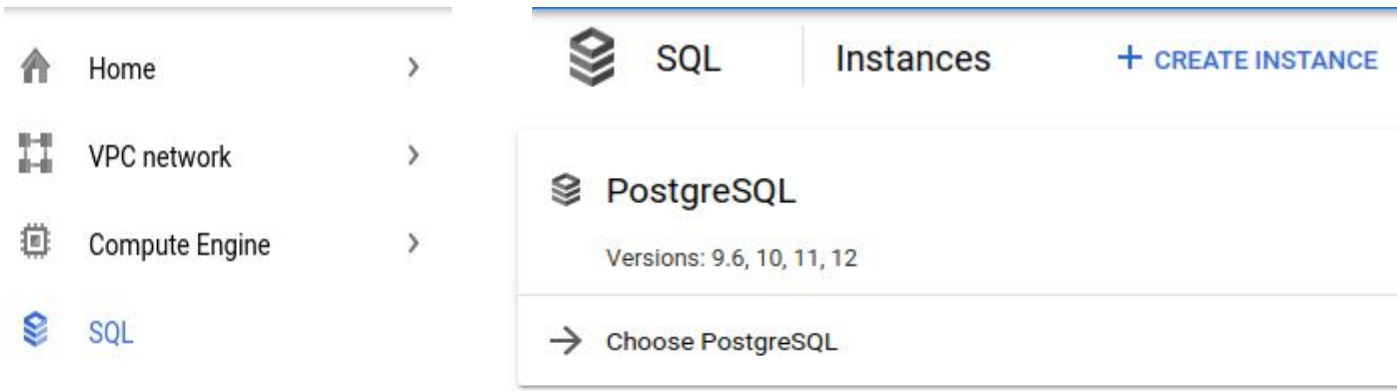


# Importing products on a managed Postgres instance

## Create Managed Postgres Instance


### 1) Create Managed SQL Instance

A screenshot of the 'Create a PostgreSQL instance' form in the Google Cloud console. The form is titled 'Create a PostgreSQL instance' and is divided into several sections. The 'Instance info' section includes an 'Instance ID' field with the value 'managed-pg' and a 'Default user password' field with the value 'postgres'. The 'Location' section shows 'Region' as 'europe-west1 (Belgium)' and 'Zone' as 'europe-west1-b'. The 'Database version' is set to 'PostgreSQL 11'. The 'Configuration options' section is expanded, showing '1 Connectivity' with 'Private IP' selected and 'Associated networking' set to 'bds-vpc'. Other options like 'Machine type and storage', 'Backups, recovery, and high availability', 'Flags', 'Maintenance', and 'Labels' are also visible. At the bottom, there are 'Create' and 'Cancel' buttons.

The instance will be based on the same region and zone as our other machines

For connectivity, I have chosen only Private IP and attached the instances to the **bds-vps** network, where our other machines are connected.

### 3) Running managed Postgres instances

| Filter tree  |               |                   |                    |   |                   |                |                                      |  |  |
|--|---------------|-------------------|--------------------|---|-------------------|----------------|--------------------------------------|--|--|
| <input type="checkbox"/> Instance ID  ↑ | Type          | Public IP address | Private IP address | Instance connection name                            | High availability | Location       | Storage used                         | Labels  |  |
| <input checked="" type="checkbox"/> managed-postgres   | PostgreSQL 11 |                   | 10.9.64.3          | electric-glyph-273720-europe-west1.managed-postgres | ADD               | europe-west1-b | <div><div></div></div> 6 GB of 15 GB |  |  |

## Importing products

### Setup connectivity do managed Postgres instance

forward `managed-pg` host to the internal IP the managed-pg is assigned to `bds-vps` that all machines use

```
gcloud compute ssh --zone=europe-west1-b bastion-1
sudo su
ssh s01
```

```
vi /etc/hosts
```

```
# append
10.9.64.3 managed-pg
```

### Create products database

Here I am connecting to the managed-postgres and I want to create the new products database to import the products.

```
psql -U postgres -h managed-pg -d postgres
postgres=> CREATE DATABASE products
ctrl + C
```

## Import temp\_products table

Here I am using psql to run the products.sql script directly on the products database

```
root@s01:~# psql -U postgres -h managed-pg -d products -f products.sql
Password for user postgres:
SET
SET
SET
SET
SET
SET
CREATE EXTENSION
SET
SET
SET
CREATE TABLE
ALTER TABLE
COPY 2080734
REVOKE
GRANT
root@s01:~#
```

*## Verify that all items have been copied correctly*

```
root@s01:~# psql -U postgres -h managed-pg -d products
Password for user postgres:
psql (9.5.21, server 11.6)
WARNING: psql major version 9.5, server major version 11.
         Some psql features might not work.
SSL connection (protocol: TLSv1.2, cipher: ECDHE-RSA-AES128-GCM-SHA256, bits:
128, compression: off)
Type "help" for help.

products=> select count(*) from temp_products;
 count
-----
2080734
(1 row)
```