
[MySQL](#) (/sql/docs/mysql/import-export/importing) | **PostgreSQL** | [SQL Server](#) (/sql/docs/sqlserver/import-export/importing)

This page describes how to import data into Cloud SQL. For best practices for importing data, see [Best Practices for Importing and Exporting Data](#) (/sql/docs/postgres/import-export/).

To import data from Cloud Storage, the instance's service account needs to have the **Bucket Reader ACL** permission set in the project. For more information see [Cloud Identity and Access Management for Cloud Storage](#) (/storage/docs/access-control/iam/).

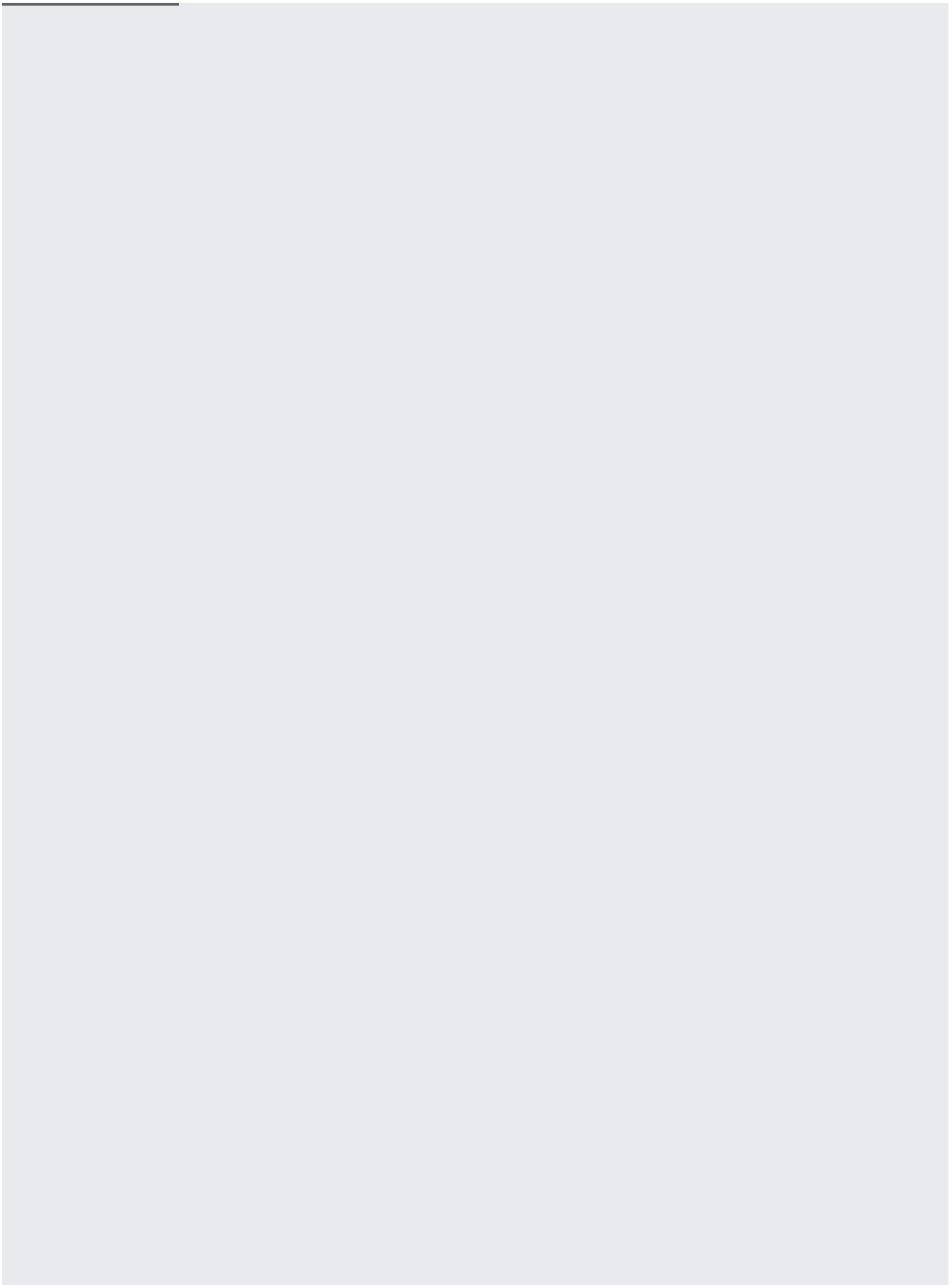
- SQL dump files must have been created with the correct parameters.

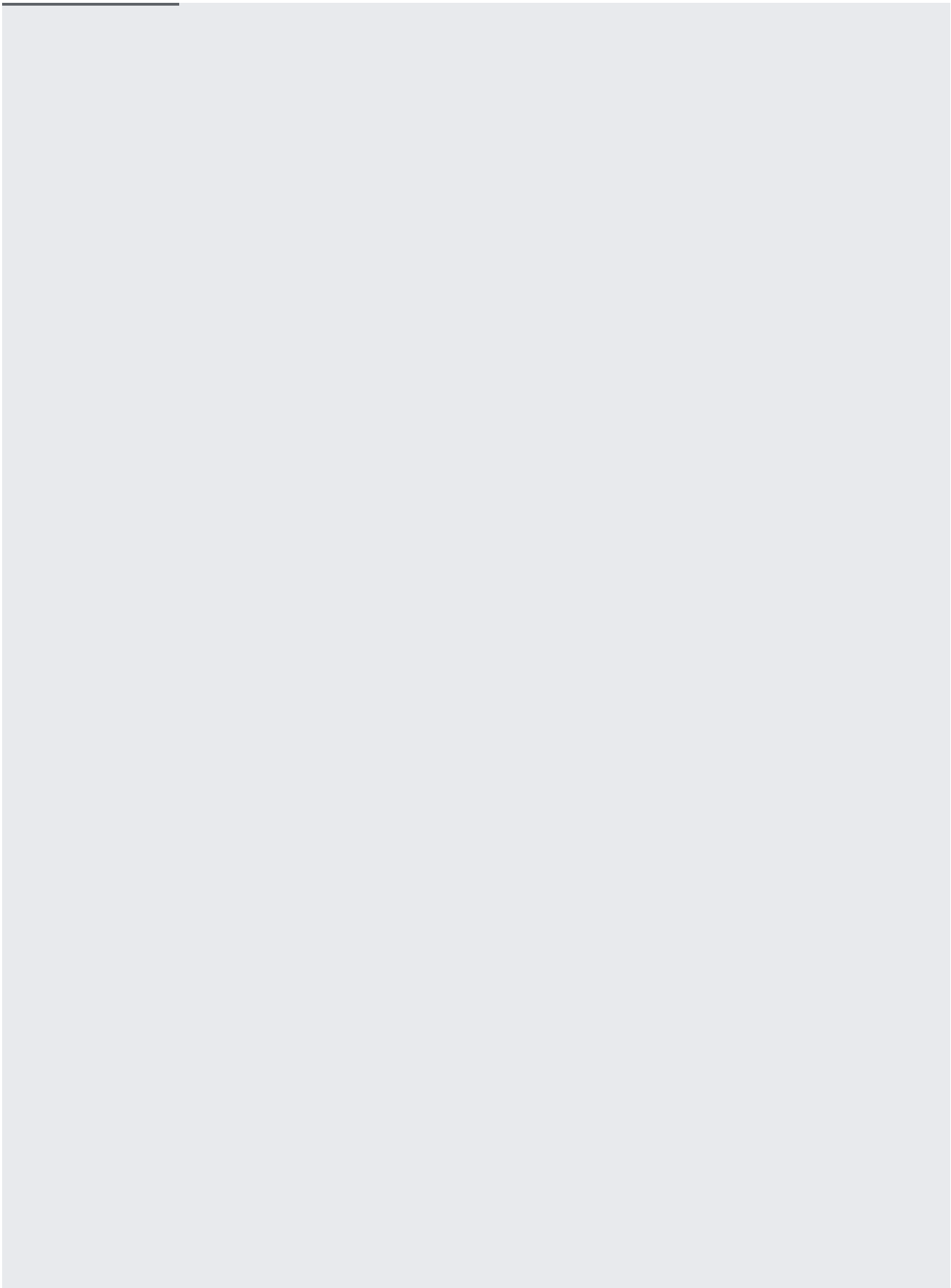
For help with creating SQL dump files ready for import into Cloud SQL, see [Exporting Data](#) (/sql/docs/postgres/import-export/exporting).

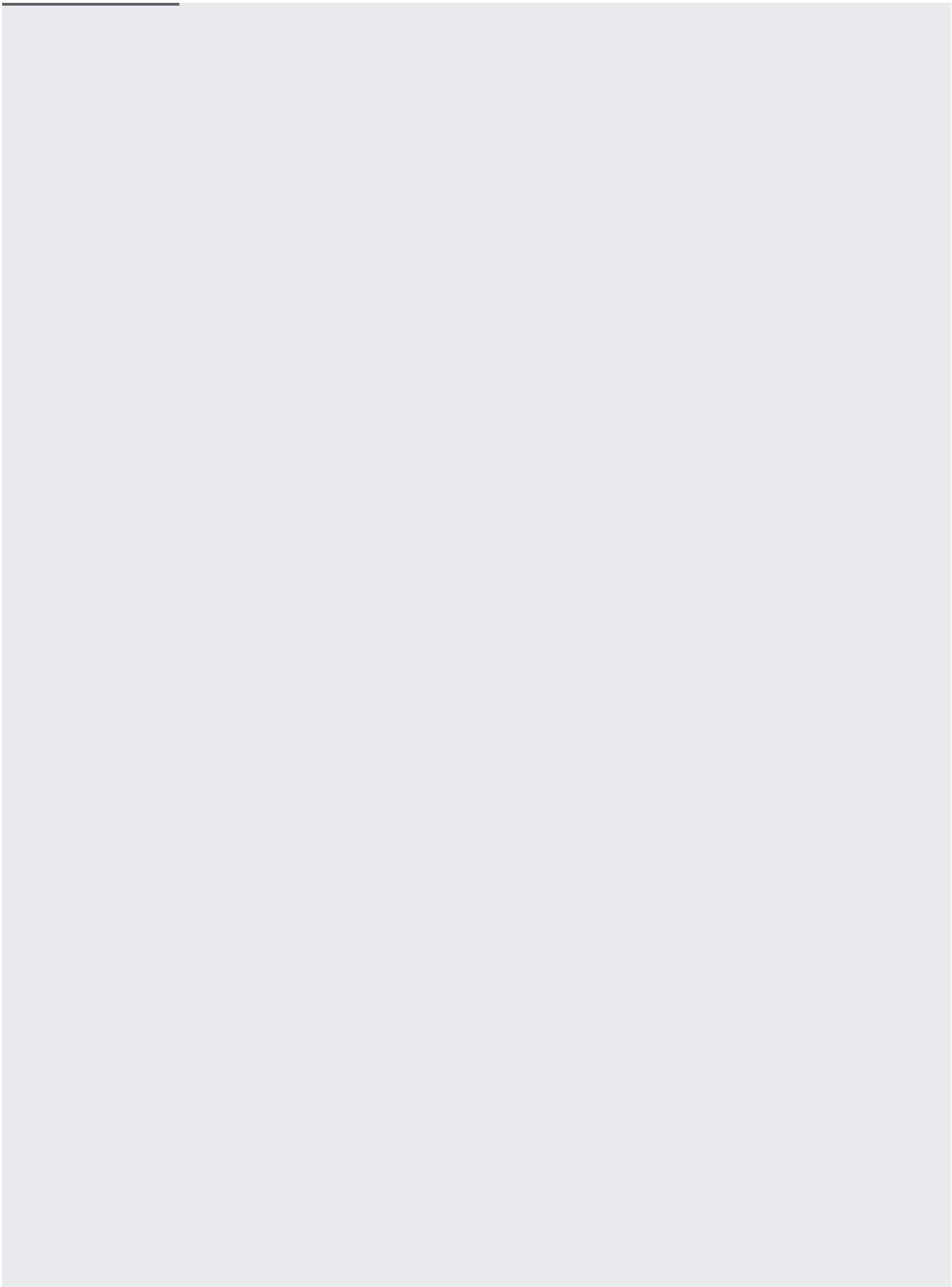
- The database you are importing into must already exist on your Cloud SQL instance and it must be empty. You can't overwrite existing data.

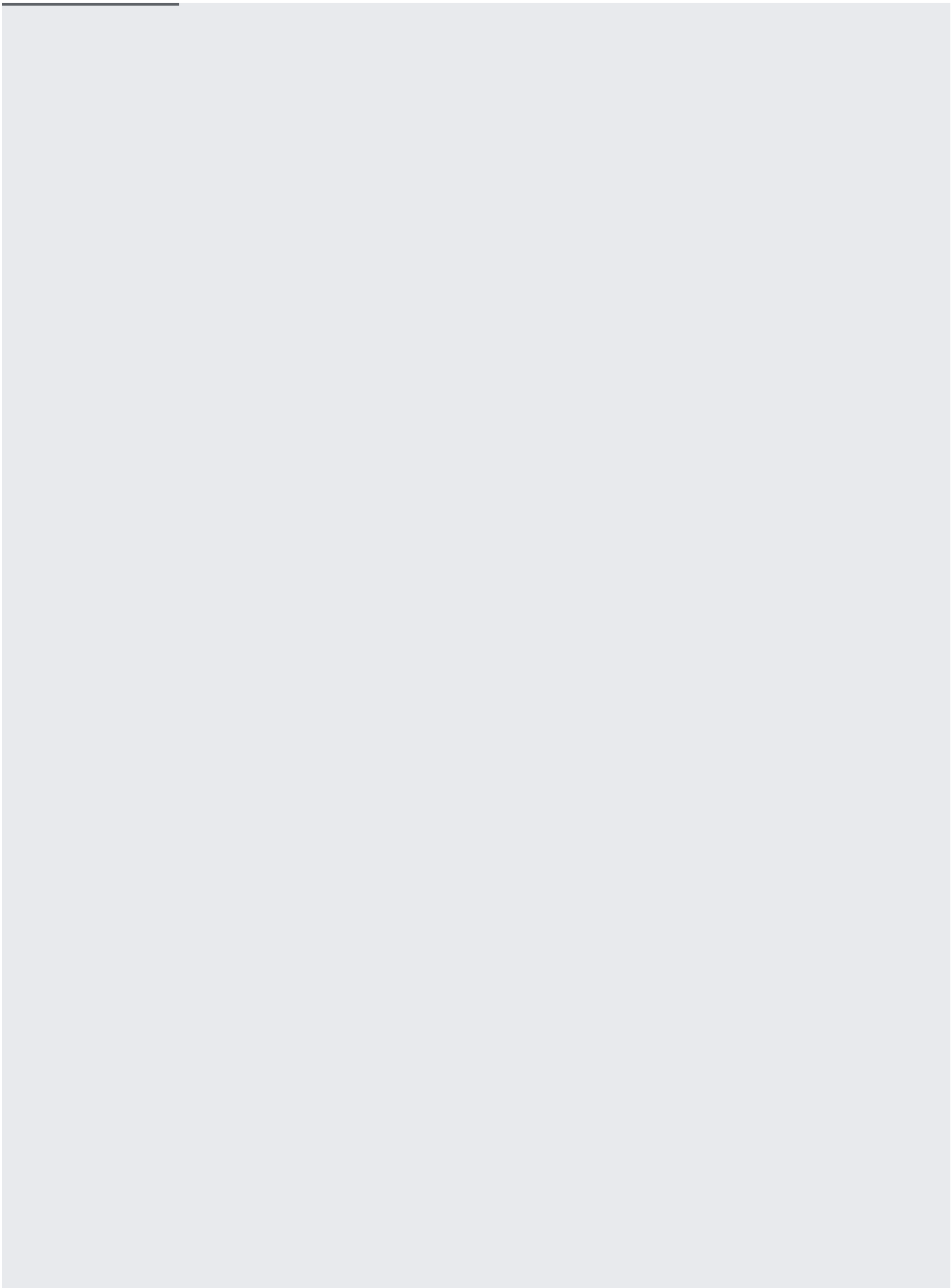
For help with creating a database, see [Creating a database](#) (/sql/docs/postgres/create-manage-databases#create).

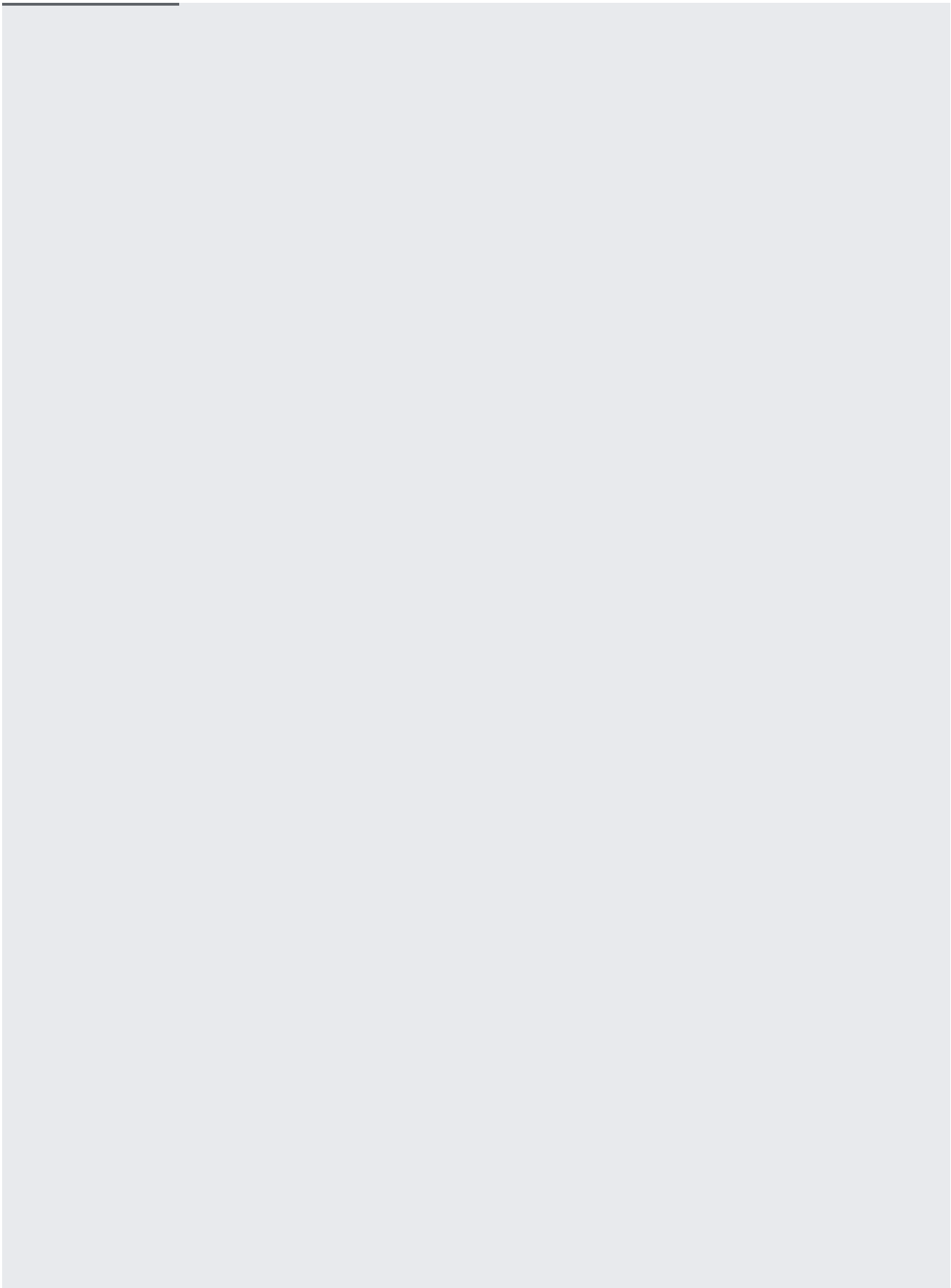
To import a SQL dump file to a Cloud SQL instance:











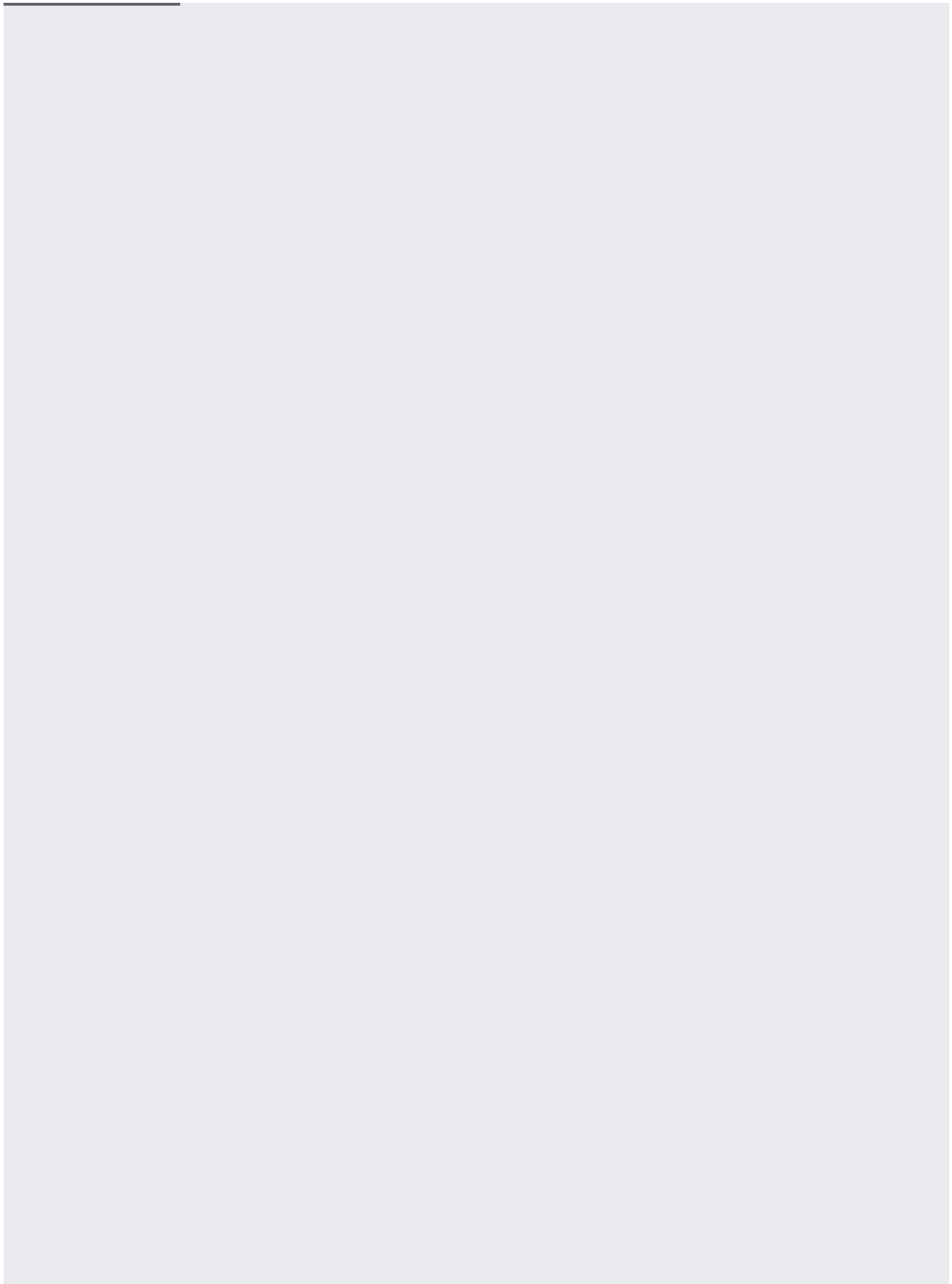
- The database and table you are importing into must already exist on your Cloud SQL instance. For help with creating a database, see [Creating a database \(/sql/docs/postgres/create-manage-databases#create\)](/sql/docs/postgres/create-manage-databases#create). To create a table, use the [CREATE TABLE \(https://www.postgresql.org/docs/9.6/static/sql-createtable.html\)](https://www.postgresql.org/docs/9.6/static/sql-createtable.html) SQL statement in the `psql` client.
- Your CSV file must conform to the [CSV file format requirements \(#csv-reqs\)](#) below.

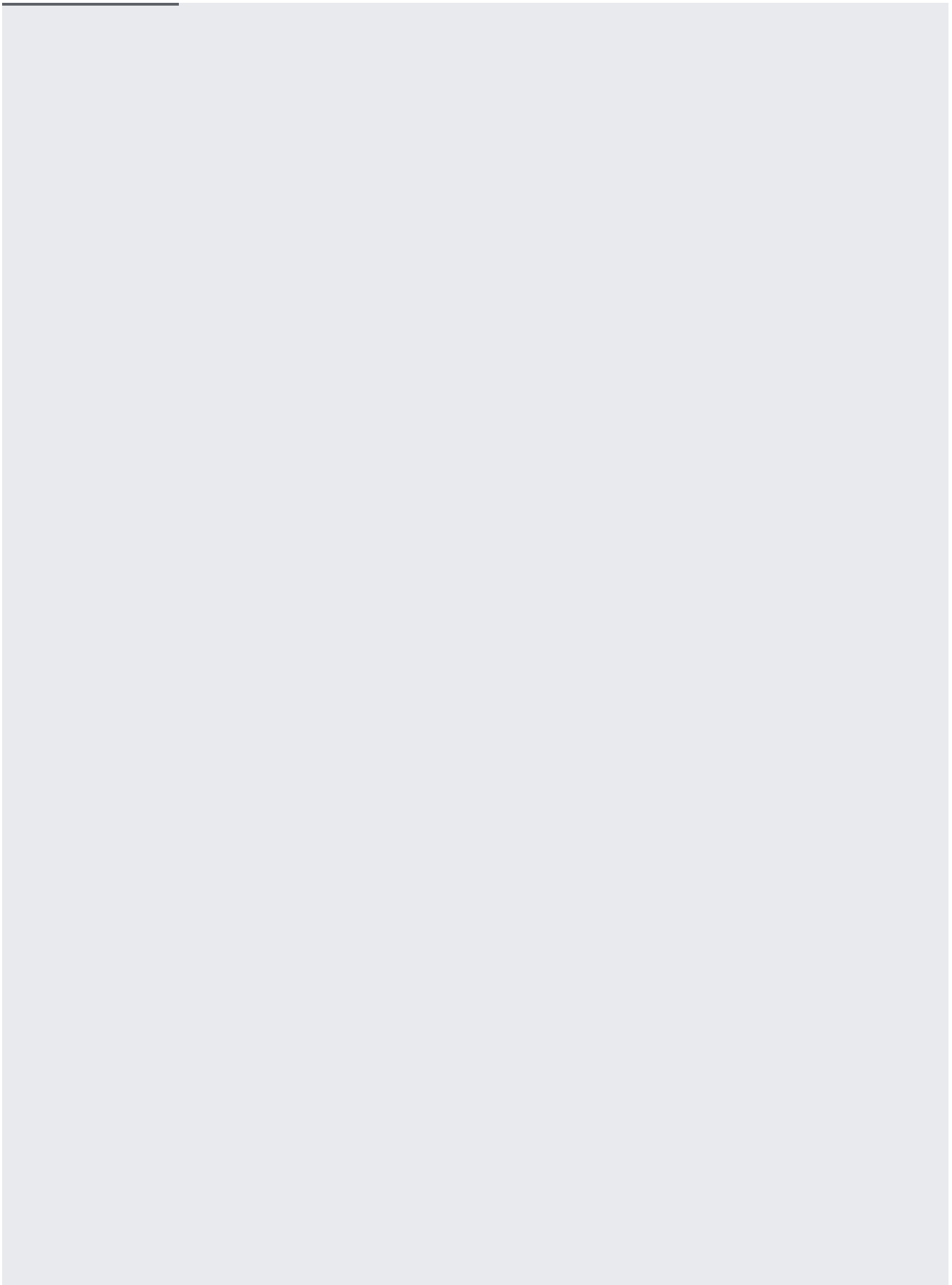
(#)

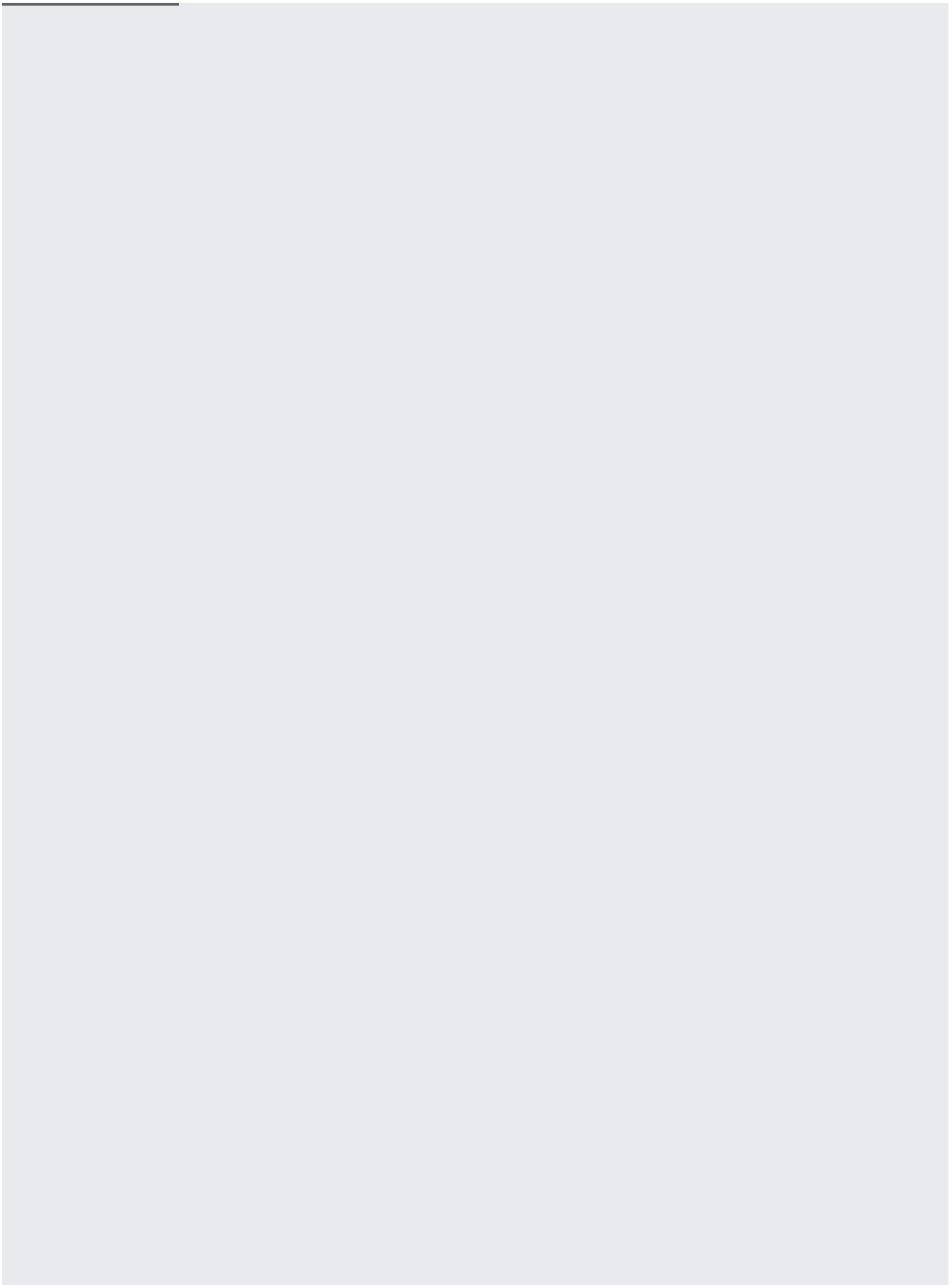
CSV files must have one line for each row of data and have comma-separated fields.

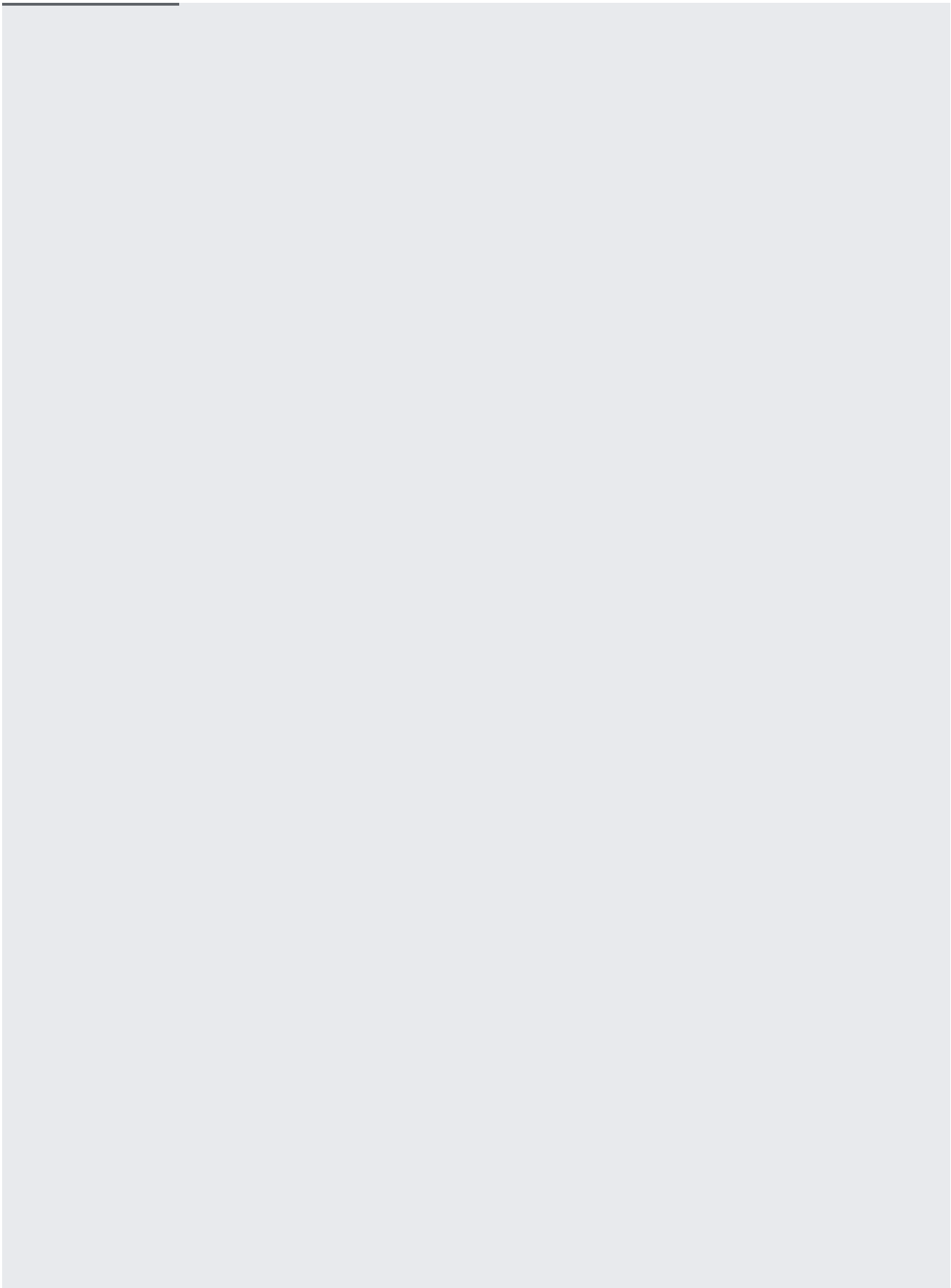
To see instructions for exporting to a CSV file formatted for Cloud SQL, see [Exporting data to a CSV file \(/sql/docs/postgres/import-export/exporting#csv\)](#).

To import data to a Cloud SQL instance using a CSV file:









If you get an error such as `ERROR_RDBMS`, ensure the table exists. If the table exists, confirm that you have the correct permissions on the bucket. For more information about configuring access control in Cloud Storage, see [Create and Manage Access Control Lists](/storage/docs/access-control/create-manage-lists) (`/storage/docs/access-control/create-manage-lists`).

To see how the [underlying REST API request](/sql/docs/postgres/admin-api/rest/v1beta4/instances/import) (`/sql/docs/postgres/admin-api/rest/v1beta4/instances/import`) is constructed for this task, see the [APIs Explorer on the instances:import page](/sql/docs/postgres/admin-api/rest/v1beta4/instances/import) (`/sql/docs/postgres/admin-api/rest/v1beta4/instances/import`).

- Learn how to [check the status of import and export operations](/sql/docs/postgres/import-export/checking-status-import-export) (`/sql/docs/postgres/import-export/checking-status-import-export`).
- Learn more about [importing and exporting data](/sql/docs/postgres/import-export/) (`/sql/docs/postgres/import-export/`).
- Learn more about [Cloud Storage](/storage/docs/) (`/storage/docs/`).

