

Application Layer

The following explains the components of the Application Layer.

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Web User Interface

The DSpace Web UI is the largest and most-used component in the application layer. As of DSpace 7, it has been rebuilt on [Angular.io](#) communicating via the [REST API](#) to the rest of DSpace.

Web UI Files

The web User Interface code is managed in a separate GitHub Project:

<https://github.com/DSpace/dspace-angular/>

Quick setup and configuration instructions can be found in the README of that project.

REST API

This component defines the main public API of the Application Layer. See [REST API](#) section of the documentation.

OAI-PMH Data Provider

See [OAI](#) section of the documentation

RDF / Linked Data Provider

See [Linked \(Open\) Data](#) section of the documentation

SWORD v1 Service / Server

See [SWORDv1 Server](#) section of the documentation

SWORD v2 Service / Server

See [SWORDv2 Server](#) section of the documentation

DSpace Command Line Launcher

The DSpace Command Launcher brings together the various command and scripts into a standard-practice for running CLI runtime programs. See [Command Line Operations](#)

Command Launcher Structure

There are two components to the command launcher: the dspace script and the launcher.xml. The DSpace command calls a java class which in turn refers to *launcher.xml* that is stored in the *[dspace]/config* directory

launcher.xml is made of several components:

- `<command>` begins the stanza for a command
- `<name>_name of command_</name>` the name of the command that you would use.
- `<description>_the description of the command_</description>`
- `<step> </step>` User arguments are parsed and tested.
- `<class>_<the java class that is being used to run the CLI program>_</class>`

See [Command Line Operations](#) for additional details.

