

[Cloud AutoML Vision](#)

Before You Begin

Before you can use AutoML Vision, you must enable it for your project. Follow the instructions on this page, or visit the [AutoML Vision UI](https://console.cloud.google.com/vision) (<https://console.cloud.google.com/vision>) and click **Do it for me** to automatically set up your project (once you've enabled billing in step 1 of the linked page.)

1. This product requires you to use `us-central1` as the specified region.

Set up your project

1. [Sign in](https://accounts.google.com/Login) (<https://accounts.google.com/Login>) to your Google Account.

If you don't already have one, [sign up for a new account](https://accounts.google.com/SignUp) (<https://accounts.google.com/SignUp>).

2. In the Cloud Console, on the project selector page, select or create a Google Cloud project.

★ **Note:** If you don't plan to keep the resources that you create in this procedure, create a project instead of selecting an existing project. After you finish these steps, you can delete the project, removing all resources associated with the project.

[GO TO THE PROJECT SELECTOR PAGE](https://console.cloud.google.com/projectselector) ([HTTPS://CONSOLE.CLOUD.GOOGLE.COM/PROJECTSELECTOR](https://console.cloud.google.com/projectselector))

3. Make sure that billing is enabled for your Google Cloud project. [Learn how to confirm billing is enabled for your project](#) (<https://cloud.google.com/billing/docs/how-to/modify-project>).

4. Enable the AutoML and Cloud Storage APIs.

[ENABLE THE APIS](https://console.cloud.google.com/flows/enableapi?apiid=storage) ([HTTPS://CONSOLE.CLOUD.GOOGLE.COM/FLOWS/ENABLEAPI?APIID=STORAGE-](https://console.cloud.google.com/flows/enableapi?apiid=storage)

5. [Install the gcloud command line tool](https://cloud.google.com/sdk/downloads#interactive) (<https://cloud.google.com/sdk/downloads#interactive>).

6. Follow the instructions to [create a service account and download a key file](#)

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

for that account.

★ Service accounts are the only authentication option available with the AutoML API.

7. Set the `GOOGLE_APPLICATION_CREDENTIALS` environment variable to the path to the service account key file that you downloaded when you created the service account.

```
export GOOGLE_APPLICATION_CREDENTIALS=key-file
```



8. Set the `PROJECT_ID` environment variable to your [Project ID](#) (https://cloud.google.com/resource-manager/docs/creating-managing-projects#identifying_projects)

```
export PROJECT_ID=your-project-id
```



The AutoML API calls and resource names include your Project ID in them. The `PROJECT_ID` environment variable provides a convenient way to specify the ID.

9. If you are an owner for your project, add your service account to the **AutoML Editor** IAM role, replacing **`service-account-name`** with the name of your new service account. For example, `service-account1@myproject.iam.gserviceaccount.com`.

```
gcloud auth login
gcloud projects add-iam-policy-binding $PROJECT_ID \
  --member="serviceAccount:service-account-name" \
  --role="roles/automl.editor"
```



10. Otherwise (if you are not a project owner), ask a project owner to add both your user ID and your service account to the **AutoML Editor** IAM role.

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