Installation - Agent Development Kit

Source URL: https://google.github.io/adk-docs/get-started/installation/

Installing ADK¶

PythonJava

Create & activate virtual environment¶

We recommend creating a virtual Python environment using venv:

```
python -m venv .venv
```

Now, you can activate the virtual environment using the appropriate command for your operating system and environment:

```
# Mac / Linux
source .venv/bin/activate

# Windows CMD:
.venv\Scripts\activate.bat

# Windows PowerShell:
.venv\Scripts\Activate.ps1
```

Install ADK¶

```
pip install google-adk
```

(Optional) Verify your installation:

```
pip show google-adk
```

You can either use maven or gradle to add the `google-adk` and `google-adk-dev` package.

`google-adk` is the core Java ADK library. Java ADK also comes with a pluggable example SpringBoot server to run your agents seamlessly. This optional package is present as part of `google-adk-dev`.

If you are using maven, add the following to your `pom.xml`:

pom.xml

```xml
<dependencies>
  <!-- The ADK Core dependency -->
  <dependency>
    <groupId>com.google.adk</groupId>
    <artifactId>google-adk</artifactId>
    <version>0.1.0</version>
  </dependency>

  <!-- The ADK Dev Web UI to debug your agent (Optional) -->
  <dependency>
    <groupId>com.google.adk</groupId>
    <artifactId>google-adk-dev</artifactId>
    <version>0.1.0</version>
  </dependency>
</dependencies>
```

Here's a [complete pom.xml](#) file for reference.

If you are using gradle, add the dependency to your build.gradle:

build.gradle

```
dependencies {
    implementation 'com.google.adk:google-adk:0.1.0'
    implementation 'com.google.adk:google-adk-dev:0.1.0'
}
```

Next steps¶

- Try creating your first agent with the **Quickstart**