



crux-framework

A web framework for fast development in Java language.

Project Home Downloads Wiki Issues Source

Search for

Contents

[User Manual](#)

-1 [Introduction](#)
-2 [Quick Start](#)
-2.1 [Install](#)
-2.2 [Environment Configuration](#)
-2.3 [Sample Application](#)
-3 [Coding Client Side](#)
-3.1 [Building User Interface](#)
-3.2 [Screen](#)
-3.3 [Managing Events](#)
-3.3.1 [Add Event Declaratively](#)
-3.3.2 [Add Event Programmatically](#)
-3.3.3 [Controller](#)
-3.3.3.1 [Controllers Communication](#)
-3.3.3.2 [Value Binding](#)
-3.3.3.3 [Validation](#)
-3.3.3.4 [Parameters Binding](#)
-3.4 [I18N](#)
-3.5 [Client-Server Communication](#)
-3.5.1 [Server Sensitive Methods](#)
-3.6 [Handling Errors](#)
-3.7 [Formatters](#)
-3.8 [Data Sources \(overview\)](#)
-3.8.1 [Data Sources Tutorial](#)
-3.9 [Templates](#)
-3.10 [Running a Different Server](#)
-4 [Coding Server Side](#)
-4.1 [Writing Server Services](#)
-4.2 [I18N](#)
-4.3 [Setup](#)
-5 [Crux Tools](#)
-5.1 [Schema Generator](#)
-5.2 [Project Generator](#)
-5.3 [Crux Compiler](#)

[Crux Errors Description](#)

[Widgets](#)

-1 [GWT](#)
-2 [Crux](#)

[Widget Developer Manual](#)

[Building Crux](#)

[FAQ](#)

BuildingCrux

Updated Today (2 hours ago) by [gessedafe](#)

Crux Artifacts and Projects

Crux distribution includes a set of jar files:

1. crux-core.jar - The core of **Crux** framework.
2. crux-compiler.jar - The **Crux** compiler tool and some ant tasks to call the compiler.
3. crux-gwt-widgets.jar - A set of factories to integrate all GWT widgets with **Crux**.
4. crux-html-tags.jar - A legacy file to keep compatibility with **Crux** 2.1.0 version.
5. crux-html-tags-compile-task.jar - A legacy file to keep compatibility with **Crux** 2.1.0 version.
6. crux-modules.jar - A **Crux** extension to support the module layout for projects.
7. cruxModulesAdmin.module.jar - A **Crux** module that provides administration functions on applications modules.
8. crux-module-compiler.jar - A **Crux** compiler extension to support projects with module layout.
9. crux-scannotation.jar - A modified version of the library scannotation.
10. crux-themes.jar - The standard css to all **Crux** widgets.
11. crux-widgets.jar - The **Crux** widget library.

Each of those files has its own eclipse project and is located on Crux [repository](#):

1. /Crux
2. /CruxCompiler
3. /CruxGWTWidgets
4. /CruxHtmlTags
5. /CruxHtmlTagsCompileTasks
6. /CruxModules
7. /CruxModulesAdmin
8. /CruxModulesCompiler
9. /CruxScannotation
10. /CruxThemes
11. /CruxWidgets

In addition of those projects, we have two projects that you need to download to build the **Crux** distribution:

1. /CruxRelease - This project contains the ProjectGenerator and the ant build file needed to create the distribution file.
2. /CruxLibs - This project is a kind of jar repository. It contains the ant file used to download the dependencies required by all other projects and to distribute those files between the projects.

Building Crux Projects

To build **Crux** you need:

1. A JDK 1.5+ (Tested with sun JDK 1.5 and 1.6 and openJDK 1.6)
2. Eclipse IDE (Tested with 3.5 on Linux and Windows)

After meet the previous requirements, you must:

1. Checkout the projects from **Crux** [repository](#);
2. Run the ant build file /CruxLibs/build/build.xml, calling the taks <download-dependencies>;
3. Run the ant build file /CruxLibs/build/build.xml, calling the taks <distribute>;
4. Refresh all other **Crux** projects and call the ant build file /<CRUX_PROJECT>/build/build.xml, calling the task <export> on each **Crux** project;
5. Run the ant build file /CruxLibs/build/build.xml, calling the taks <distribute> again, to update the /CruxRelease with all crux*.jar, generated in previous step ;

The <export> ant task, compiles the project, generate a jar file and export this jar to /CruxLibs project, to be used by /CruxRelease, when generate the final distribution file.

To generate the final distribution file, just run the ant build file /CruxRelease/build/build.xml, calling the task <dist>;