

Enabling Web Service Client Development Support Through a Dedicated Facet

This approach is applicable if you are going to develop the client side for a Web service of one of the following types:

- *GlassFish/JAXWS2.X RI/Netro 1.X/JWSDP2.0.*
- *Apache Axis.*
- *RESTful Web Service.*

IntelliJ IDEA creates the relevant Web services client module structure and identifies all the necessary libraries automatically through the [dedicated Web Services Client facet](#). Besides, IntelliJ IDEA either locates the previously downloaded required libraries or suggests to download them to the location of your choice.

A *Web Services Client* facet can be added to the module directly without a parent *Web* facet.

To enable web service client development support through a dedicated facet, do one of the following

- [Create a Java module](#) with the dedicated *Web Services Client* facet. Besides setting up the relevant module structure and providing all the necessary libraries automatically, IntelliJ IDEA will create a sample package with a `HelloWorldClient` class, which you can use as an example or populate it as necessary to develop your application.
- [Add the dedicated facet](#) to an existing module.

In either case, IntelliJ IDEA will download the predefined WS engine implementation version.

To create a module for a web service client application

1. Create a Java module from scratch.


On the first page of the wizard, select **Java Module**, not **Web Module**. (The Web module type is for developing web applications using programming languages other than Java, for example, [PHP](#), or [JavaScript](#), or [markup languages](#).)

2. On the fourth, **Technologies**, page of the wizard, select the **Web Services Client** check box.

3. In the **WebServices Client** area, select the desired WS engine implementation in the **Version** drop-down list. The available options are:

- *GlassFish/JAX-WS 2.X RI/Metro 1.X/JWSDP 2.0* for developing the client side of JAX-WS Web services.
- *Apache Axis* for developing the client side of Apache Axis Web services.
- *RESTful Web Services* for developing the client side of RESTful Web services.

4. The **Libraries** area shows all the files that are required for development but are currently missing in the module. To configure the required libraries, do one of the following:

- To have the missing files downloaded and arranged in a library, select the **Download Missing Files** to check box and specify the target location in the text box below. Type the path manually or click the **Browse** button  and choose the desired location in the **Directory for Downloaded Libraries** dialog box, that opens. Then specify the name of the library to be created and its level: *project*, *module*, or *global*.

The library constituted of the downloaded files will be available for using in other modules.

- To use one or several libraries, created from previously downloaded files, click the **Use Libraries** button and select the check boxes next to the desired WS engine implementation libraries in the **Select Libraries** dialog box, that opens.
- To have specific files from various locations used, click the **Pick files from disk** button and specify the desired files in the **Select Paths** dialog box, that opens.

For multiple selection, keep Ctr1 pressed.

To add the dedicated facets to an existing module

1. Open the [Module Settings dialog box](#).
2. In the **Modules** node, right-click the relevant module.
3. From the **New** context menu, select **Web Services**.
4. In the **Choose WS Engine** drop-down list, select the desired Web service type. The available options are:
 - *Apache Axis*
 - *Apache Axis2*
 - *GlassFish/JAX-WS 2.X RI/Metro 1.X/JWS DP 2.0*
 - *RESTful Web Services*
 - *JAX_RS (Jersey)*
 - *XFire 1.X/CXF*
 - *JAX-RPC*
 - *JBossWS*
 - *WebSphere 6.x*
5. If some additional libraries are required, the corresponding warning message is displayed. Click **Fix**. The necessary libraries will be downloaded and added automatically.

If any additional configuration for the selected WS engine is required, the [Web Services](#) page of the [Settings](#) dialog box opens. Specify the required WS engine settings and click **OK**.

See Also

Concepts:

- [Web Services](#)
- [Web Service Clients](#)
- [Facet](#)

Procedures:

- [Creating Projects](#)
- [Adding Modules to a Project](#)
- [Configuring Module Dependencies and Libraries](#)
- [Web Service Clients](#)
- [Web Services](#)

Reference:

- [New Project Wizard](#)
- [Enable Web Services Support Dialog](#)
- [Web Services Reference](#)
- [Web Services Facet Page](#)

Web Resources:

- [Developer Community](#) 

