

Creating an App for the App Engine Flexible Environment

The following IDEs support this feature:

IntelliJ IDEA - Ultimate

IntelliJ IDEA - Community

Only Java applications are supported.

[App Engine](/appengine/docs/flexible/java) (/appengine/docs/flexible/java) is a fully managed, serverless platform for developing and hosting web applications at scale.

This document describes how to create an application (or import an existing project) for the App Engine flexible environment with Cloud Code.

Before you begin

- Install and set up **JetBrains IDE version 2019.3+** (such as IntelliJ Ultimate/Community, PyCharm Professional/Community, WebStorm, GoLand) on the **PATH** of your machine.
- Install the Cloud Code plugin:
 - Open IntelliJ IDEA (or any supported JetBrains IDE).
 - From your plugins marketplace (**File > Settings > Plugins** or for Mac OS X, **IntelliJ IDEA > Preferences > Plugins**), search for the 'Cloud Code' plugin and install it.

You may be prompted to restart your IDE to activate the plugin.

Creating a new application

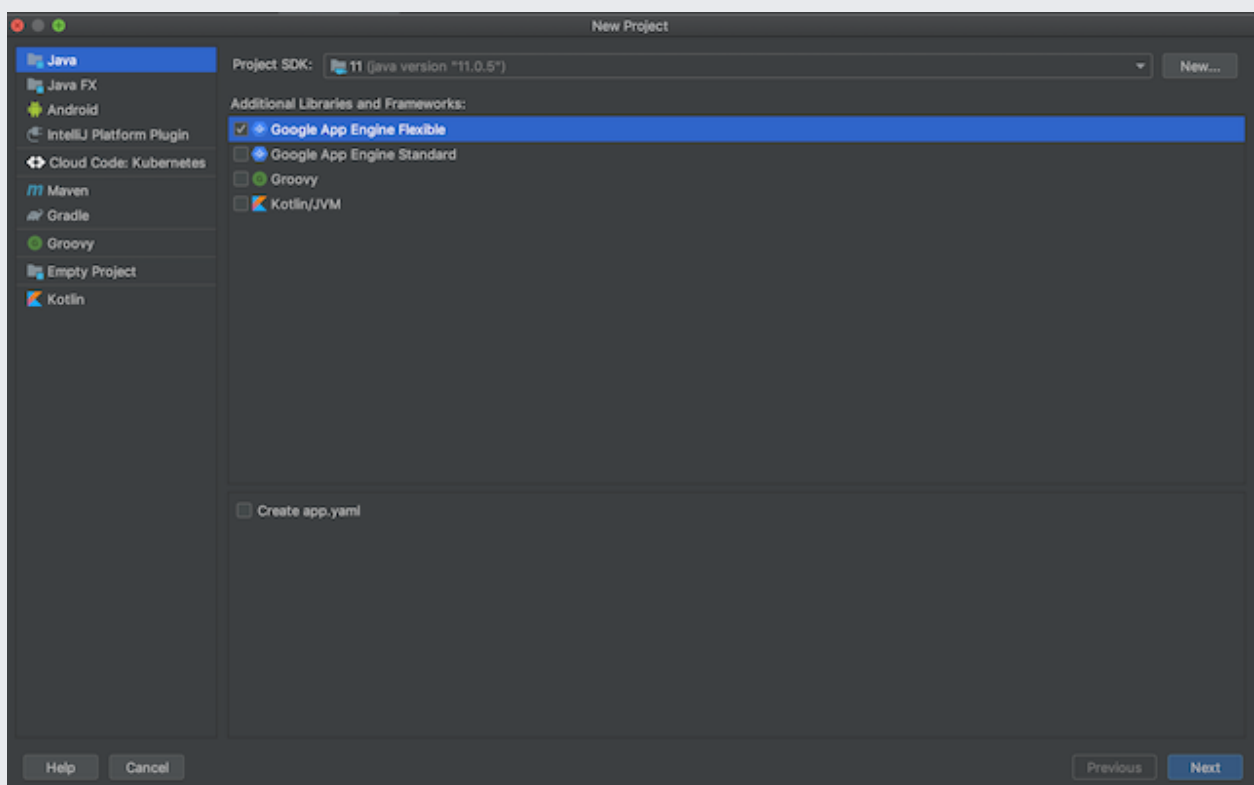
You can create a new application by using the new project wizard or by importing an existing project in Cloud Source Repositories.

Using the new project wizard

To create a new project, you can use the IntelliJ New Project wizard to generate a template application as the start for your own application.

Create a new project as follows:

1. Choose **File > New > Project** to display the **New Project** dialog.
2. Choose **Java** in the left panel.
3. In the **Additional Libraries and Frameworks** section, check the **Google App Engine** box for your environment.



4. If needed, select the **Create app.yaml** checkbox.
5. Click **Next**.
6. Enter a **Project name**.
7. Enter a **Project location** if you do not want to keep the default.

8. Update the fields in the **More Settings** section if you do not want to keep the defaults.
9. Click **Finish**.

Checking out an existing project

You can check out your existing project in Cloud Source Repositories:

1. Choose **VCS > Checkout from Version Control > Get from Version Control....**
2. Select 'Google Cloud' from the 'Version Control' dropdown and click 'Clone'.
3. In the **Clone from Google Cloud** dialog, select the **Cloud Project** associated with your project.
4. Select your **Cloud Repository**.
5. Select the **Parent Directory**.
6. Enter the **Directory Name**.
7. Click **Clone**.

Adding framework support

If you never added framework support to your application, IntelliJ IDEA prompts you to configure the framework after detecting that you opened an App Engine application.

If you previously configured framework support, you can skip these steps.

1. Right click the project.
2. Choose **Add Framework Support**.
3. Select the **App Engine flexible** checkbox.

Alternatively, you can add App Engine framework support through the **Cloud Code** menu:

- a. Select **Tools > Cloud Code > Add App Engine support > Google App Engine flexible**.
- b. Select the module you want to add framework support to.

- c. Click **OK**.
4. If needed, select the **Create app.yaml** checkbox.
5. Click **OK**.

What's next

Now that you've created an application, you can deploy it to the [App Engine flexible environment](/code/docs/intellij/deploy-flex) (/code/docs/intellij/deploy-flex).

Getting Support

To send feedback, report issues on [GitHub](https://github.com)

(<https://github.com/GoogleCloudPlatform/cloud-code-intellij/issues>), or ask a question on [Stack Overflow](https://stackoverflow.com/questions/ask?tags=google-cloud-intellij) (<https://stackoverflow.com/questions/ask?tags=google-cloud-intellij>).

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