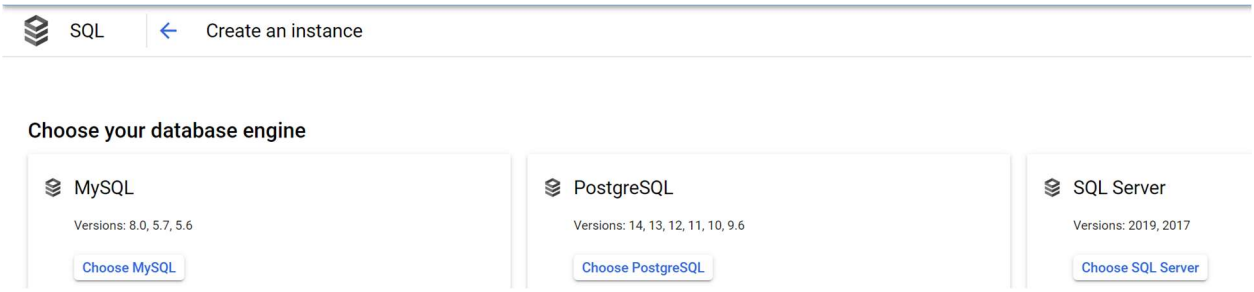
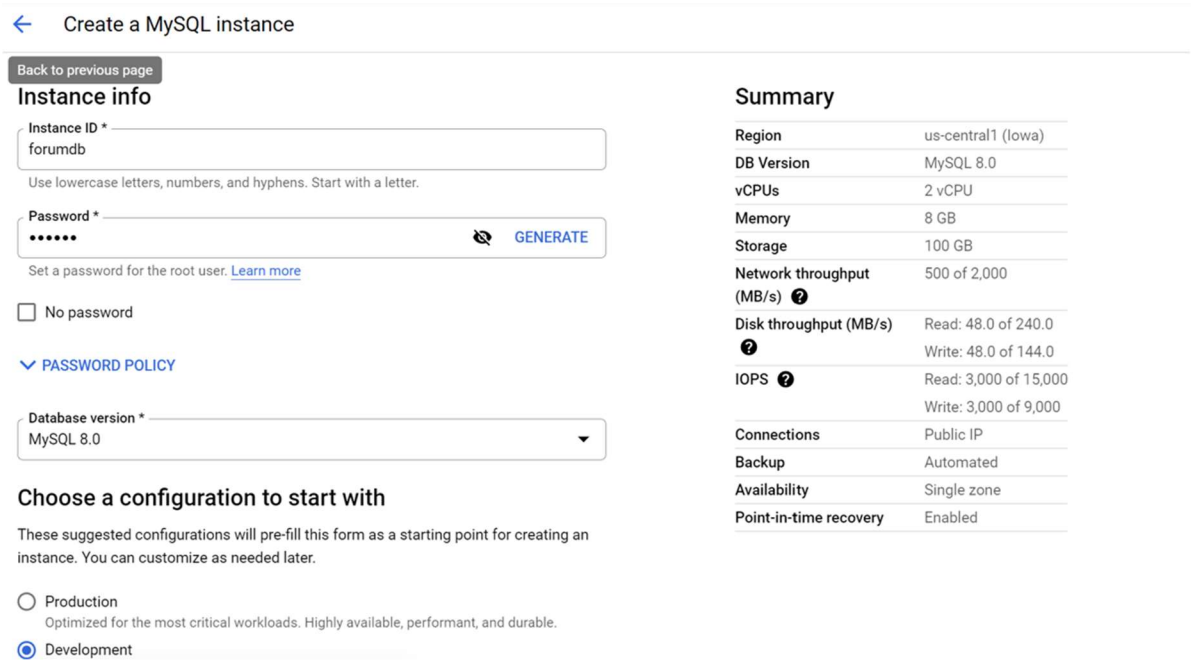
Create a Google Cloud SQL Instance

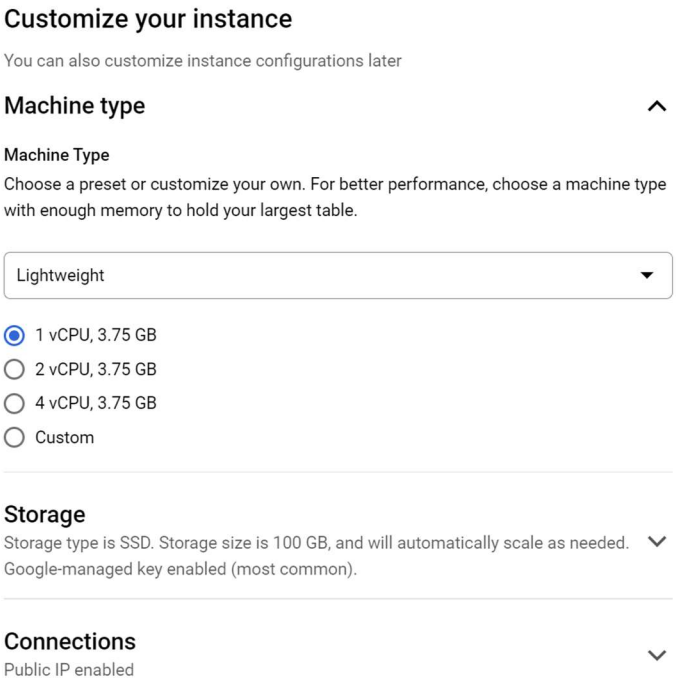
Google Cloud SQL offers a managed database service that supports PostgreSQL, MySQL, and SQL Server.

We will configure a Cloud SQL instance, create a database in it and load the table with the data we have stored in the Google Cloud Storage.

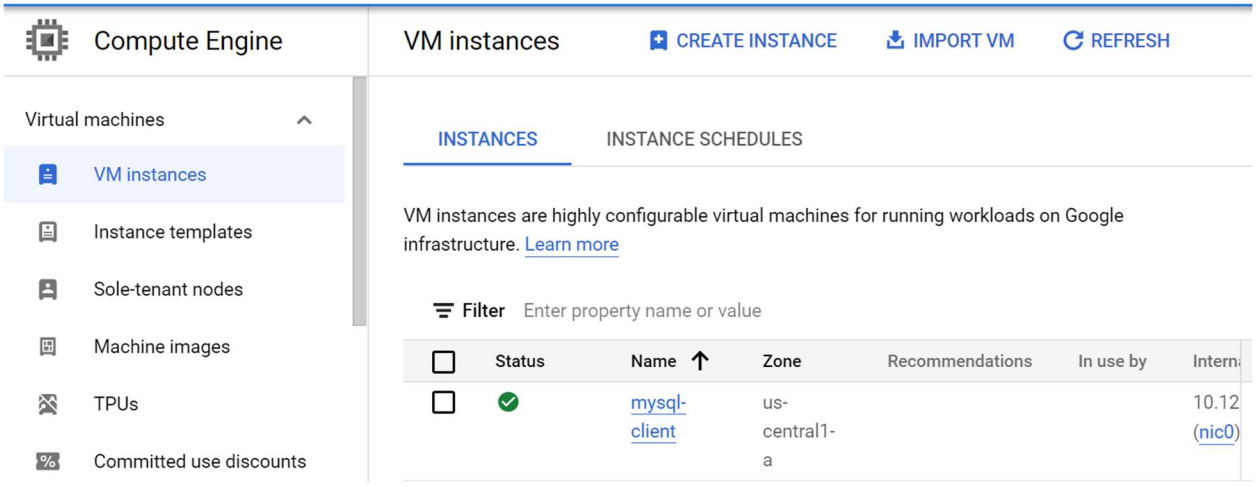
Create Instance and select MySql



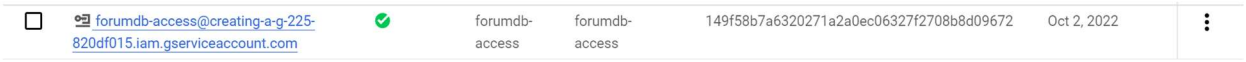




Next creating the VM instance:



Create the service account key to connect the cloud sql instance from SSH in the compute instance.



We will upload the json key in the vm account and configure the mysql client and Cloud SQL Proxy.

VM Instance → SSH → upload the json key

Setting up the connection between Cloud SQL instance and VM instance with:

./cloud_sql_proxy -instances=<Cloud SQL Instance connection name> =tcp:3306 -credential_file=./<the json key file>.json &

Next configure the MySQL client and Cloud SQL Proxy:

- Update packages on the VM with ***sudo apt-get -y update***
- Install the mysql client with ***sudo apt-get -y install default-mysql-client***
- Download the Cloud SQL Proxy from Google: ***curl -o cloud_sql_proxy https://dl.google.com/cloudsql/cloud_sql_proxy.linux.amd64***
- Make the file executable: ***chmod +x ./cloud_sql_proxy***

From APIs and Services, enable Google Cloud SQL Admin API

Connect to the Cloud SQL instance from ssh window with *mysql -u root -p --host 127.0.0.1*

Create a database called insurancedb from within the mysql client:

CREATE DATABASE insurancedb;

USE insurancedb;

Create table Persons as shown below:

```
MySQL [insurancedb]> CREATE TABLE Persons (
    ->     PersonID int,
    ->     LastName varchar(255),
    ->     FirstName varchar(255),
    ->     Address varchar(255),
    ->     City varchar(255)
    -> );
Query OK, 0 rows affected (0.040 sec)

MySQL [insurancedb]> show tables;
+----------------------+
| Tables_in_insurancedb |
+----------------------+
| Persons              |
+----------------------+
```

Insert data into tables with:

INSERT INTO Persons (PersonID, LastName, FirstName, Address,City)

VALUES (100, 'Skagen 21', 'Stavanger', '207 street', 'New York');