

# Enabling Web Application Support

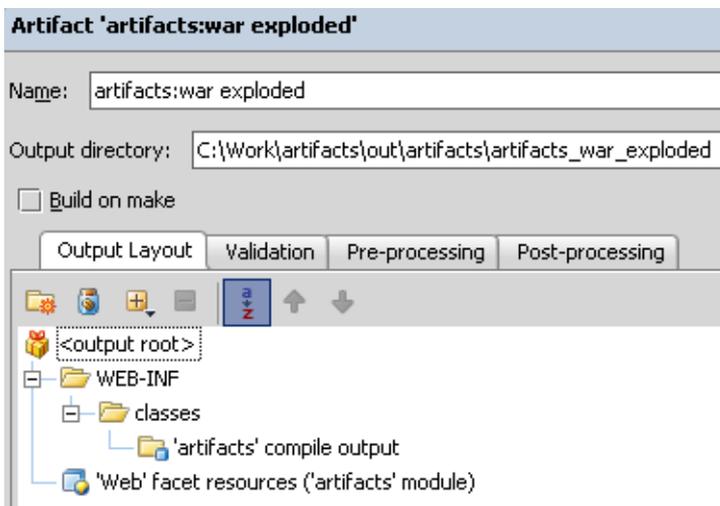
The [dedicated Web facet](#) provides facilities for developing Web applications, sets up the relevant module structure, and creates the required deployment descriptors. You can create a [new](#) module with a dedicated Web Application facet from scratch or add a facet to an [existing](#) module.

IntelliJ IDEA configures the module as follows:

- Creates the structure of the module with the **web** and **WEB-INF** nodes.
- Creates a Web application deployment descriptor `web.xml` under the **WEB-INF** node .

This is done automatically for versions 2.2 - 2.5.

- Creates an `index.jsp` file that will be the home page of your application and stores it below the **web** node.
- Configures a basic [artifact](#) of the type **exploded** with the following structure:



You can use this configuration as is or customize it, as required, for example, include [static Web content resources](#).

## To enable web development support in a new module

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, **Select the desired technologies**, page of the wizard, select the **Web Application** check box.
3. From the **Version** drop-down list, select the relevant specification. The available options are:
  - **2.2 - 2.5** - if you choose one of these options, IntelliJ IDEA will create a Web application deployment descriptor for you automatically.
  - **3.0** - if you choose this option, select the **Create web.xml** check box to have a Web application deployment descriptor created. Clear the check box to use annotations instead.

## To configure web development support in an existing module

1. Add a **Web** facet to the module and [open](#) its settings. The right-hand pane shows the [Web Facet](#) settings.
2. The **Deployment Descriptors** area shows the location of the `web.xml` deployment descriptor, which is already created for you. To change its location or version, click  (Enter).
3. To assign another existing descriptor, click  (Alt+Delete) and confirm deletion in the **Delete Deployment Descriptor** dialog box that opens. To have the current descriptor removed from your computer, select the **Also delete file from disk** check box and click **Yes**. In the **Deployment Descriptors** area, where IntelliJ IDEA returns you, click  (Alt+Insert) and select the desired version and file in the **Deployment Descriptor Location** dialog box that opens.
4. If your application server needs a proprietary deployment descriptor, click the **Add Application Server Specific Descriptor** button and select your server from the list.

No matter whether you are creating a module from scratch or adding a Web facet to an existing module, IntelliJ IDEA detects conflicts and suggests to resolve them.

- If some required libraries are missing, click the **Fix** button. The necessary libraries will be downloaded and installed automatically.
- If the facet resources are not included in any of the previously configured [artifacts](#), click the **Fix** button and choose the appropriate artifact from the list.
- If no artifacts of the relevant type are configured, click the **Create Artifact** button and configure the artifact layout on the [Artifacts](#) page of the **Project Structure** dialog box that opens.

## See Also

### Concepts:

- [Facet](#)
- [Artifact](#)

### Procedures:

- [Adding and Removing Facets](#)
- [Changing Facet Settings](#)
- [Configuring Artifacts](#)
- [Enabling Java EE Application Support](#)

### Reference:

- [Web, EJB and Java EE Application Facet Pages](#)
- [Artifacts](#)
- [Java EE Reference](#)

### Web Resources:

- [Developer Community](#) 