

Web Services

IntelliJ IDEA supports efficient development, packaging, and deployment of [Web services](#).

The supported standards are:

- [Java API for XML Web Services \(JAX-WS\)](#)
- [Apache Axis](#)
- [JAX-RS](#)

You can also enable and manually configure support of the following [additional WS engines](#):

- [Apache Axis2](#)
- [XFire 1.X](#)/[CXF](#)
- [JBossWS](#)
- [WebSphere 6.X](#)

IntelliJ IDEA provides the following development and packaging facilities:

- Setting up the relevant module structure and downloading all the necessary resources based on the [dedicated Web services facet](#) you specify.
- Generating the necessary deployment descriptors, mapping and manifest files "on-the-fly".
- Packaging the Web service files, with the EAR file structure following the rules defined by the Enterprise Web Services 1.1 specification.

The Web service development functionality is provided via the *Web Services bundled plugin*, which is by default enabled. If not, enable it using the [Plugin Configuration Wizard](#) or the [Plugins](#) page of the [Settings](#) dialog box.

To develop a Web service

1. In a [Java module](#), [enable support](#) of the relevant Web service.
2. Populate the module with the necessary classes and methods.
3. [Compile](#) the developed classes and [expose](#) them as a Web service.

To enable developing the client side of the Web service before the Web service itself is deployed, generate a [WSDL document](#).

4. Configure the [artifacts](#) to deploy.

Do not forget to include the *Web* and *Web Services* facet resources in the artifact.

5. [Create a run configuration](#). On the **Deployment** tab, create a list of artifacts to be deployed. Specify the application contexts for each of them.
6. [Run](#) the application.
7. [View and manage deployed Web services](#) in the [Deployment Console](#) of the [Run](#) tool window.

See Also

Concepts:

- [Artifact](#)

Procedures:

- [Web Services](#)
- [Web Service Clients](#)
- [Updating Applications Running on Application Servers](#)

Reference:

- [Web Services Reference](#)
- [Artifacts](#)

External Links:

- <http://www.w3.org/TR/wsdl>
- http://www.jetbrains.com/idea/docs/Web_Services_with_IntelliJ_IDEA.pdf

Web Resources:

- [Developer Community](#)