

3. Click Enable All Recommended APIs in the Vertex Al dashboard.

## Get started with Vertex AI

Vertex AI empowers machine learning developers, data scientists, and data engineers to take their projects from ideation to deployment, quickly and costeffectively. Learn more about Vertex AI

ENABLE ALL RECOMMENDED APIS

It might take a few moments for the enabling process to complete. A blue ring circling the bell icon appears in the upper right of the Google Cloud console as the APIs are being enabled.

## Install the Google Cloud CLI

- 1. To activate Google Cloud services and gain access to useful tools like gsutil, which enables transferring files to and from Cloud Storage, install the Google Cloud CLI.
- 2. To initialize the gcloud CLI, run the following command from your command prompt:

gcloud init

3. To update and install beta Google Cloud CLI components, run the following:

gcloud components update gcloud components install beta

## Ask an administrator to set up a Vertex Al project for you

This section describes how an administrator grants the roles needed to use Vertex Al.

1. Determine a meaningful project name and project ID to identify your project. If you are part of an organization or plan to create multiple projects, consider what naming conventions and folder hierarchies are followed, or could be followed, to make project organization

## 2. Required roles:

- a. Access to most Vertex AI capabilities is granted by the Vertex Al User (roles/aiplatform.user) IAM role and should suffice for most Vertex Al users. For full control of Vertex Al resources, you can request the Vertex Al Administrator (roles/aiplatform.admin) role. To explore the differences between these and other Vertex AI roles, see Vertex AI access control with IAM
- b. If you also intend to use Vertex Al Workbench notebooks in Google Cloud, ask your administrator to grant you the  ${\color{red}Notebooks.administrator} \ (\verb"roles/notebooks.admin") \ IAM$ role for the project, as well as the Service Account User (roles/iam.serviceAccountUser) IAM role on either the project or the Compute Engine default service account.
- c. Additionally, to enable the necessary APIs, you either need the Service Usage Admin (roles/serviceusage.serviceUsageAdmin) IAM role or
  - your administrator needs to enable the APIs for you by following the first few steps
- 3. Ask your administrator to enable Vertex AI APIs for you. If you're granted the Service Usage Admin (roles/serviceusage.serviceUsageAdmin) IAM role, then you'll be able to do this on your own by following the Enable Vertex Al

Note: Certain tasks in Vertex AI require that you use additional Google Cloud products besides Vertex Al. For example, in most cases, you must use Cloud Storage and Artifact Registry when you create a custom training pipeline. You might need to perform additional setup tasks to use other Google Cloud products.

APIs section



- Walk through one of the tutorials for using Vertex Al.
- Learn how to use the Vertex AI SDK for Python, which provides another way to interact with Vertex AI.

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