<u>Cloud Vision API Product Search</u>

Product Search Using client libraries

Installing the client libraries

JAVA   NODE.JS   PYTHON

If you are using Maven, add this to your pom.xml file:

```
<dependency>
  <groupId>com.google.cloud</groupId>
  <artifactId>google-cloud-storage</artifactId>
  <version>1.37.1</version>
</dependency>
```

If you are using Gradle, add this to your dependencies:

```
compile 'com.google.cloud:google-cloud-storage:1.37.1'
```

If you are using SBT, add this to your dependencies:

```
libraryDependencies += "com.google.cloud" % "google-cloud-storage" % "1.37.1"
```

If you're using IntelliJ or Eclipse, you can add client libraries to your project using these IDE plugins:

- <u>Cloud Tools for IntelliJ</u>
   (https://cloud.google.com/tools/intellij/docs/client-libraries?
   utm_source=github&utm_medium=google-cloud-java&utm_campaign=ToolsforIntelliJ)

- <u>Cloud Tools for Eclipse</u>
   (https://cloud.google.com/eclipse/docs/libraries?utm_source=github&utm_medium=google-cloud-java&utm_campaign=ToolsforEclipse)

Besides adding client libraries, the plugins provide additional functionality, such as service account key management. Refer to the documentation for each plugin for more details.

Note: Google Cloud Java client libraries do not currently support Android.

Using the client library

To run the client library on your local workstation:

1. Install the Google Cloud SDK (https://cloud.google.com/sdk/downloads).

2. Create a service account
   (https://cloud.google.com/iam/docs/creating-managing-service-accounts#creating_a_service_account)
   .

3. Create a service account key
   (https://cloud.google.com/iam/docs/creating-managing-service-account-keys#creating_service_account_keys)
   and download the JSON key file.

4. Set the `GOOGLE_APPLICATION_CREDENTIALS` environment variable to point to your service account key file. This enables your client libraries to use Application Default Credentials (ADC).

   ```
   export GOOGLE_APPLICATION_CREDENTIALS=path-to-key-file
   ```

5. Authenticate by running the following command: `gcloud auth application-default login`

   For information about authenticating in other environments, see the Google Cloud Platform Auth Guide (https://cloud.google.com/docs/authentication/getting-started).