

WebServices - Axis

1. Axis-wsd2java Task

Create Java classes from local or remote WSDL.

1.1. Description

Create Java classes from local or remote WSDL. Mappings from namespaces to packages can be provided as nested `<mapping>` elements.

Proxy settings are taken from the java runtime settings of `http.ProxyHost`, `http.ProxyPort`, etc. The Ant task `<setProxy>` can set these. As well as the nested mapping elements, this task uses the file `NStoPkg.properties` in the project base directory for namespace mapping

This task does no dependency checking; files are generated whether they need to be or not. The exception to this is the `Impl` class, which is not overwritten if it exists. This is a safety measure. However, all other classes are generated overwriting anything that exists.

The safe way to use this task is to have it generate the java source in a build directory, then have a `<copy>` task selectively copy the files you need into a safe location. Again, copying into the source tree is dangerous, but a separate build/src tree is safe. Then include this separate tree in the `<javac>` task's `src` attribute to include it in the build. Implement your own implementation classes of the server stub and the test cases using the generated templates. If you want to add methods to autogenerated data types, consider subclassing them, or write helper classes.

Tip: if you `<get>` the wsd, and use the `<filesmatch>` condition to compare the fetched wsd with a cached copy, you can make the target that calls the `axis-wsd2java` task conditional on the WSDL having changed. This stops spurious code regeneration and follow-on rebuilds across the java source tree.

1.2. Parameters

Attribute	Description	Type
all	flag to generate code for all elements, even unreferenced ones default=false;	boolean

debug	flag for debug output; default=false	boolean
deployscope	add scope to deploy.xml: "Application", "Request", "Session" optional;	java.lang.String
factory	name of the Java2WSDLFactory class for extending WSDL generation functions	java.lang.String
helpergen	Turn on/off Helper class generation; default is false	boolean
namespacemappingfile	set the mapping file. This is a properties file of package=namespace order. Optional, default is to look for a file called NStoPkg.properties in the project directory.	java.io.File
noimports	only generate code for the immediate WSDL document, and not imports; default=false;	boolean
output	output directory for emitted files	java.io.File
serverside	emit server-side bindings for web service; default=false	boolean
skeletondeploy	deploy skeleton (true) or implementation (false) in deploy.wsdd. Default is false. Assumes server-side="true".	boolean
testcase	flag for automatic Junit testcase generation default is false	boolean
timeout	timeout in milliseconds for URL retrieval; default is 45 seconds. Set this to -1 to disable timeouts altogether: other negative values are not allowed)	long
typemappingversion	the default type mapping registry to use. Either 1.1 or 1.2. Default is 1.1	org.apache.axis.tools.ant.wsdl.TypeMappingVers

url	URL to fetch and generate WSDL for. Can be remote or a local file.	java.lang.String
verbose	flag for verbose output; default=false	boolean

1.3. Parameters as nested elements

mapping (org.apache.axis.tools.ant.wsdl.NamespaceMapping)
add a mapping of namespaces to packages

mappingset (org.apache.axis.tools.ant.wsdl.MappingSet)
add a mapping of namespaces to packages