

Enable the Conversational Analytics API

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This page describes the steps for enabling the Conversational Analytics API (accessed through [geminidataanalytics.googleapis.com](https://console.cloud.google.com/apis/library/geminidataanalytics.googleapis.com)) for your Google Cloud project. The Conversational Analytics API is the first capability under the [Data Analytics API with Gemini](#) (<https://console.cloud.google.com/apis/library/geminidataanalytics.googleapis.com>) in the Google Cloud console.

Before you begin

Before you can use the Conversational Analytics API, you must have a Google Cloud project that can access the data that you want to work with. To set up your project, complete the following steps:

1. Identify the data that you want to use with the Conversational Analytics API. You can use data sources like BigQuery tables, Looker Explores, and Looker Studio reports.
2. In the Google Cloud console, on the project selector page, [create a Google Cloud project](#) (/resource-manager/docs/creating-managing-projects) that can access the data that you want to use with the Conversational Analytics API.

★ **Note:** There is no billing for the Conversational Analytics API at this time.

[Go to project selector](https://console.cloud.google.com/projectselector2/home/dashboard) (<https://console.cloud.google.com/projectselector2/home/dashboard>)

Enable the required APIs

To use the Conversational Analytics API, you must enable a set of [required APIs](#) (#required-apis) in your Google Cloud project. If you plan to use the Conversational Analytics API from a Colab Enterprise environment, you must also [enable additional APIs](#) (#apis-for-colab-enterprise).

Required APIs

Note: If you don't have permission to enable the APIs, ask your project administrator to enable the APIs for you from the [APIs & Services dashboard](#) (<https://console.cloud.google.com/apis/dashboard>). Alternatively, your project administrator can grant you the [Service Usage Admin \(roles/serviceusage.serviceUsageAdmin\)](#) (/service-usage/docs/access-control) role in the Google Cloud console, which lets you enable and disable APIs for the current project.

[console](#)cloud (#gcloud)
(#console)

Enable the following APIs in the Google Cloud console for the Google Cloud project that you will use with the Conversational Analytics API.

[Enable the Gemini Data Analytics API](https://console.cloud.google.com/flows/enableapi?apiid=geminidataanalytics.googleapis.com) (<https://console.cloud.google.com/flows/enableapi?apiid=geminidataanalytics.googleapis.com>)

[Enable the Gemini for Google Cloud API](https://console.cloud.google.com/flows/enableapi?apiid=cloudaicompanion.googleapis.com) (<https://console.cloud.google.com/flows/enableapi?apiid=cloudaicompanion.googleapis.com>)

[Enable the BigQuery API](https://console.cloud.google.com/flows/enableapi?apiid=bigquery.googleapis.com) (<https://console.cloud.google.com/flows/enableapi?apiid=bigquery.googleapis.com>)

▶ **Tip:** When you enable an API, you might need to refresh the Google Cloud console page to confirm that it's enabled.

APIs for Colab Enterprise

If you plan to use the Conversational Analytics API from a Colab Enterprise environment, also enable the following APIs:

[Enable the Dataform API](https://console.cloud.google.com/flows/enableapi?apiid=dataform.googleapis.com) (<https://console.cloud.google.com/flows/enableapi?apiid=dataform.googleapis.com>)

[Enable the Compute Engine API](https://console.cloud.google.com/flows/enableapi?apiid=compute.googleapis.com) (<https://console.cloud.google.com/flows/enableapi?apiid=compute.googleapis.com>)

[Enable the Vertex AI API](https://console.cloud.google.com/flows/enableapi?apiid=aiplatform.googleapis.com) (<https://console.cloud.google.com/flows/enableapi?apiid=aiplatform.googleapis.com>)

Tip: When you enable an API, you might need to refresh the Google Cloud console page to confirm that it's enabled.

Grant required roles

To use the Conversational Analytics API, grant the following Identity and Access Management (IAM) roles in the Google Cloud console to the principals (such as users or service accounts) that need to interact with the API:

[Go to Roles](https://console.cloud.google.com/iam-admin/roles) (<https://console.cloud.google.com/iam-admin/roles>)

- [Gemini for Google Cloud User \(roles/cloudaicompanion.user\)](#) (/iam/docs/roles-permissions/cloudaicompanion#cloudaicompanion.user): required to create conversations that are managed by Google Cloud.
- [Looker Instance User \(roles/looker.instanceUser\)](#) (/iam/docs/roles-permissions/looker#looker.instanceUser): required to access data from a Looker (Google Cloud core) instance
- [BigQuery User \(roles/bigquery.user\)](#) (/iam/docs/roles-permissions/bigquery#bigquery.user): required to access data in BigQuery
- [BigQuery Studio User \(roles/bigquery.studioUser\)](#) (/iam/docs/roles-permissions/bigquery#bigquery.studioUser): required if you use BigQuery Studio and data canvas

In addition, permissions for actions like managing agents are controlled by **Gemini Data Analytics** roles, as described in [Grant Conversational Analytics API IAM roles and permissions](#) (/gemini/docs/conversational-analytics-api/access-control).

Additional configuration for VPC Service Controls

If [VPC Service Controls](https://cloud.google.com/security/vpc-service-controls) (https://cloud.google.com/security/vpc-service-controls) is enabled for your organization or for the Google Cloud project that you're using, add the following APIs, which are used by the Conversational Analytics API, to the allowlist:

- From geminidataanalytics.googleapis.com, allow the following API:
 - `projects.locations.chat`
- From aiplatform.googleapis.com (/vertex-ai/docs/reference/rest), allow the following API:
 - `projects.locations.endpoints.generateContent`
(/vertex-ai/docs/reference/rest/v1/projects.locations.endpoints/generateContent)
- From datacatalog.googleapis.com (/data-catalog/docs/reference/rest), allow the following APIs:
 - `entries.lookup` (/data-catalog/docs/reference/rest#rest-resource:-v1beta1.entries)
 - `catalog.search` (/data-catalog/docs/reference/rest/v1/catalog/search)
- From bigquery.googleapis.com (/bigquery/docs/reference/rest), allow the following APIs:
 - `jobs.query` (/bigquery/docs/reference/rest/v2/jobs/query)
 - `jobs.insert` (/bigquery/docs/reference/rest/v2/jobs/insert)
 - `jobs.getQueryResults` (/bigquery/docs/reference/rest/v2/jobs/getQueryResults)

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