classes.  | (none)  |
| <a href="#">Docx (MS Word) Library</a>              | Provides a mail-merge capability of input data into an MS Word <b>.docx</b> templates, with the generated output document either Word <b>.docx</b> or Acrobat <b>.pdf</b> .   | <a href="#">docx4j</a> ,<br><a href="#">jdom2</a> |
| <a href="#">Excel Library</a>                       | Provides a domain service so that a collection of (view model) object scan be exported to an Excel spreadsheet, or recreated by importing from Excel.                         | <a href="#">Apache POI</a>                        |
| <a href="#">Fake Data Library</a>                   | Provides a domain service that generates fake random data. The random values generated can then be used within unit and integration tests.                                    | <a href="#">java-faker</a>                        |
| <a href="#">Fixture Support Library</a>             | Provides support for writing fixtures.  | (none)  |
| <a href="#">FreeMarker Library</a>                  | Provides a wrapper around the <i>Freemarker</i> templating engine   | <a href="#">Freemarker</a>                        |
| <a href="#">Integration Testing Support Library</a> | Provides a set of testing utilities to support integration testing  | (none)  |
| <a href="#">JAX-RS Client Library</a>               | Provides a wrapper around the JAX-RS Client API (as implemented by Apache CXF).   | <a href="#">Apache CXF</a>                        |
| <a href="#">PDFBox Library</a>                      | Provides a wrapper around <i>Apache PDFBox</i> .  | <a href="#">Apache PDFBox</a>                     |
| <a href="#">Polymorphic Associations Library</a>    | Provides a set of helpers to support the definition of polymorphic associations; that is: relationships from one persistent entity to another by means of a (Java) interface. |   |

| Module   | Description  | (direct)<br>3rd party<br>dependencies |
|--|--|---------------------------------------|
| <a href="#">Servlet API Library</a>                | Provides access to various elements of the Servlet API, namely the <code>ServletContext</code> , the <code>HttpServletRequest</code> and the <code>HttpServletResponse</code> . Note that this module is only available through the Wicket viewer, not the REST API. | (none)                                |
| <a href="#">Slack Library</a>                      | Provides the ability to post to a Slack channel.   | <a href="#">Simple Slack API</a>      |
| <a href="#">String Interpolator (OGNL) Library</a> | Provides a mechanism to interpolate string templates with either Isis system properties or values obtained from a domain object, using <i>OGNL</i> library.  | <a href="#">OGNL</a>                  |
| <a href="#">Unit Testing Support Library</a>       | Provides a set of testing utilities to support unit testing.   | (none)                                |
| <a href="#">XDocReport Library</a>                 | Provides a wrapper around <i>XDocReport</i> , an API to merge XML documents into MS Office ( <code>.docx</code> ) or OpenOffice ( <code>.odt</code> ) files, optionally converting into another format (notably PDF).  | <a href="#">XDocReport</a>            |
| <a href="#">Zip Library</a>                        | Zips up a collection of files.   | (none)                                |