

[MySQL](#) (/sql/docs/mysql/quickstart) | **PostgreSQL** | [SQL Server](#) (/sql/docs/sqlserver/quickstart)

This

page shows you how to create and connect to a PostgreSQL instance and perform basic SQL operations using the Google Cloud Console and a client.

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 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.

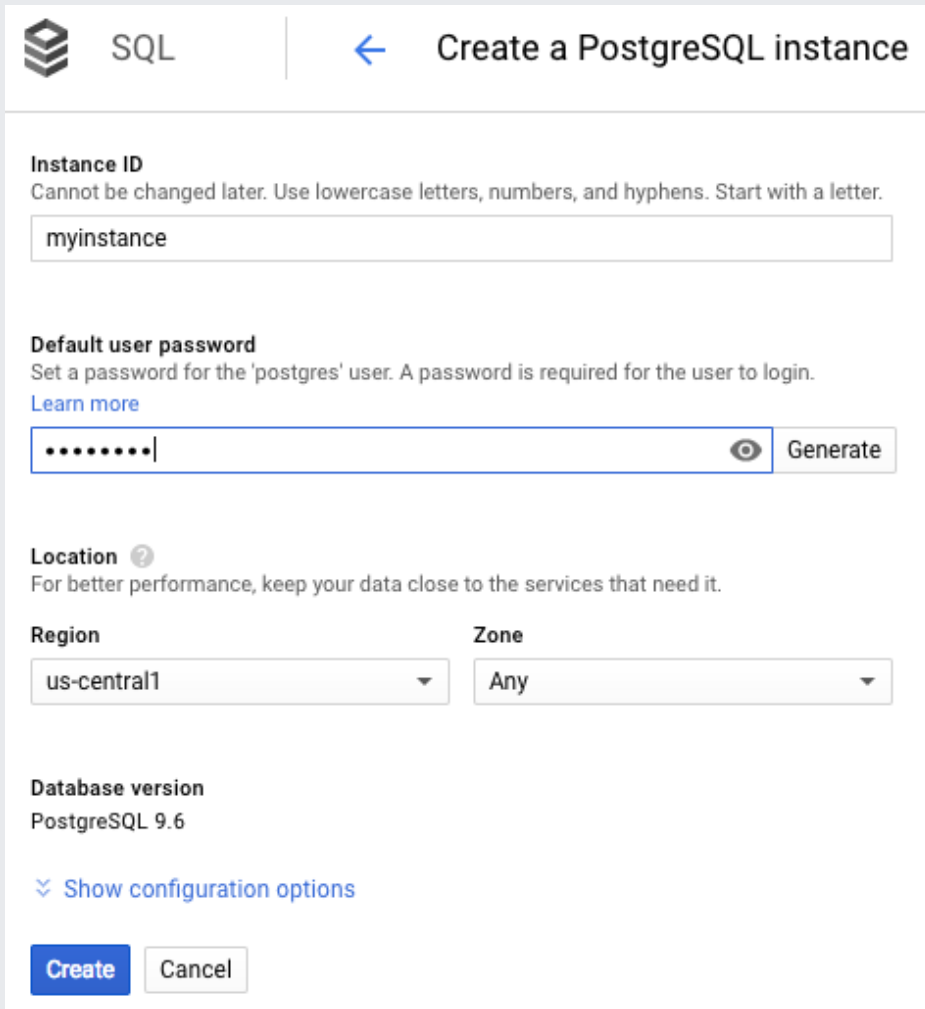
[Go to the project selector page](https://console.cloud.google.com/projectselector2/home/dashboard) (https://console.cloud.google.com/projectselector2/home/dashboard)

3. Make sure that billing is enabled for your Google Cloud project. [Learn how to confirm billing is enabled for your project](#) (/billing/docs/how-to/modify-project).

1. Go to the Cloud SQL Instances page in the Google Cloud Console.

[Go to the Cloud SQL Instances page](https://console.cloud.google.com/sql/instances?project=_) (https://console.cloud.google.com/sql/instances?project=\_)

2. Select your project and click **Continue**.
3. Click **Create Instance**.
4. Click **PostgreSQL**.
5. Enter `myinstance` for **Instance ID**.




The screenshot shows the 'Create a PostgreSQL instance' form in the Google Cloud SQL console. The form is titled 'SQL' and 'Create a PostgreSQL instance'. It contains the following fields and options:

- Instance ID:** A text input field containing 'myinstance'. Below it, a note states: 'Cannot be changed later. Use lowercase letters, numbers, and hyphens. Start with a letter.'
- Default user password:** A text input field containing seven dots. To its right is a 'Generate' button. Below it, a note states: 'Set a password for the 'postgres' user. A password is required for the user to login.' There is also a 'Learn more' link.
- Location:** A section with a help icon and the text: 'For better performance, keep your data close to the services that need it.' It contains two dropdown menus: 'Region' (set to 'us-central1') and 'Zone' (set to 'Any').
- Database version:** A section showing 'PostgreSQL 9.6'.
- Show configuration options:** A link with a downward arrow icon.
- Create and Cancel buttons:** A blue 'Create' button and a grey 'Cancel' button.

6. Enter a password for the postgres user.
7. Use the default values for the other fields.
8. Click **Create**.

You are returned to the instances list; you can click into the new instance right away to see the details, but it won't be available until it initializes and starts.

1. In the [Google Cloud Console](https://console.cloud.google.com/) (<https://console.cloud.google.com/>), click the Cloud Shell icon (  ) in the upper right corner.

When Cloud Shell finishes initializing, you should see:

2. At the Cloud Shell prompt, connect to your Cloud SQL instance:

3. Enter your postgres password.

You should see the psql prompt.

1. Insert sample data into the postgres database:

2. Retrieve the data:

You should see:

To avoid incurring charges to your Google Cloud account for the resources used in this quickstart, follow these steps.

1. Go to the Cloud SQL Instances page in the Google Cloud Console.

[Go to the Cloud SQL Instances page](https://console.cloud.google.com/sql/instances?project=_) (https://console.cloud.google.com/sql/instances?project=\_)

2. Select the `myinstance` instance to open the **Instance details** page.
3. In the icon bar at the top of the page, click **Delete**.
4. In the **Delete instance** window, type `myinstance`, then click **Delete** to delete the instance.

You cannot reuse an instance name for about 7 days after an instance is deleted.

Based on your needs, you can learn more about [creating Cloud SQL instances](/sql/docs/postgres/create-instance) (/sql/docs/postgres/create-instance).

You also can learn about creating [PostgreSQL users](/sql/docs/postgres/create-manage-users) (/sql/docs/postgres/create-manage-users) and [databases](/sql/docs/postgres/create-manage-databases) (/sql/docs/postgres/create-manage-databases) for your Cloud SQL instance.

Also see the [Cloud SQL pricing information](/sql/docs/postgres/pricing) (/sql/docs/postgres/pricing).

Additionally, you can learn about connecting to a Cloud SQL instance:

- [From an application running on App Engine](/sql/docs/postgres/connect-app-engine) (/sql/docs/postgres/connect-app-engine)
- [From an application running on Compute Engine](/sql/docs/postgres/connect-compute-engine) (/sql/docs/postgres/connect-compute-engine)
- [From an application running on GKE](/sql/docs/postgres/connect-kubernetes-engine) (/sql/docs/postgres/connect-kubernetes-engine)
- [From an external application](/sql/docs/postgres/connect-external-app) (/sql/docs/postgres/connect-external-app)

- [From Cloud Functions \(/sql/docs/postgres/connect-functions\)](/sql/docs/postgres/connect-functions)