


# jaxws-tools

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The **jaxws-tools** script can be used to generate portable artifacts used in JAX-WS web services. For example, portable artifacts such as Service Endpoint Interface (SEI) class, Service class, JAXB generated value types, etc.

This command has the following syntax:

```
jaxws-tools toolName [toolOptions] ...
```

Where `toolName` can be either:

- **#wsngen** - generate portable artifacts from Java
- **#wsimport** - generate portable artifacts from WSDL

The **jaxws-tools** command can also be started by using the **java -jar** command:

```
java -Djava.endorsed.dirs=lib/endorsed -jar bin/jaxws-tools.jar toolName [toolOptions] ...
```

## wsgen

The **jaxws-tools** uses the **wsgen** tool provided by Sun to generate the portable artifacts from Java class. The **wsgen** tools has the following syntax:

```
jaxws-tools wsgen [options] <SEI>
```

- **-classpath <path>**  
Specifies where to find input class files.
- **-d <directory>**  
Specifies where to place generated output files.
- **-keep**  
Keep generated files.
- **-r <directory>**  
Specifies where to place resource files such as WSDLs.
- **-s <directory>**  
Specifies where to place generated source files.
- **-wsdl**  
Generate a WSDL file.
- **-servicename <name>**  
Specifies the Service name to use in the generated WSDL (used in conjunction with the `-wsdl` option).
- **-portname <name>**  
Specifies the Port name to use in the generated WSD (used in conjunction with the `-wsdl` option).

Example:

```
jaxws-tools wsgen -d output -keep -wsdl -classpath . foo.BarService
```

## wsimport

The **jaxws-tools** uses the **wsimport** tool provided by Sun to generate the portable artifacts from WSDL. The **wsimport** has the following syntax:

```
jaxws-tools wsimport [options] <WSDL_URI>
```

- **-d <directory>**  
Specifies where to place generated output files.
- **-keep**  
Keep generated files.

- **-p <pkg>**  
Specifies the target package.
- **-s <directory>**  
Specifies where to place generated source files.
- **-wsdllocation <location>**  
Specified @WebService.wsdlLocation and @WebServiceClient.wsdlLocation value.

Example:

```
jaxws-tools wsimport -d output -keep http://localhost:8080/foo/Bar?wsdl
```