

Axis-specific implementation

AXIS WSM

The components integrating the [Jsr181ObjectModel](#) with AXIS are as follows:

[AxisHook.java](#) - can create an `org.apache.axis.description.ServiceDesc` from the object model's metadata. This [ServiceDesc](#) is used within AXIS to set up a running service as well as to generate WSDD and WSDL documents.

[DropInDeploymentHandler.java](#) - examines the annotations in a source file using APT or compiled JWS Class via reflection if a source file is not available. These annotations are then used to configure a web service for use within the AXIS stack.

[DeploymentDumper.java](#) - a command-line tool for generating a deployment descriptor based on annotations present in the web service source code. Since the current focus is on the JWS drop-in deployment model, this class may not be functioning properly as the [AxisHook](#) evolves.

AXIS imports

The AXIS jars checked into `beehive/wsm/lib` were created from a CVS checkout on September 8, 2004. When axis 1.2 is released, the official released libraries might be a better option.

AXIS webapp

A sample webapp is provided that should be ready to just drop into your favorite servlet container. When the beehive WSM is built, the webapp appears in the `build/dist` directory. The included `index.html` will point the user to a the `Foo.jws` service to demonstrate the behavior of the [DropInDeploymentHandler](#). Scripts to run the [DeploymentDumper](#) are in the [AnnotationBasedDeployment](#) directory. These scripts will generated an `annotated-server-config.wsdd` which can be renamed to `server-config.wsdd` to add two additional web services and show the other mode of annotation support.

Outstanding Issues

The two methods of integration with AXIS outlined above are most definitely works in progress. Anyone with a solid understanding of the inner workings of AXIS is cordially invited to comment on, criticize, fix or rearchitect these first drafts. At the moment, the [DropInDeploymentHandler](#)/JWS solution is pretty much functioning as a JSR-181 implementation, but the [DeploymentDumper](#)/WSDD approach has fallen behind since the focus is currently on JWS.