

Creating Google App Engine Project

To develop a Google App Engine web application, you need a [project](#) with a Java [module](#) and additional support for Web and Google App Engine application development.

To create a project for google app engine application development

1. If no project is currently open in IntelliJ IDEA, click **Create New Project** on the [Welcome screen](#). Otherwise, select **New Project** from the File menu.

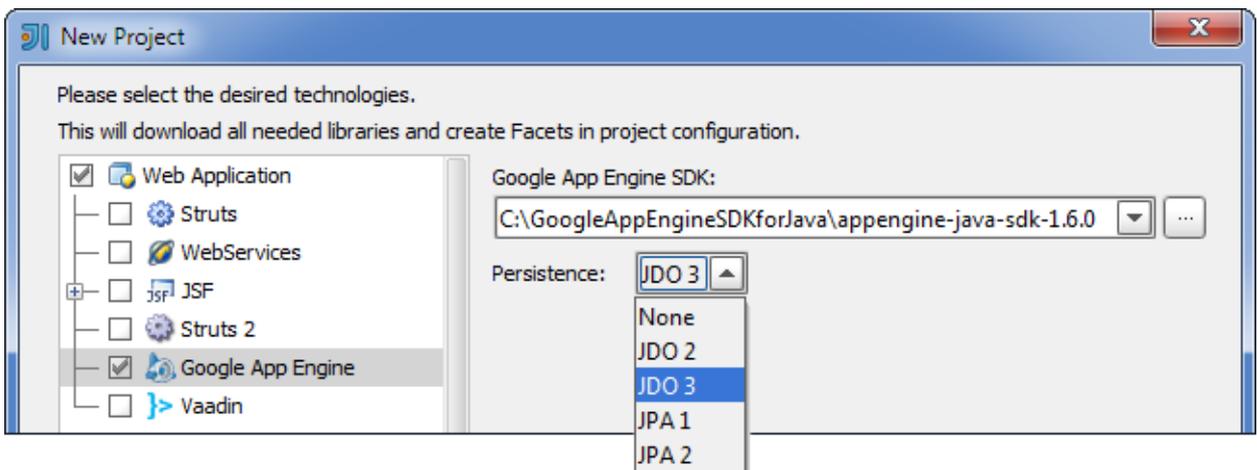
As a result, the [New Project wizard](#) opens.

2. On the [first page of the wizard](#), in the left-hand pane, select **Java**.
3. In the right-hand part of the page, specify the project name and location.
4. Select the desired Java [SDK](#) from the **Project SDK** list.

If the list is empty or doesn't contain the SDK that you need, click **New** and select **JDK**. Then, select the installation folder of the required JDK in the [dialog that opens](#).

5. Specify [other settings](#) as necessary and click **Next**.
6. On the [Technologies page](#) of the wizard, select the **Web Application** check box, and then select the version of the Servlet specification to be supported from the **Version** list.
7. Select the **Google App Engine** check box. Under **Google App Engine SDK** select the SDK to be used. If the list is empty or doesn't contain the SDK that you want, click  and select the installation folder of the required Google App Engine SDK in the [dialog that opens](#).

If necessary, select the [App Engine Datastore implementation](#)  to be supported from the **Persistence** list ([JDO](#)  or [JPA](#) .



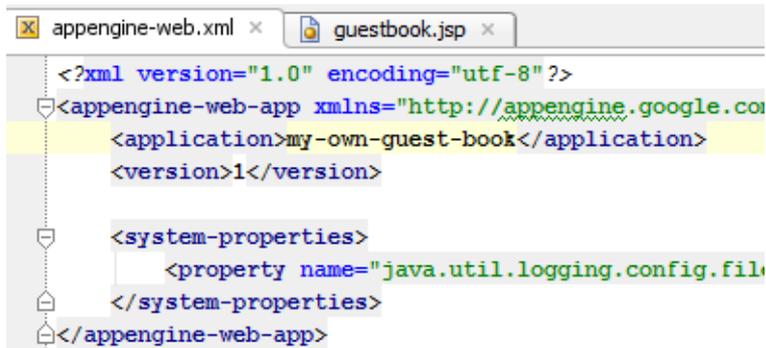
8. Click **Finish**.

IntelliJ IDEA creates a directory structure, which you can explore in the [Project tool window](#). Depending on the selected persistence type, IntelliJ IDEA will:

- Generate `persistence.xml` for JPA, or `jdoconfig.xml` for JDO.
- Take the required libraries from the App Engine SDK.

Later, you can view the persistence settings, and change them if necessary, on the [Google App Engine Facet Page](#). If no persistence is selected, the enhancement step is omitted in the build file.

9. Open the file `appengine-web.xml` located in the `WEB-INF` directory. In the `<application>` tag, enter the identifier that you have already defined in the [Create application](#) page of the Google App Engine. The application identifier should meet certain requirements: only lower-case letters, digits, and "-" characters are allowed; the application id should not begin with "-".



```
<?xml version="1.0" encoding="utf-8"?>
<appengine-web-app xmlns="http://appengine.google.com"
  <application>my-own-guest-book</application>
  <version>1</version>
  <system-properties>
    <property name="java.util.logging.config.file"
  </system-properties>
</appengine-web-app>
```

10. In the **App Engine Project** dialog box that opens, specify the following:
 - In the **Application ID**, enter the identifier that you have already defined in the [Create application](#) page of the Google App Engine. The application identifier should meet certain requirements: only lower-case letters, digits, and "-" characters are allowed; the application id should not begin with "-".
 - The location of the App Engine SDK on your machine. Type the path manually in the **App Engine SDK directory** field. If the SDK directory is added to the `path` variable during installation, it is detected automatically.
11. Click **OK**. IntelliJ IDEA creates an application and produces specific file structure, which you can explore in the **Project** tool window.

IntelliJ IDEA always uses the Python 2.7 runtime when creating a new project.

See Also

Reference:

- [Google App Engine Facet Page](#)

Web Resources:

- <http://code.google.com/intl/en/appengine/>
- [Developer Community](#)