

Web Service Project Sample Template

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1. Introduction

Use the "blank" web service sample (located at `<BeehiveRoot>/samples/wsm-blank`) as a template for building your own web service applications.

The template contains everything needed in a basic web service application, except for the runtime JAR files.

2. Using the Web Service Template

The following instructions assume that you have completed all of required and optional steps in the Beehive set up procedure at [Installation and Setup](#) (`../setup.html`).

To use the template, follow these steps:

2.1. Copy and Rename the Template Folder

Copy the folder `BEEHIVE_HOME/samples/wsm-blank` to your development directory.

Rename `wsm-blank` to something more appropriate to your application. Below we assume that the path to the renamed `wsm-blank` is **<Project-Folder>**.

2.2. Edit the build.properties File

In this section you will edit the `build.properties` file--the file that sets the build-related properties for your web service.

Open the file `<Project-Folder>/WEB-INF/src/build.properties` in a text editor.

Edit the `beehive.home` property points to the top-level folder of your beehive installation.

Add the line **`service.name=<SomeContext>`** (as shown below).

For example, if your beehive installation resides at `C:/apache/apache-beehive-1.0`, then your `build.properties` file would appear as follows.

```
beehive.home=C:/apache/apache-beehive-1.0
service.name=<SomeContext>
```

Note: the value of `<SomeContext>` will determine (1) the name of the WAR file produced when the web service is compiled and the (2) part of the URL used by Tomcat to access the web service.

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The WAR file will be named `<SomeContext>WS.war`

The URL will be `http://localhost:8080/<SomeContext>/`

2.3. Build and Deploy the Template Web App

To build the template web service and deploy it the resulting WAR file, run the following Ant command.

The following command assumes that you are using Tomcat server.

```
ant
  -f <Project-Folder>WEB-INF\build.xml
  -Dto.dir=%CATALINA_HOME%\webapps
  clean
  build
  deploy
```

Copy and Paste version:

```
ant -f <Project-Folder>\WEB-INF\build.xml -Dto.dir=%CATALINA_HOME%\webapps
clean build deploy
```

2.4. To Run the Template Web Service

You can now try out the web service by pointing your browser at the following link.

- Run the controller file's `begin()` method: `http://localhost:8080/<SomeContext>/`

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