

NAME

wsген – Reads a web service endpoint implementation (SEI) class and generates all of the required artifacts for web service deployment, and invocation.

SYNOPSIS

wsген [*options*] *SEI*

options The command-line options. See Options.

SEI The web service endpoint implementation class (SEI) to be read.

DESCRIPTION

The **wsген** command generates JAX-WS portable artifacts used in JAX-WS web services. The tool reads a web service endpoint class and generates all the required artifacts for web service deployment and invocation. JAXWS 2.1.1 RI also provides a **wsген** Ant task, see the *Tools* tab of the JAX-WS (wsген) page at <http://jax-ws.java.net/nonav/2.1.1/docs/wsgenant.html>

To start the **wsген** command, do the following:

```
export JAXWS_HOME=/path/to/jaxws-ri
$JAXWS_HOME/bin/wsgen.sh -help
```

OPTIONS

-classpath *path*

The location of the input class files.

-cp *path*

The location of the input class files.

-d *directory*

The location for where to place generated output files.

-extension

Allow vendor extensions. Use of extensions can result in applications that are not portable or that do not work with other implementations.

-help

Displays a help message about the **wsген** command.

-keep

Keeps the generated files.

-r *directory*

Uses this option with the **-wsdl** option to specify where to place generated resource files such as WSDLs.

-s *directory*

The location for where to place generated source files.

-verbose

Displays compiler messages.

-version

Prints release information.

-wsdl [*:protocol*]

An optional command that generates a WSDL file to review before endpoint deployment. The WSDL files contains a machine-readable description of how the service can be called, what parameters it expects, and what data structures it returns.

By default the **wsген** command does not generate a WSDL file. The **protocol** value is optional and is used to specify what protocol should be used for the WSDL binding (**wsdl:binding**). Valid

protocols are **soap1.1** and **Xsoap1.2**. The default is **soap1.1**. The **Xsoap1.2** protocol is not standard and can only be used with the **-extension** option.

-servicename *name*

Used only with the **-wsdl** option to specify a particular WSDL service (**wsdl:service**) name to be generated in the WSDL, for example: **-servicename "{http://mynamespace/}MyService"**.

-portname *name*

Used only with the **-wsdl** option to specify a particular WSDL port (**wsdl:port**) name to be generated in the WSDL, for example: **-portname "{http://mynamespace/}MyPort"**.

EXAMPLES

The following example generates the wrapper classes for **StockService** with **@WebService** annotations inside stock directory.

```
wsgen -d stock -cp myclasspath stock.StockService
```

The following example generates a SOAP 1.1 WSDL and schema for the **stock.StockService** class with **@WebService** annotations.

```
wsgen -wsdl -d stock -cp myclasspath stock.StockService
```

The following example generates a SOAP 1.2 WSDL.

```
wsgen -wsdl:Xsoap1.2 -d stock -cp myclasspath stock.StockService
```

Note: You do not have to generate WSDL at development time because the JAXWS run time environment generates a WSDL for you when you deploy your service.

SEE ALSO

- `wsimport(1)`
- *The Tools* tab of the JAX-WS (wsngen) page <http://jax-ws.java.net/nonav/2.1.1/docs/wsgenant.html>

