Cloud AutoML Vision

# **AutoML Vision Client Libraries**

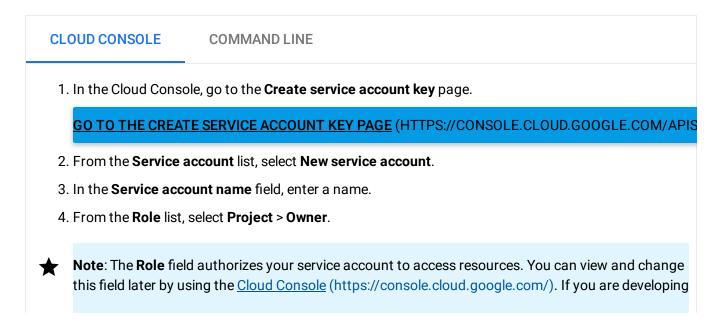
This page shows how to get started with the Cloud Client Libraries for the Cloud AutoML API. Read more about the client libraries for Cloud APIs, including the older Google APIs Client Libraries, in Client Libraries Explained (https://cloud.google.com/apis/docs/client-libraries-explained).

## Installing the client library



# Setting up authentication

To run the client library, you must first set up authentication by creating a service account and setting an environment variable. Complete the following steps to set up authentication. For other ways to authenticate, see the <u>GCP authentication documentation</u> (https://cloud.google.com/docs/authentication/production).

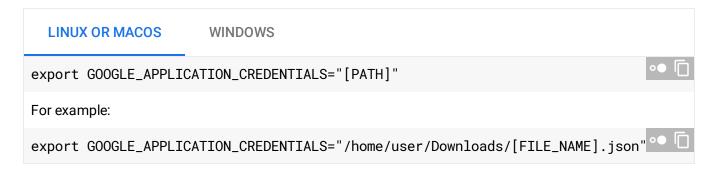


a production app, specify more granular permissions than **Project > Owner**. For more information, see granting roles to service accounts

(https://cloud.google.com/iam/docs/granting-roles-to-service-accounts).

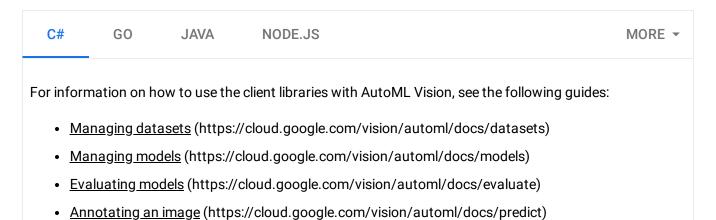
5. Click **Create**. A JSON file that contains your key downloads to your computer.

Provide authentication credentials to your application code by setting the environment variable **GOOGLE\_APPLICATION\_CREDENTIALS**. Replace **[PATH]** with the file path of the JSON file that contains your service account key, and **[FILE\_NAME]** with the filename. This variable only applies to your current shell session, so if you open a new session, set the variable again.



## Using the client library

The following example shows how to use the client library.



Batch image annotation (https://cloud.google.com/vision/automl/docs/predict-batch)

#### Additional resources

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- <u>API Reference Documentation</u> (https://googleapis.github.io/google-cloud-dotnet)
- <u>Source Code</u> (https://github.com/GoogleCloudPlatform/google-cloud-dotnet)
- <u>GitHub Issue Tracker</u> (https://github.com/GoogleCloudPlatform/google-cloud-dotnet/issues)
- Stack Overflow (https://stackoverflow.com/search?q=%5Bgoogle-cloud-vision%5D+%5Bc%23%5D)

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