

Control Project Template

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1. Introduction

Use the "blank" Control sample (located at `<BeehiveRoot>/samples/controls-blank`) as a template for building your own Control projects.

Note:

`<BeehiveRoot>` refers to the top-level directory of your Beehive installation. A typical value for `<BeehiveRoot>` would be `C:/apache/apache-beehive-1.0`.

The template contains a basic 'Hello World' control to get you started. Control projects can be archived in a JAR file and then imported into multiple applications. Simply import the JAR archive into the application's WEB-INF/lib directory.

2. Using the Control Project Template

The following instruction assume that you have completed the basic Beehive set up procedure at [Set Up the Dev Environment](#) (`../setup.html`) .

To use the template:

(1) Copy the contents of `<BeehiveRoot>/samples/controls-blank` into your project folder (referred to as `<Project-Folder>` below). (Or copy `controls-blank` to another location and rename it as `<Project-Folder>`.)

(2) In the file `controls-blank/build.properties`, edit the `beehive.home` property so it points to `<BeehiveRoot>` (the top-level folder of your beehive installation). For example, if your beehive installation resides at `C:/apache/apache-beehive-1.0`, then your `build.properties` file would appear as follows.

build.properties

```
beehive.home=C:/apache/apache-beehive-1.0
```

An Ant build file is included in the template, which will compile your control project into a distributable JAR file. After you have copied the contents of `controls-blank` into your project folder, the following directory structure should exist:

```
<Project-Folder>
src
  build.properties
  build.xml
```

The following Ant command will compile the control template.

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```
ant -f <Path-to-Project-Folder>\build.xml build
```

This will produce a distributable JAR file at:

<Project-Folder>/build/mycontrols.jar.

To use the JAR in your other projects (like a web app project or a web service project), copy mycontrols.jar into the project's WEB-INF/lib directory.

(To change the name of the generated JAR file, edit the following line in build.xml.)

```
<property name="build.jar" value="mycontrols.jar"/>
```

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