



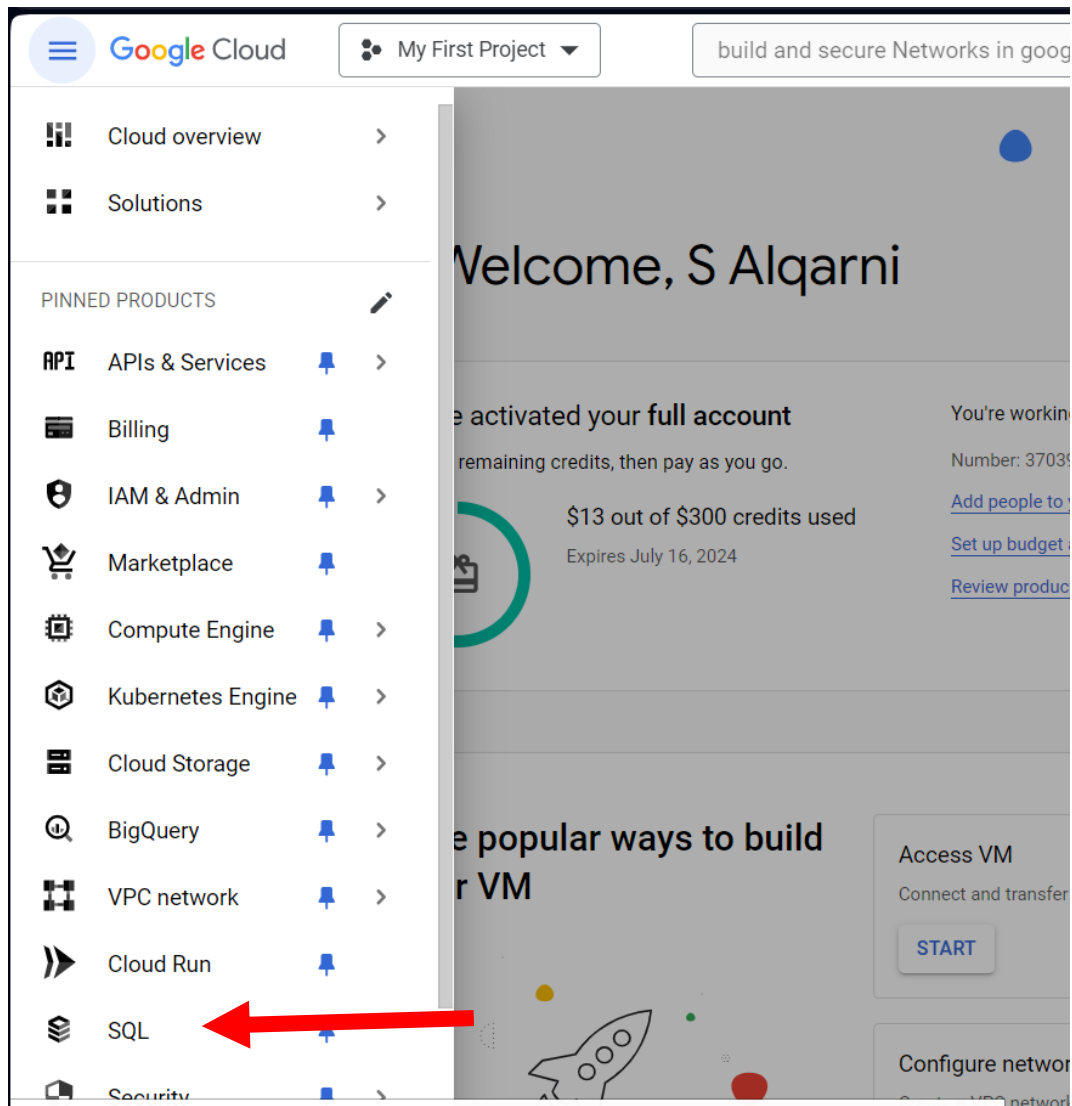
Google Cloud platform project

**How to use Google Cloud SQL with Google
Cumpute engine**

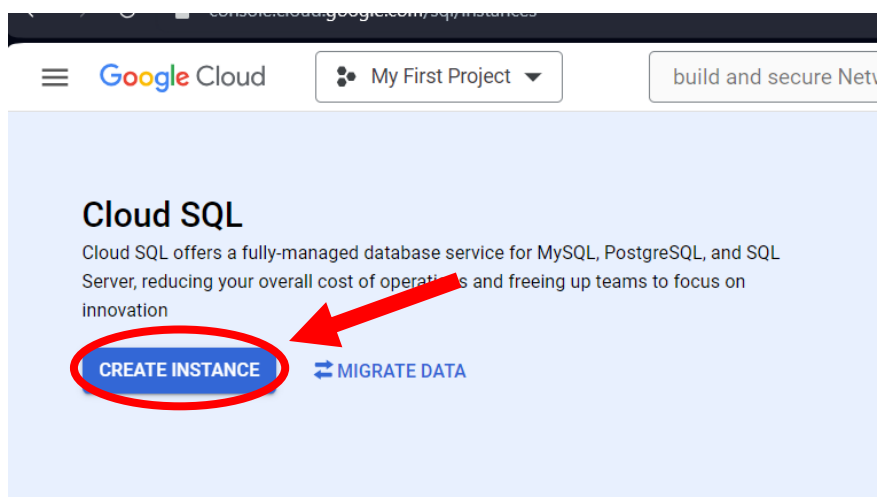
By: Sadeem Khalid Alqarni

1. Create Database

a. Go to SQL section



b. Click on



c. Give your instance name and click on no password

← Create a MySQL instance

Instance info

Instance ID *

my-sql-instance

Use lowercase letters, numbers, and hyphens. Start with a letter.

Password



GENERATE

Set a password for the root user. [Learn more](#)

☒ No password



Without a root password, this instance will allow anyone to connect with full administrative privileges. Set a root password to ensure only authorized users have these privileges.

d. Give it a Region.

Choose region and zonal availability

For better performance, keep your data close to the services that need it. Region is permanent, while zone can be changed any time.

Region

me-central1 (Doha)

e. Click on **SHOW CONFIGURATION OPTIONS**

[Learn more](#)

Customize your instance

You can also customize instance configurations later

✓ **SHOW CONFIGURATION OPTIONS**

f. Click on Storage and choose a Storage Capacity

Storage

Storage type

Choice is permanent. Storage type affects performance.

- ☒ SSD (Recommended)
Most popular choice. Lower latency than HDD with higher QPS and data throughput.
- ☐ HDD
Lower performance than SSD with lower storage rates.

Storage capacity

10 - 65,536 GB. Higher capacity improves performance, up to the limits set by the machine type. Capacity can't be decreased later.

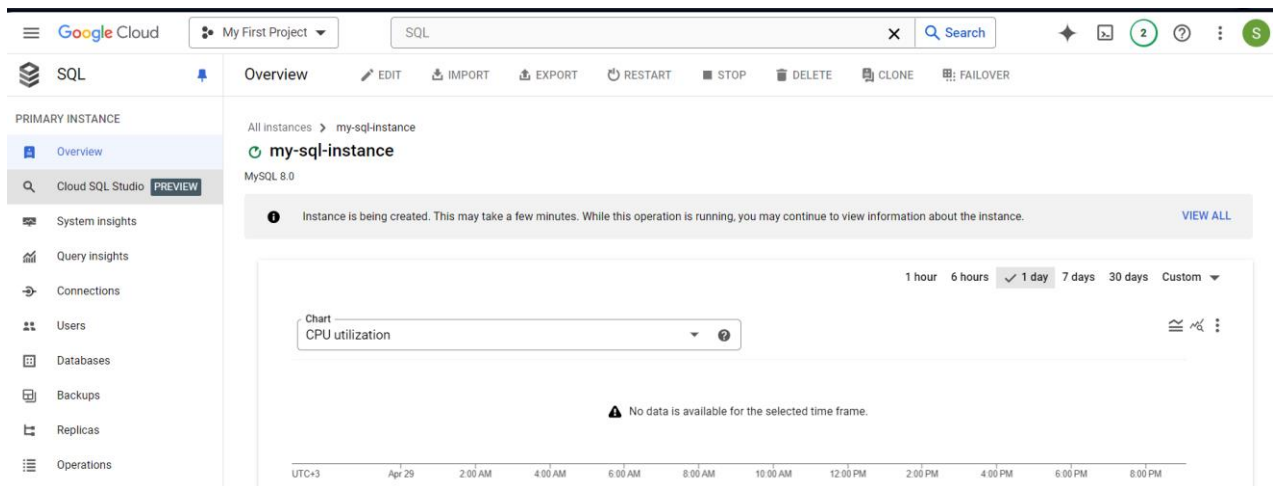
- ☐ 10 GB
- ☐ 20 GB
- ☐ 100 GB
- ☒ 250 GB
- ☐ Custom

g. Click on CREATE INSTANCE

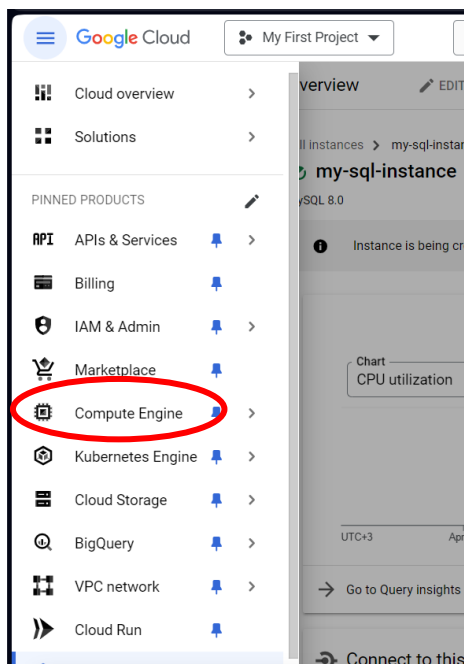
[^ HIDE CONFIGURATION](#)

CREATE INSTANCE

Now your instance is created!



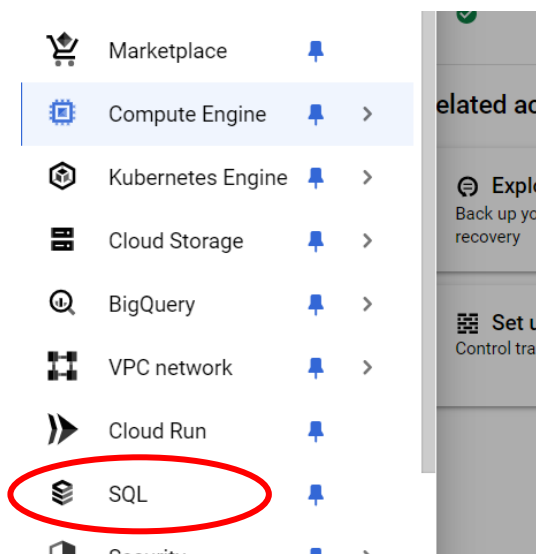
2. Now go to Compute Engine section




a. Copy the External IP of your instance

| VM instances | | | | | | | |
|---|----------------------------|---------------|--|-----------|-------------------------------------|--|------------------------|
| Filter Enter property name or value | | | | | | | |
| <input type="checkbox"/> Status | Name ↑ | Zone | Recommendations | In use by | Internal IP | External IP | Connect |
| <input type="checkbox"/> ✓ | Instance-4 | us-central1-a | 💡 Save \$12 / mo 💡 Save \$24 / mo | | 10.128.0.5 (nic0) | 34.171.135.21 (nic0) | SSH ⌵ |
| Related actions | | | | | | | ^ HIDE |

3. Go back to the SQL section





a. Click on your instance




SQL




Instances

 CREATE INSTANCE

 MIGRATE DATA

 Filter

Enter property name or value

| <input type="checkbox"/> | Instance ID  | Issues | Cloud SQL edition | Type | Public IP address | Private IP address | Instance connection name | High availability |
|--------------------------|---|--------|-------------------|-----------|-------------------|--------------------|--------------------------|---|
| <input type="checkbox"/> |  my-sql-instance | | Enterprise Plus | MySQL 8.0 | 34.18.74.145 | | manifest-bit-420513:... |  ENABLED |

b. click on **connections**

SQL

Overview

PRIMARY INSTANCE

Overview

Cloud SQL Studio **PREVIEW**

System insights

Query insights

Connections

Users

Databases

Backups

Replicas

Operations

All instances

MySQL 8.0

c. click on **NETWORKING**

PRIMARY INSTANCE

Overview

Cloud SQL Studio **PREVIEW**

System insights

Query insights

Connections

Users

Databases

Backups

All instances > my-sql-instance

my-sql-instance

MySQL 8.0

SUMMARY

NETWORKING

SECURITY

CONNECTIVITY TESTS

Networking

| | |
|---------------------------|---|
| Connection name | manifest-bit-420513:me-central1:my-sql-instance |
| Private IP connectivity ? | Disabled |
| Public IP connectivity ? | Enabled |
| Public IP address | 34.18.74.145 |

- d. click on **ADD A NETWORK**

i You have not authorized any external networks to connect to your Cloud SQL instance. External applications can still connect to the instance through the Cloud SQL Proxy. [Learn more](#)

ADD A NETWORK

Google Cloud services authorization
☐ Enable private path
Allows other Google Cloud services like BigQuery to access data and make queries over Private IP. [Learn more](#)

- e. give it a name, paste the External IP and click **DONE**

New network

Name

Compute Engine Instance

Use [CIDR notation](#)

Network *

34.171.135.21

Example: 199.27.25.0/24

DONE

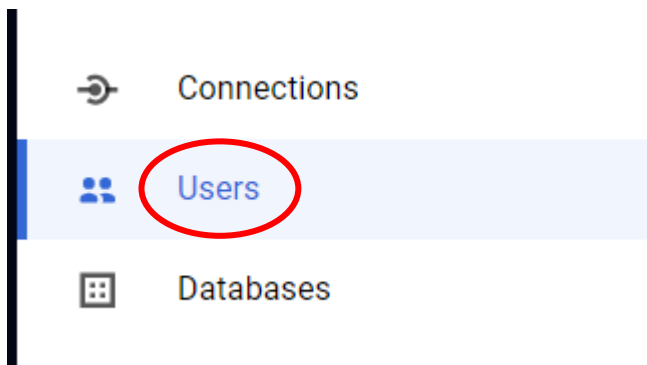
- f. click **Save**

App Engine authorization

All apps in this project are authorized by default. You can use [Cloud IAM](#) to authorize apps in other projects. [Learn more](#)

SAVE **DISCARD CHANGES**

4. go to **Users**





a. click on this icon

✓ my-sql-instance

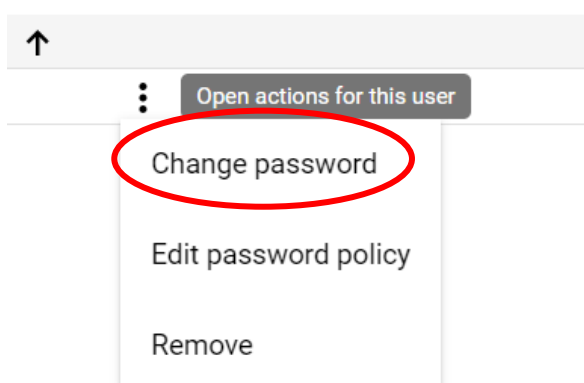
MySQL 8.0

User accounts enable users and applications to connect to your instance. [Learn more](#)

[+ ADD USER ACCOUNT](#)

| | User name | Host name | Authentication | Password status | ↑ |
|---|-----------|--------------|----------------|-----------------|---|
|  | root | % (any host) | Built-in | N/A |  |

b. click on **Change password**



c. Change the root password and click **OK**

sql instance


its enable users and a


USER ACCOUNT

| User name |
|-----------|
| root |

Change password for user root

i Remember to update your application to use your new password.
Note, existing connections to your instance will not be terminated.

 [GENERATE](#)

☐ **Retain current password**
If enabled, the current password for this user account will be retained as the user's secondary password until you discard it or change the password again. [Learn more](#) 

[CLOSE](#) [OK](#)