

# WSM Annotation Samples

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## 1. Introduction

This sample demonstrates the different metadata annotations available to a Beehive web service. The sample takes the form of a web site (with web service backends) with links to SOAP responses for different requests of the web services.

## 2. Running the Sample

### 2.1. Requirements for Running the Samples

To run the Samples, you need:

- Beehive
- Tomcat 5
- J2SE 5
- Ant 1.6.2

### 2.2. To Set up the Environment

Before proceeding, complete all of the necessary and optional steps in the following topic: [Beehive Installation and Setup](#) (./setup.html)

Open a command shell and confirm that the following variables have been set:

- ANT\_HOME
- BEEHIVE\_HOME
- CATALINA\_HOME
- JAVA\_HOME

Also ensure that the following elements are on your PATH:

- ANT\_HOME/bin
- JAVA\_HOME/bin

### 2.3. To Set up the Server

#### 2.3.1. To Start Tomcat

To start Tomcat, run the following command:

```
%CATALINA_HOME%\bin\startup.bat
```

#### 2.3.2. Edit the build.properties Files

In this section you will edit the `build.properties` files--the files that set the

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build-related properties for the web services.

Open the file

BEEHIVE\_HOME/samples/wsm-sample/WEB-INF/src/build.properties in a text editor.

Edit the file so that the beehive.home property points to the top-level folder of your beehive installation. For example, if you 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
```

### 2.3.3. To Compile the App

To compile the app, enter the following Ant command.

```
ant
-f %BEEHIVE_HOME%\samples\wsm-sample\WEB-INF\build.xml
-Dto.dir=%CATALINA_HOME%\webapps
clean
build
deploy
```

**Copy and paste version:**

```
ant -f %BEEHIVE_HOME%\samples\wsm-samples\WEB-INF\build.xml
-Dto.dir=%CATALINA_HOME%\webapps clean build deploy
```

### 2.3.4. To Test the Samples

Verify that the web services is running by pointing your browser to:

<http://localhost:8080/wsm-samplesWS/> (http://localhost:8080/wsm-samplesWS/)

Follow the links for demonstrations of different metadata annotations.

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