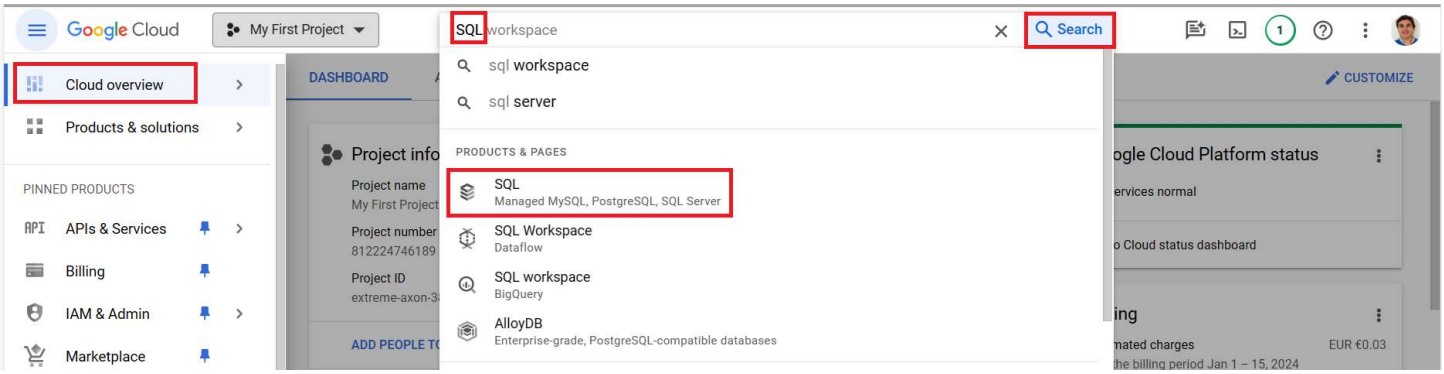
How to create Google Cloud SQL Server instance and connect from SSMS, VSCode and Visual Studio 2022 Community Edition

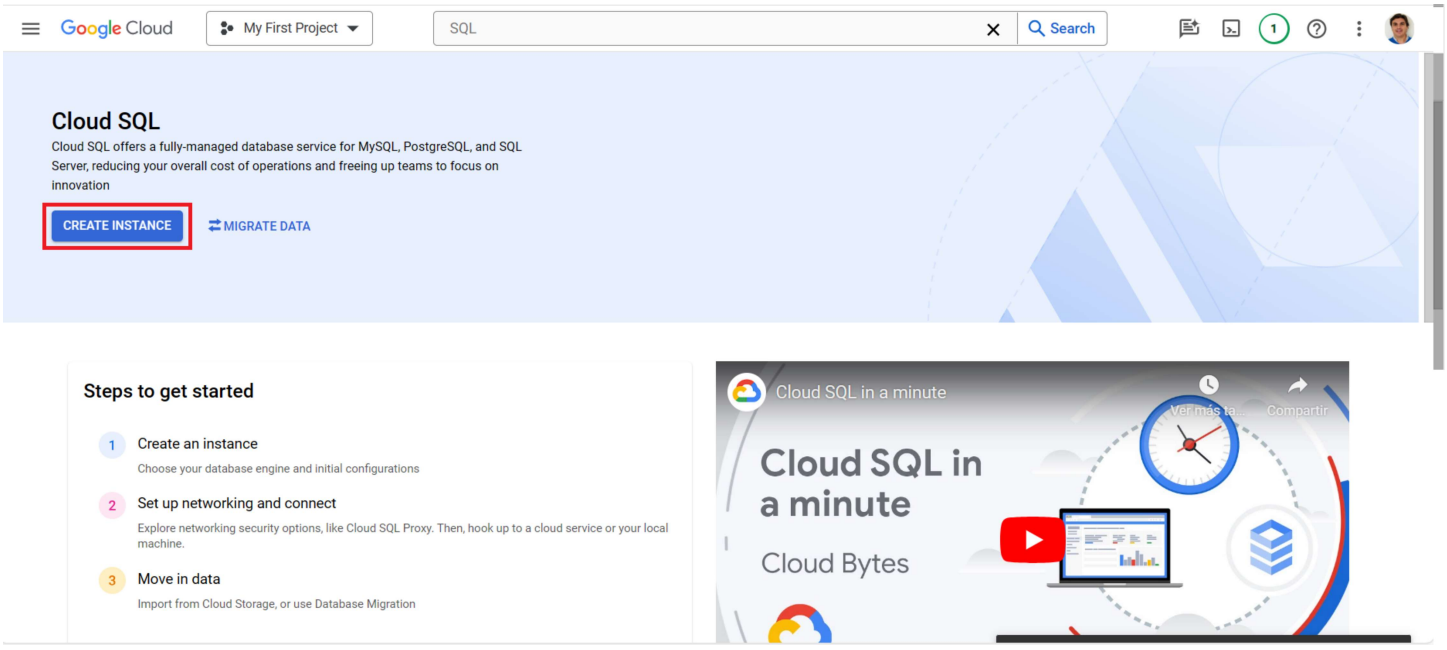
See this video: https://www.youtube.com/watch?v=ELTI7eS1Kdk

1. Create Google Cloud SQL Server instance

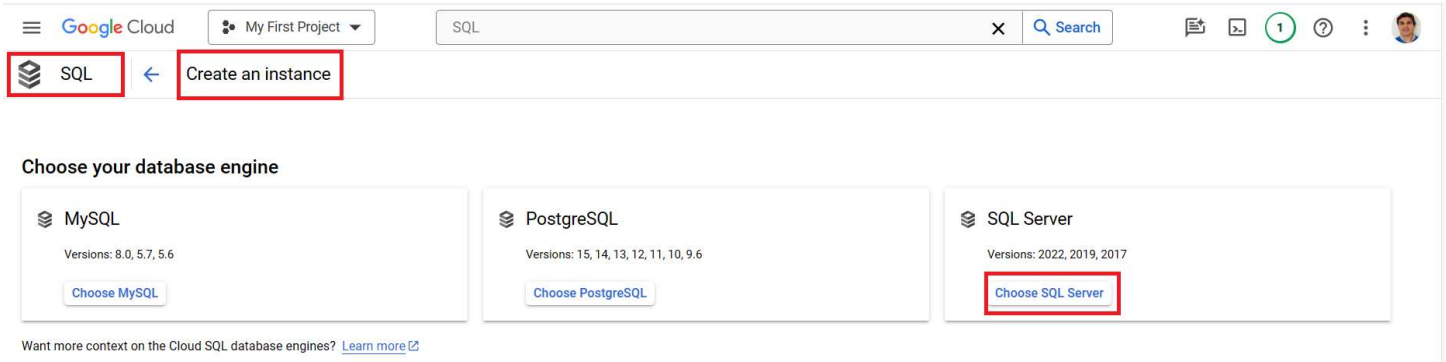
We search for SQL in the components searching text box



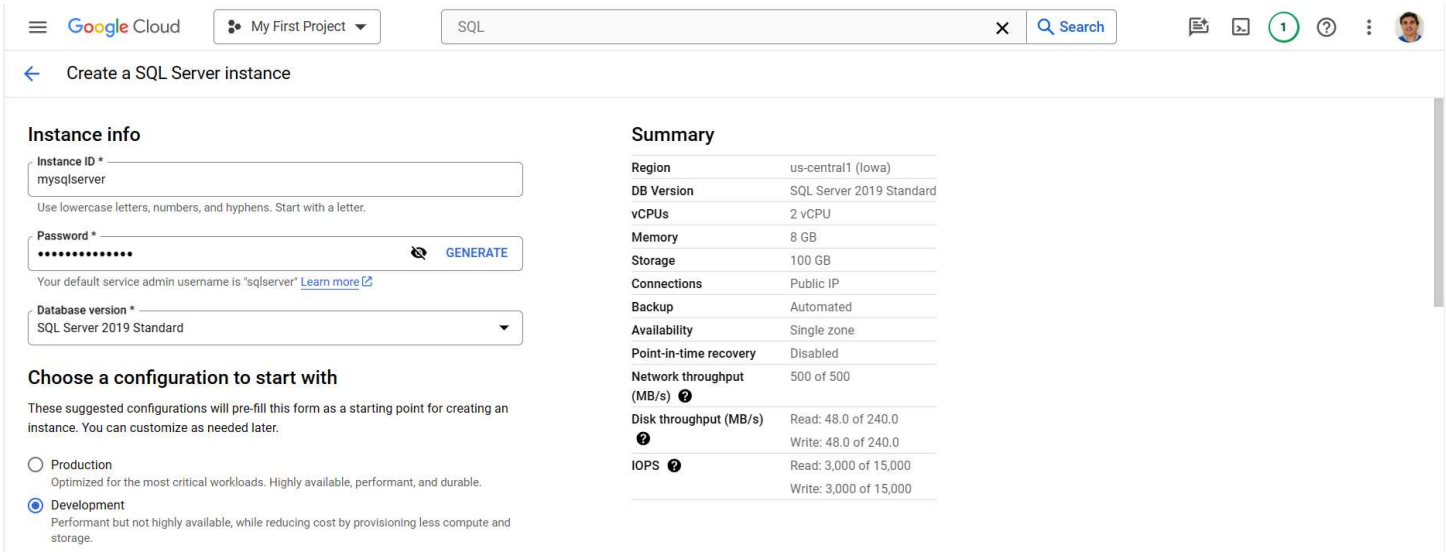
We select SQL->Managed MySQL, PostgreSQL, SQL Server

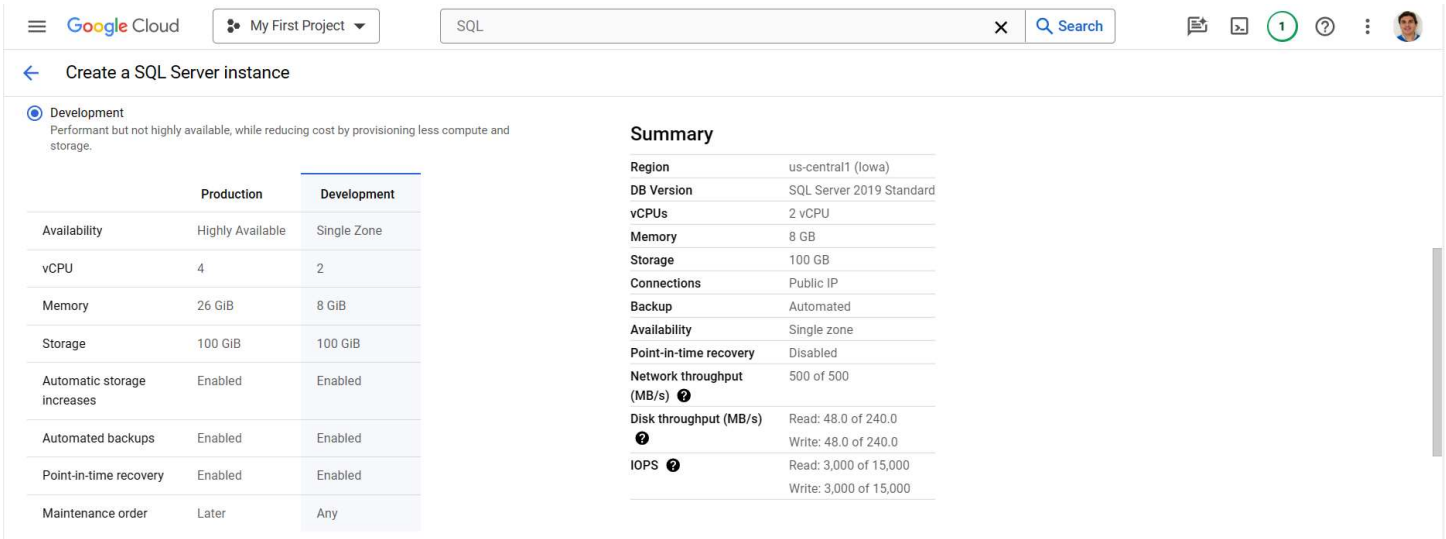


We choose SQL Server option

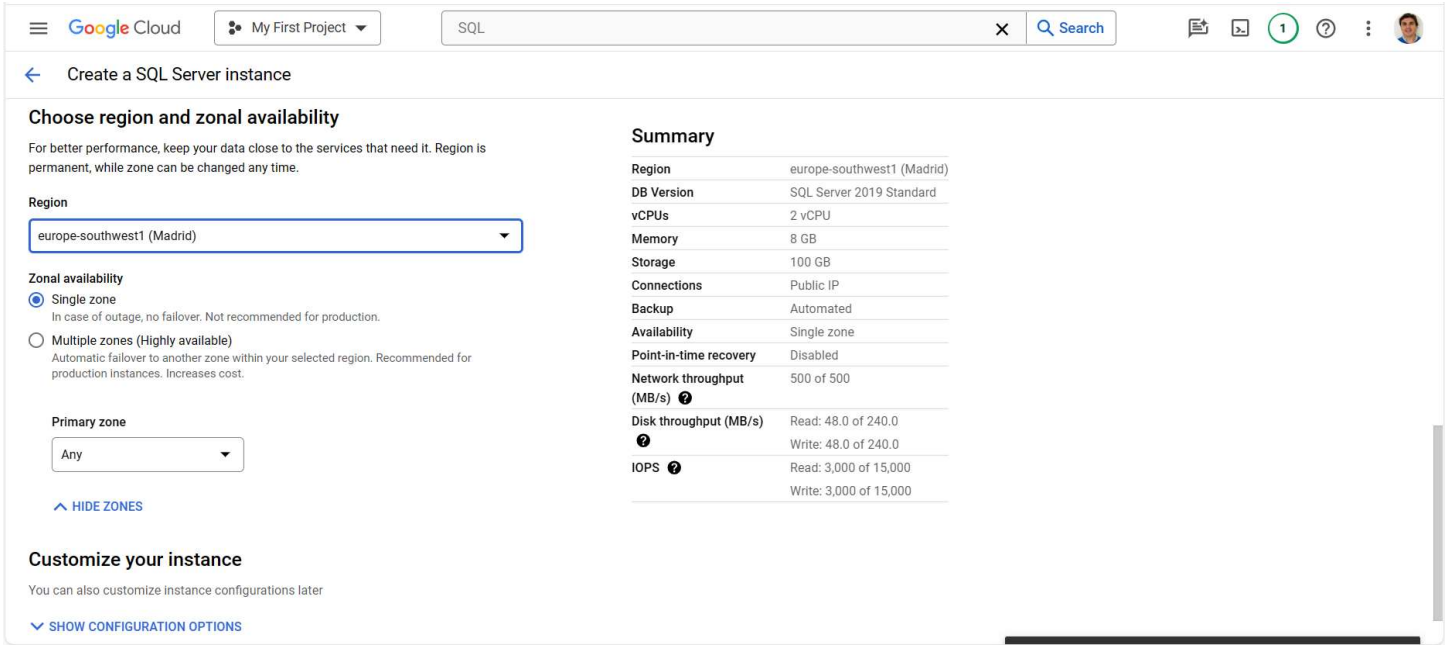


We input the server name, database password and Development option

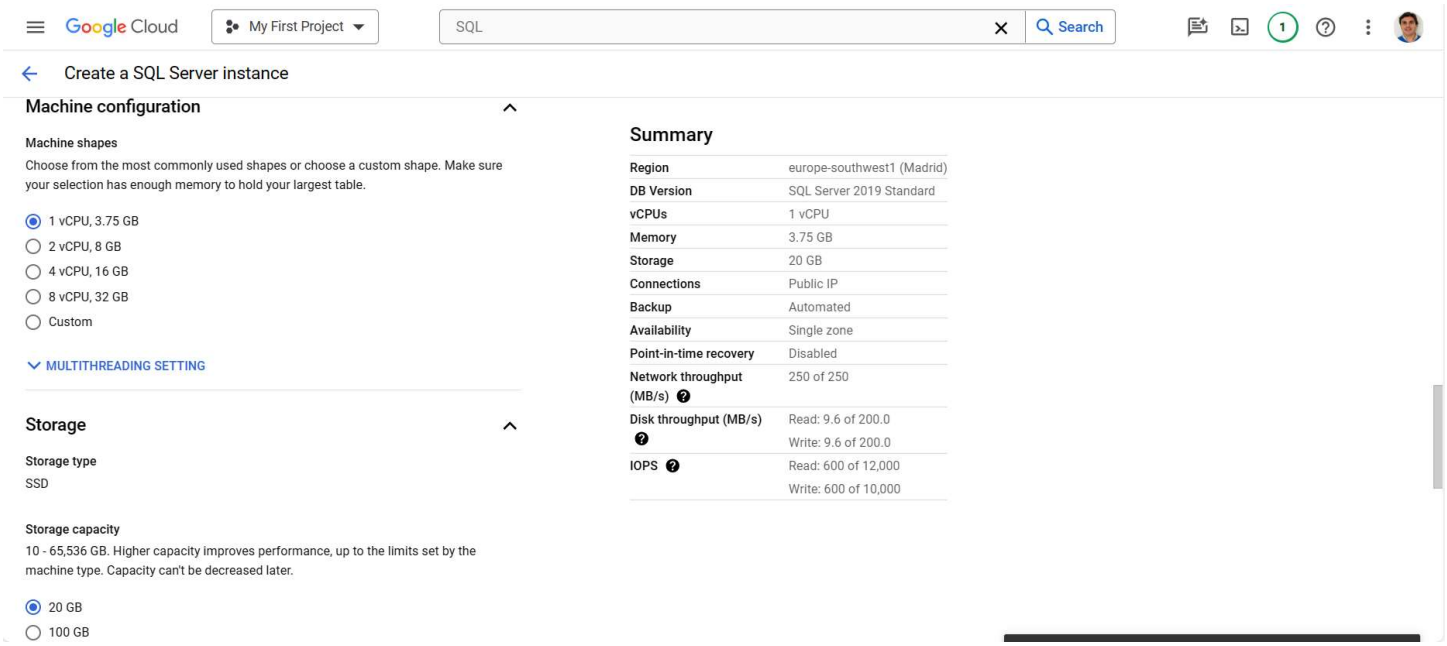




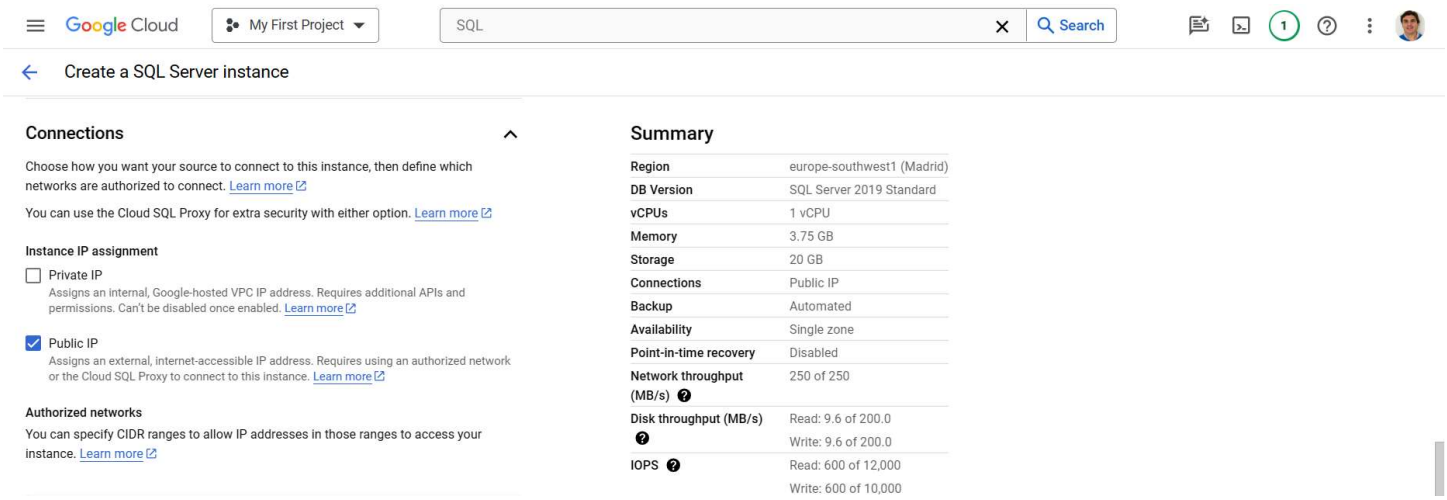
We select a Single zone and input the Region/location



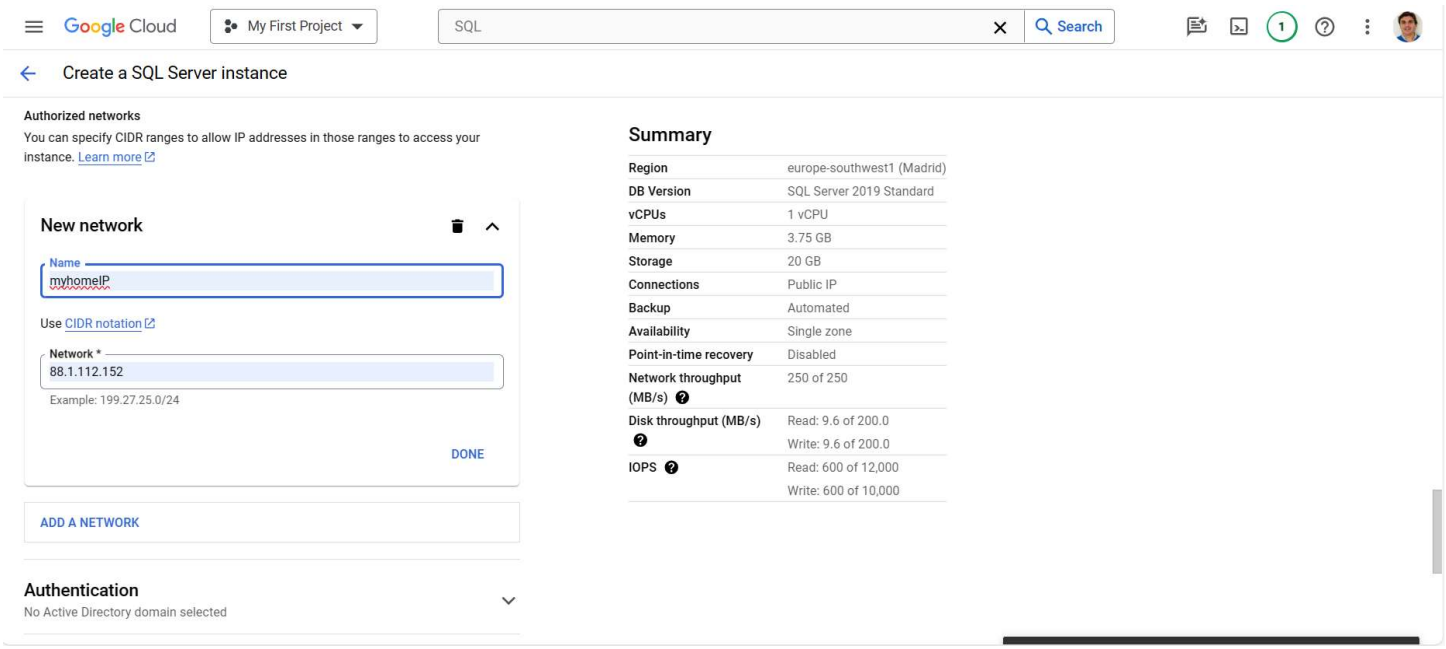
We select the CPU/Memory and storage capacity



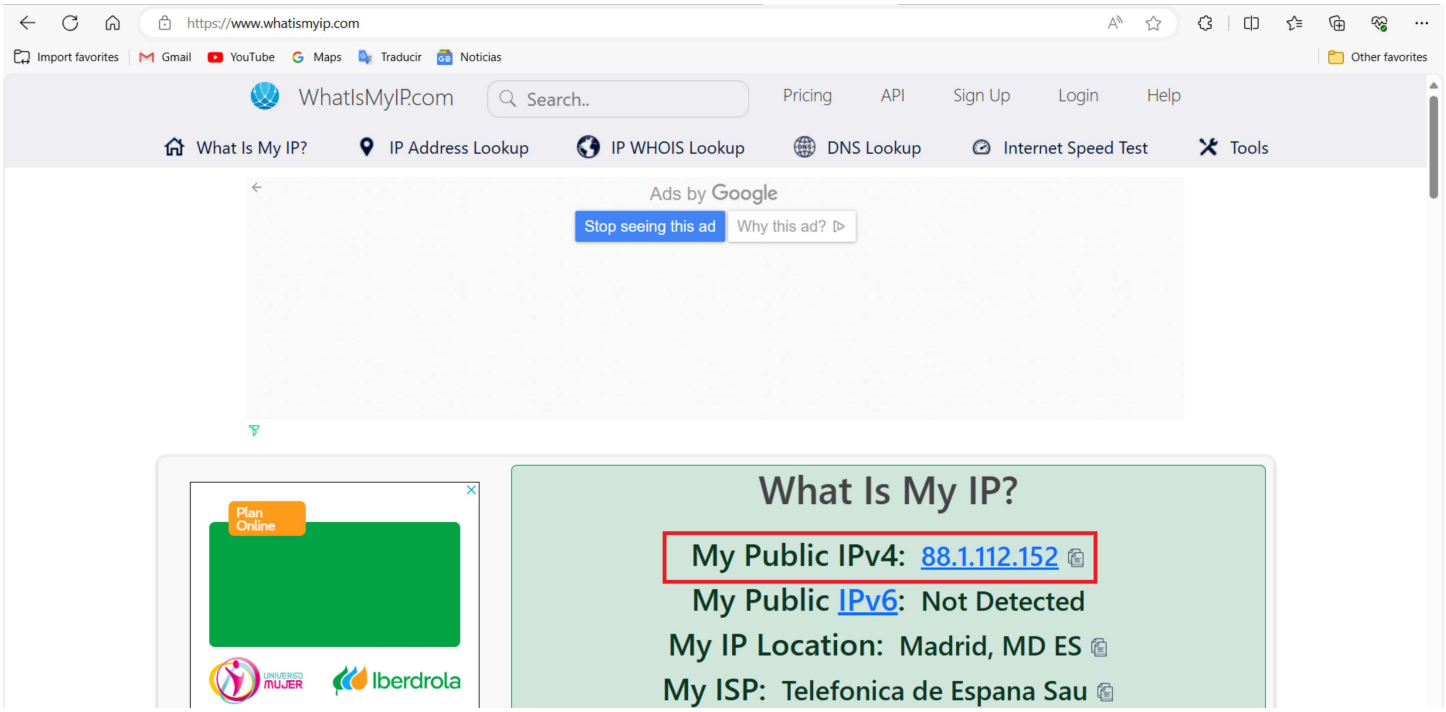
We select the Public IP in the Connection details

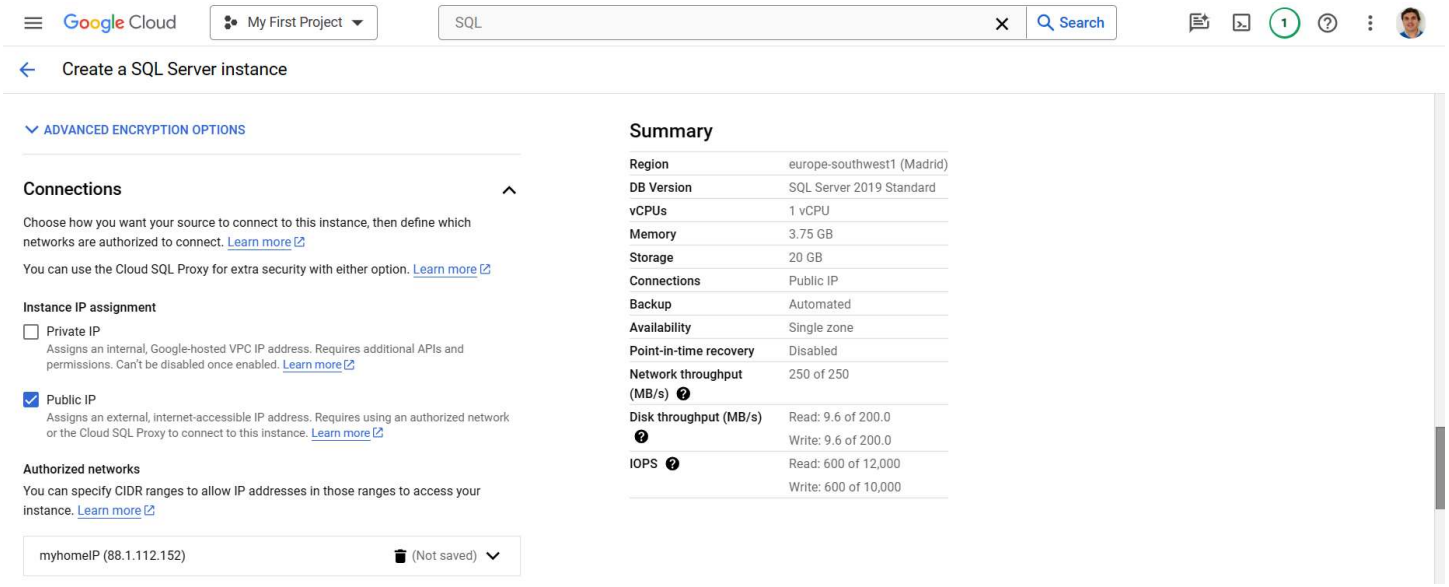


We add my laptop local IP and we press the **Add a Network** button



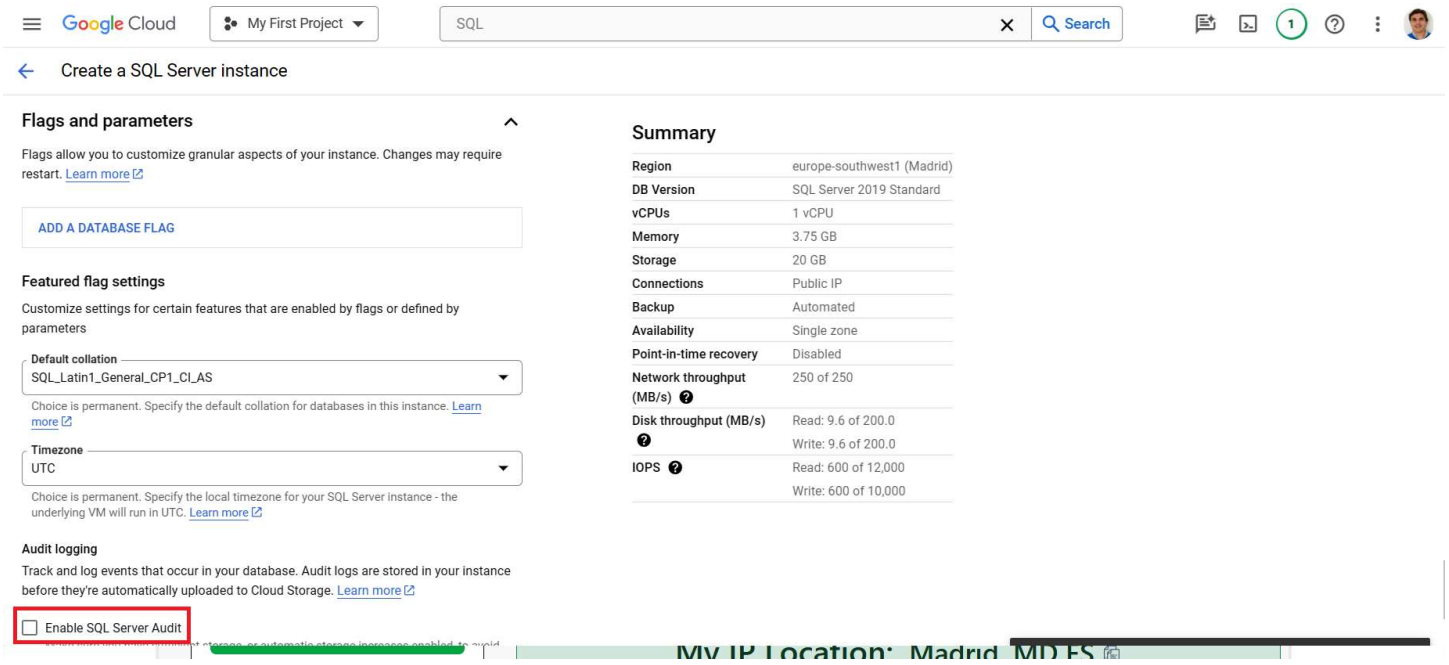
IMPORTANT NOTE: to get you local laptop IP navigate to the https://www.whatismyip.com/

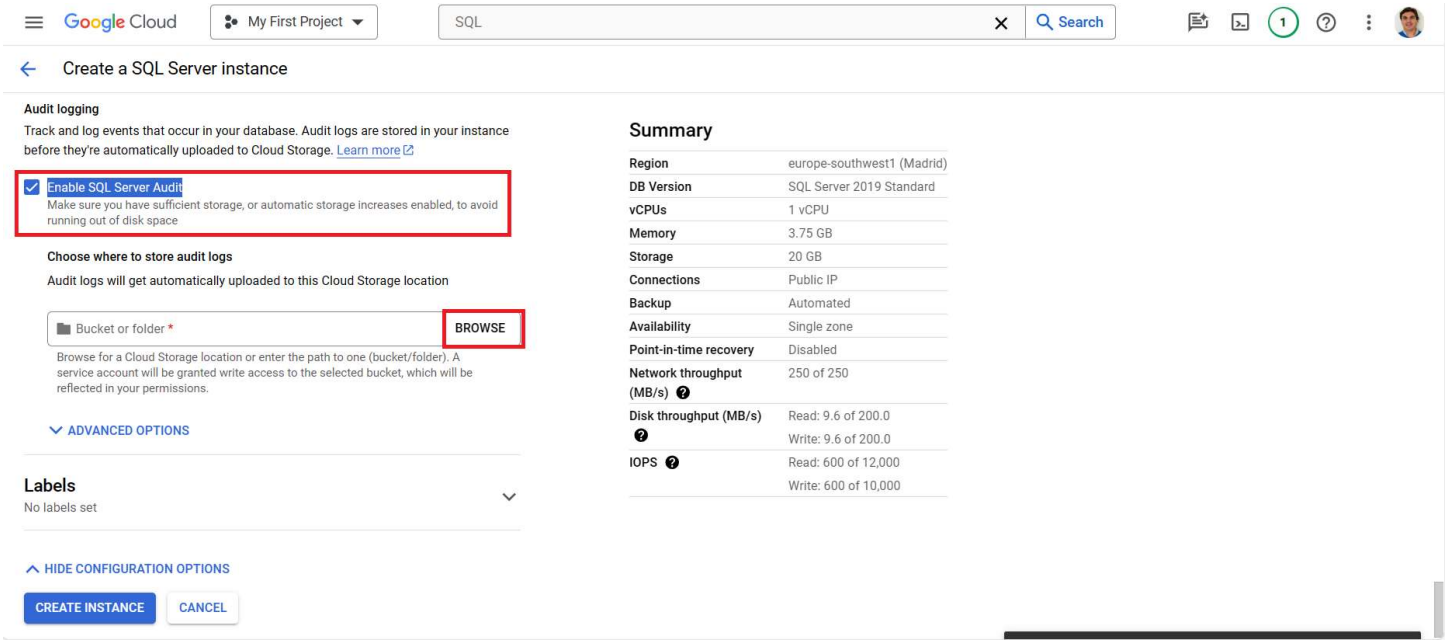




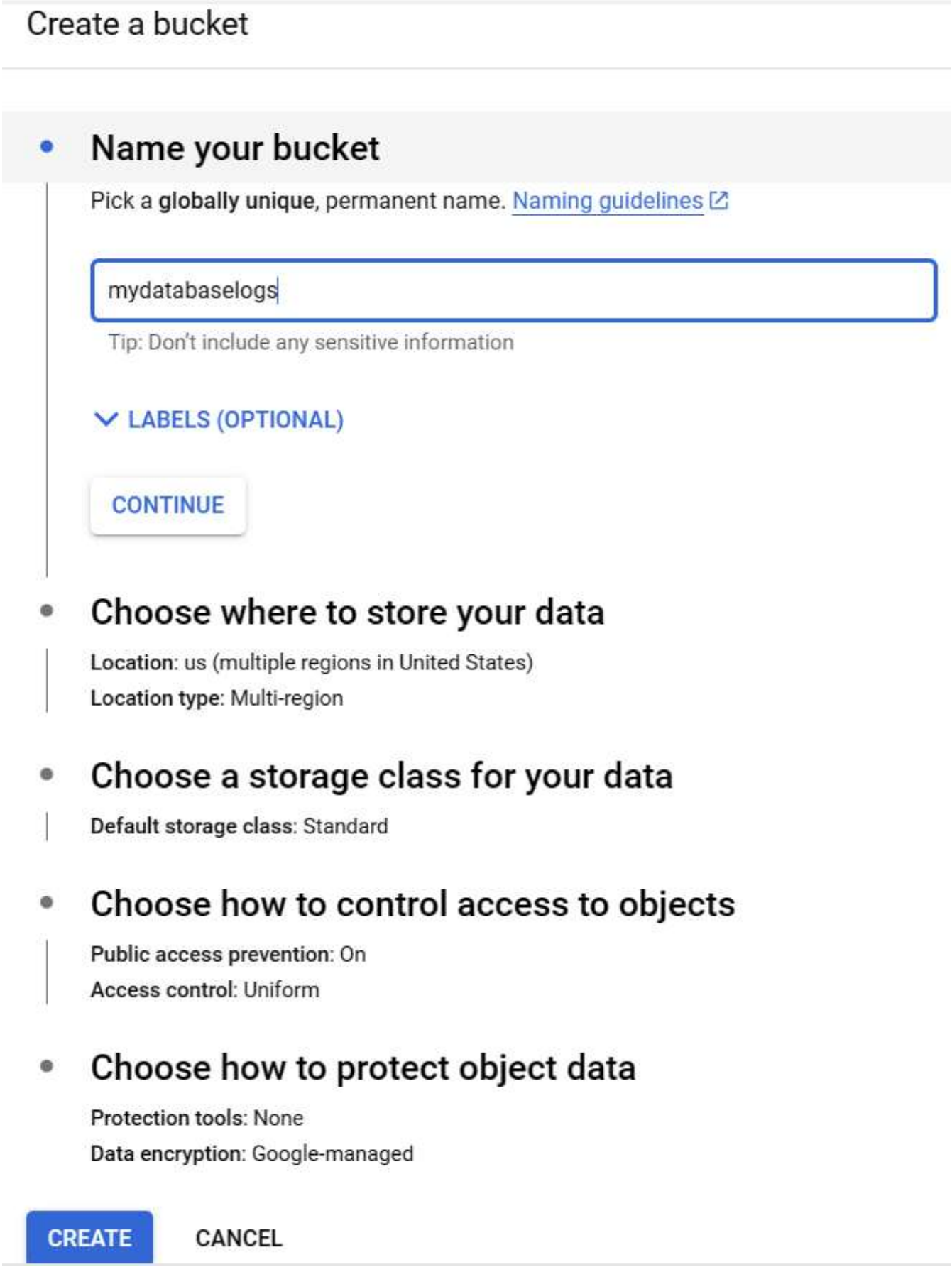
We unselect the **Enable deletion protection** option

In **Featured Flag Setting** we select **Enable SQL Server Audit**

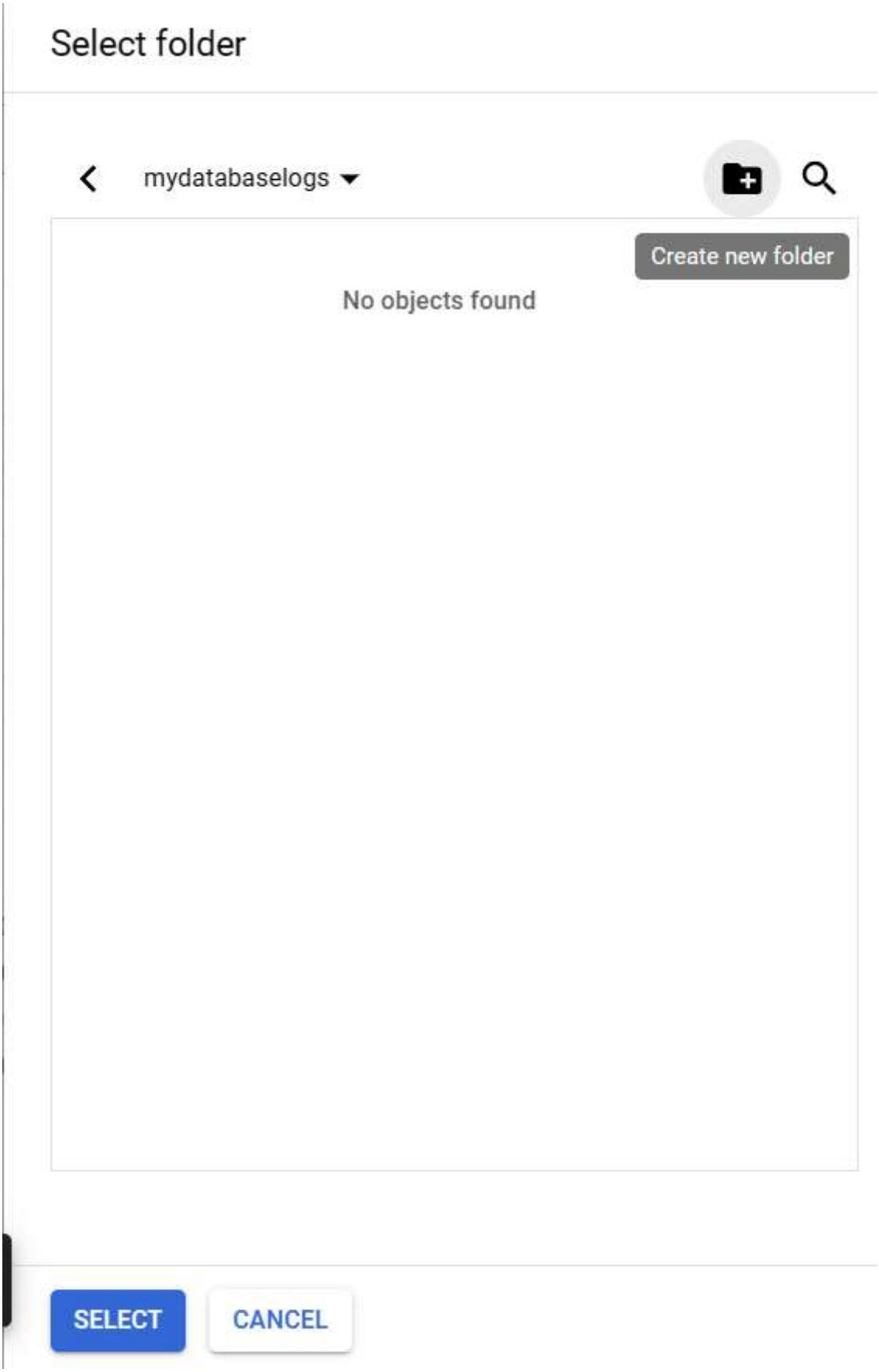


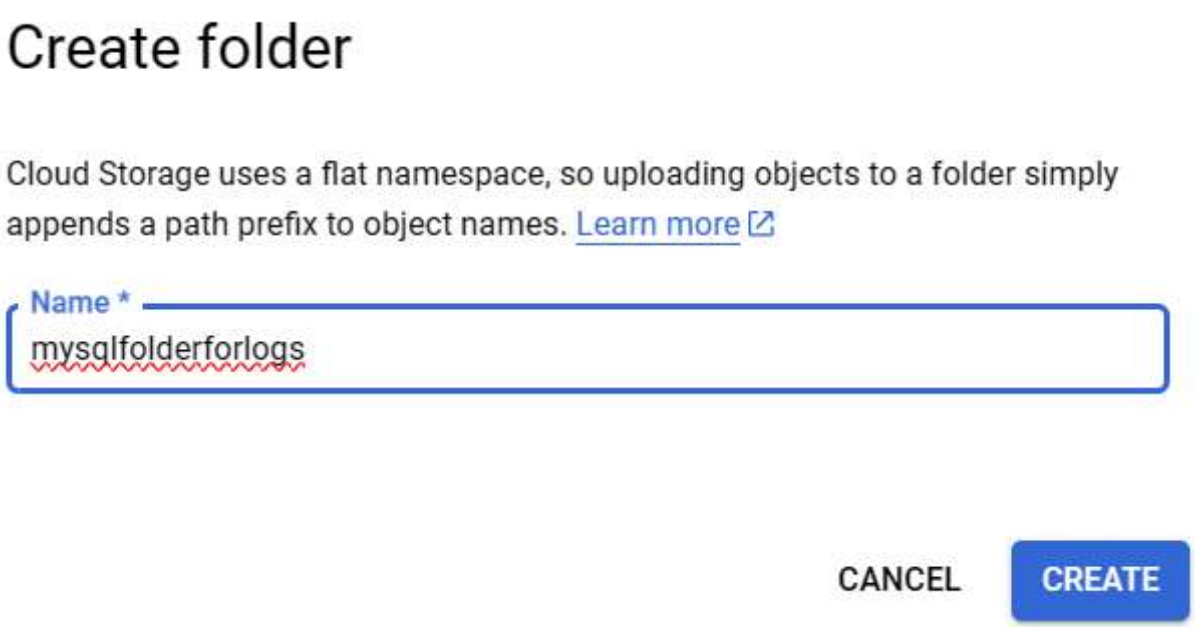


We create a new bucket for database logs



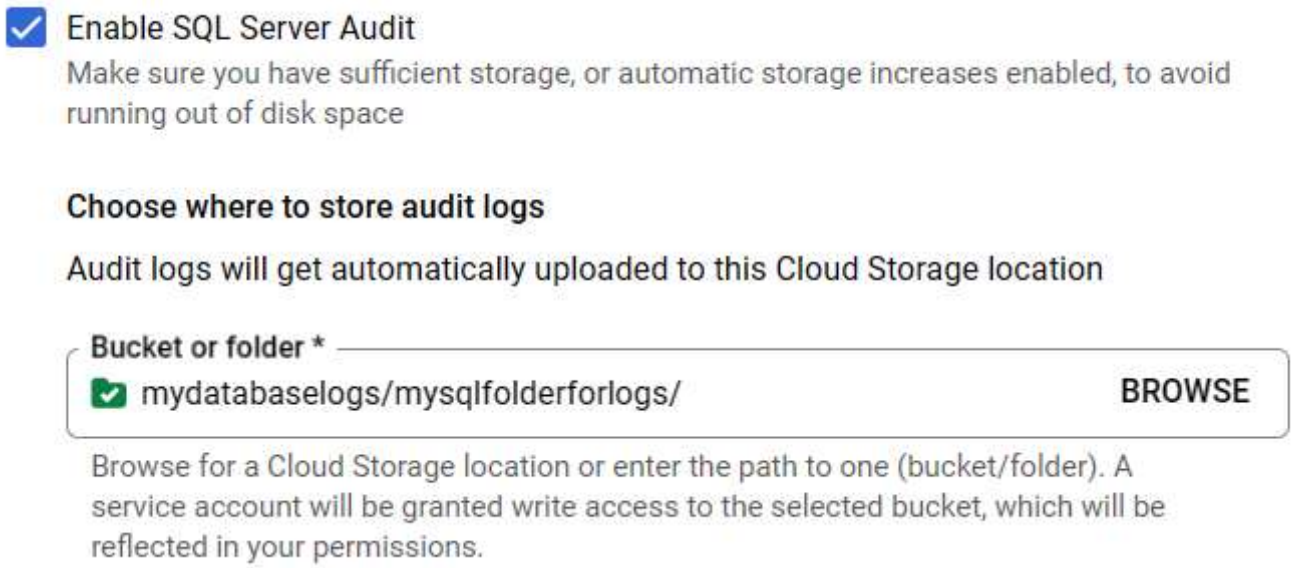
We create a new folder inside the bucket


Select folder
mydatabaselogs
Create new folder
No objects found
SELECT
CANCEL



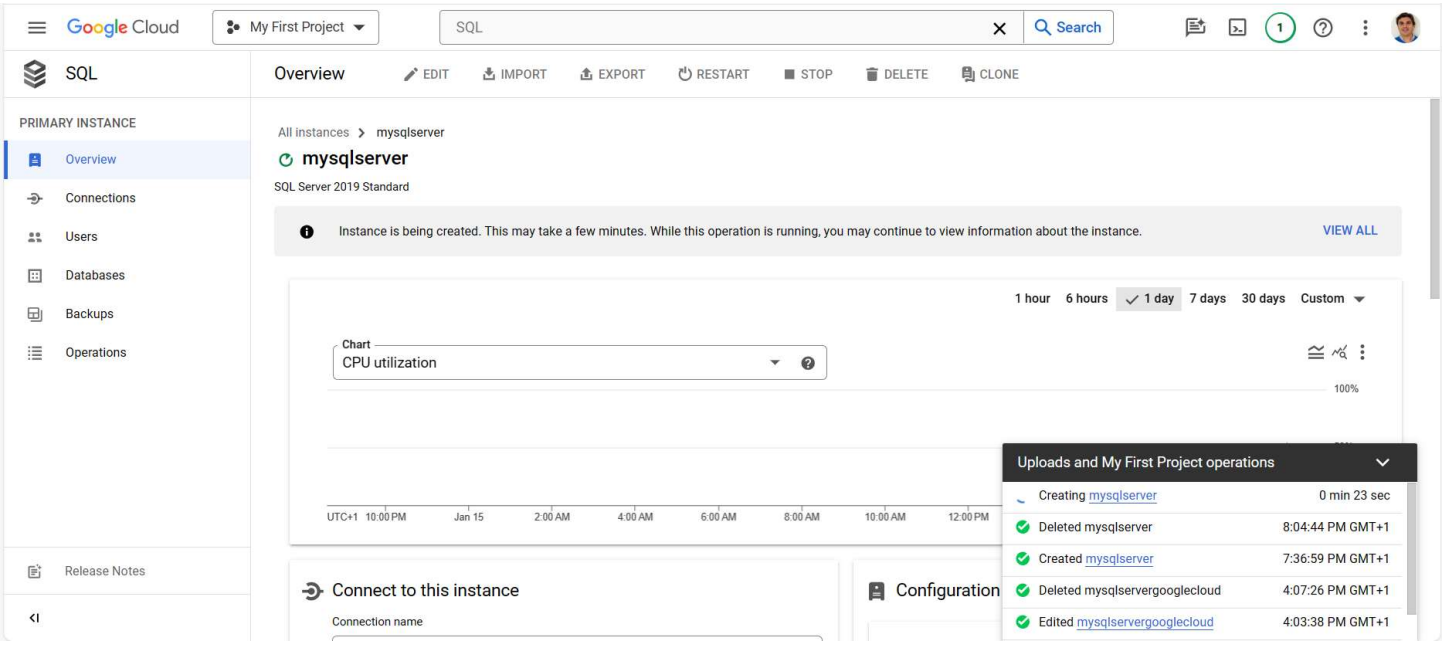
We select the folder inside the bucket

We verify we select the folder

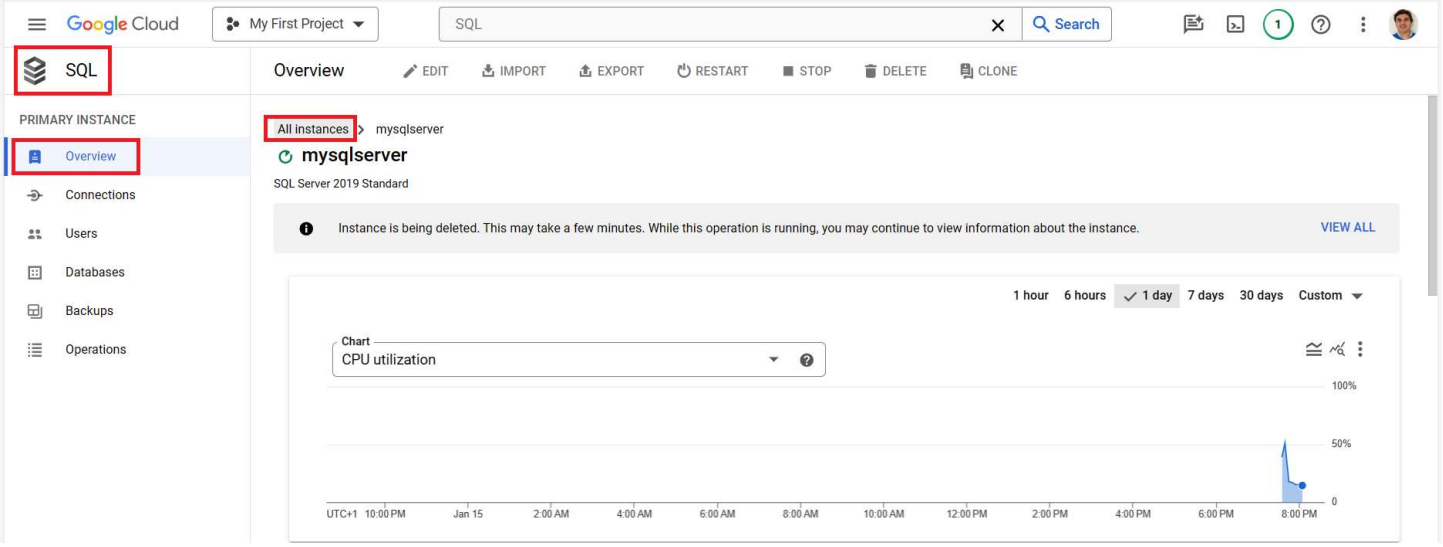


Finally we press the **CREATE INSTANCE** button

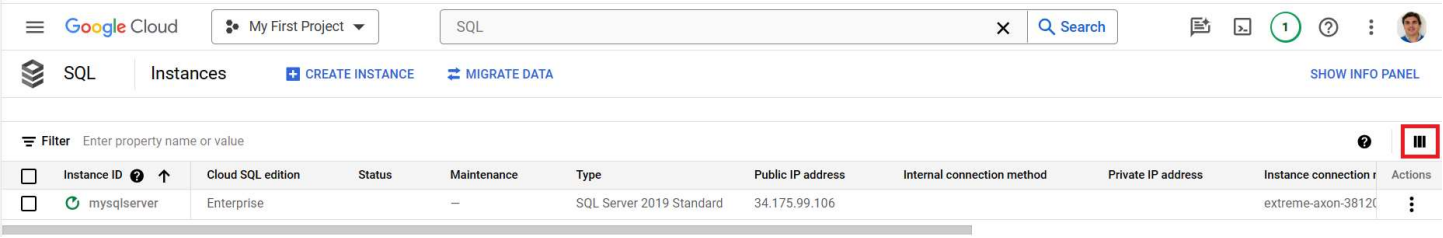
We verify we are creating a nw SQL Server instance



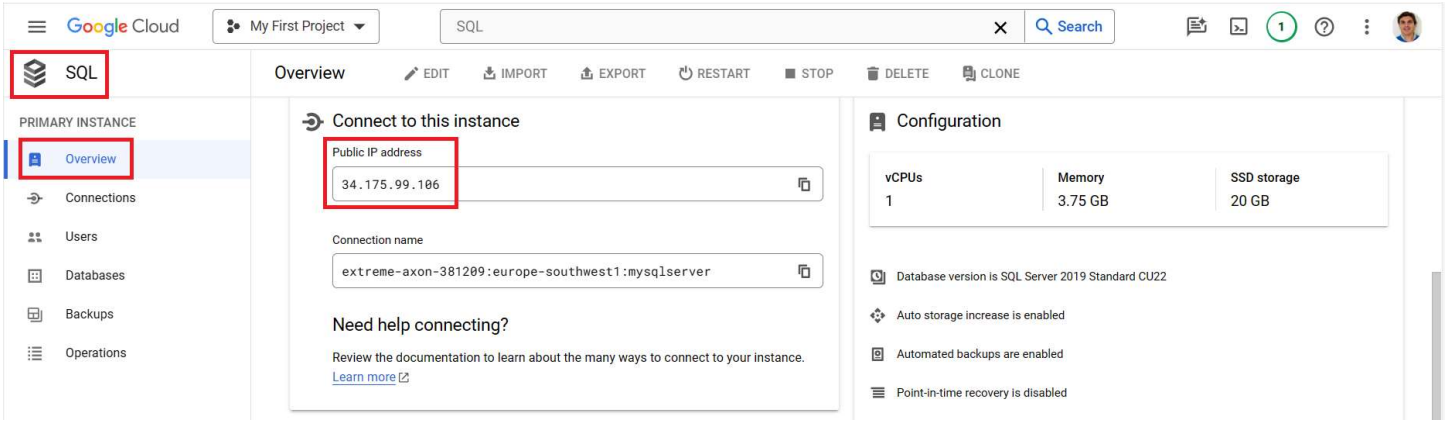
We can see the new SQL Server instance in the list



We can press ths **Column display options** button to add more fields info



The most important infor to copy for connecting to the database is the Public IP and the database user



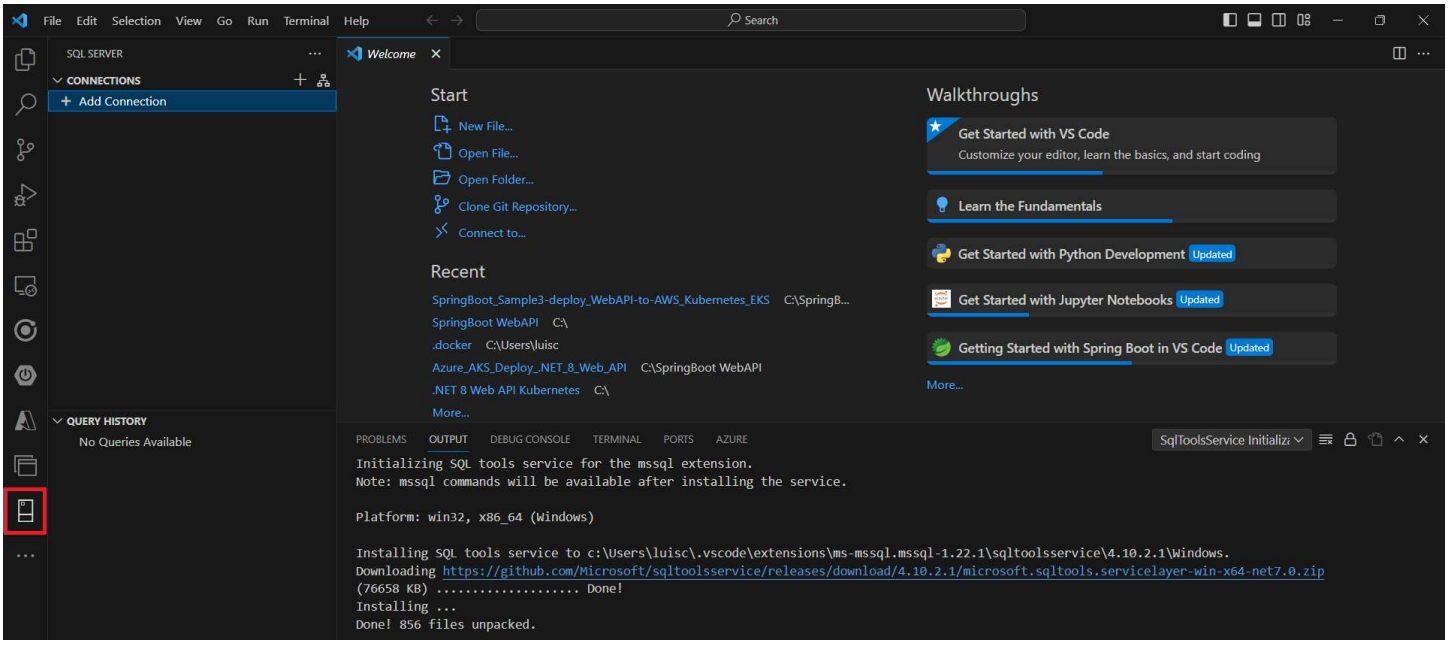
2. Connect to Google Cloud SQL instance from SSMS

We run SSMS and we enter the SQL Server name and password

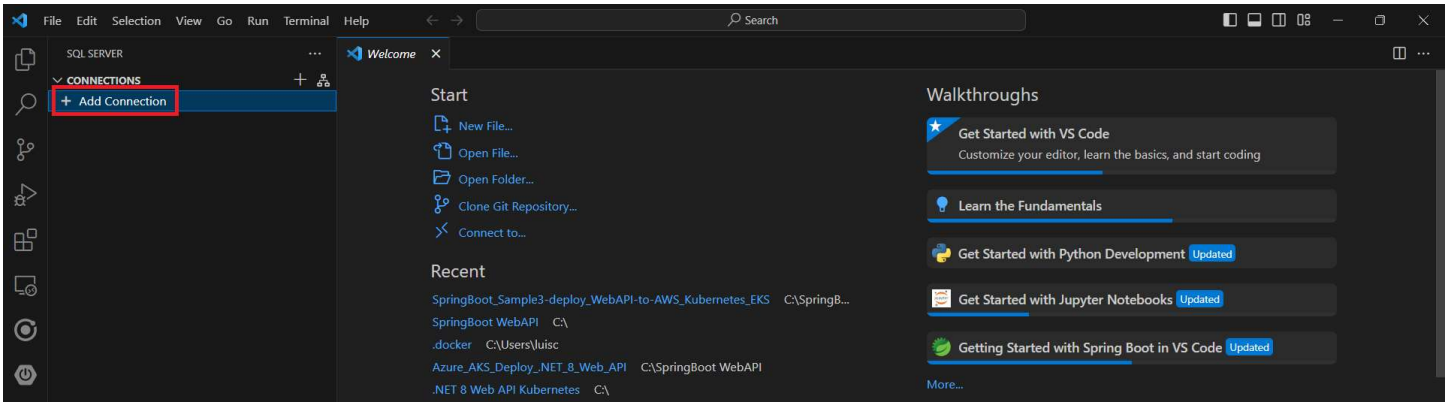
We can create a new database

3. Connect to Google Cloud SQL instance from VSCode

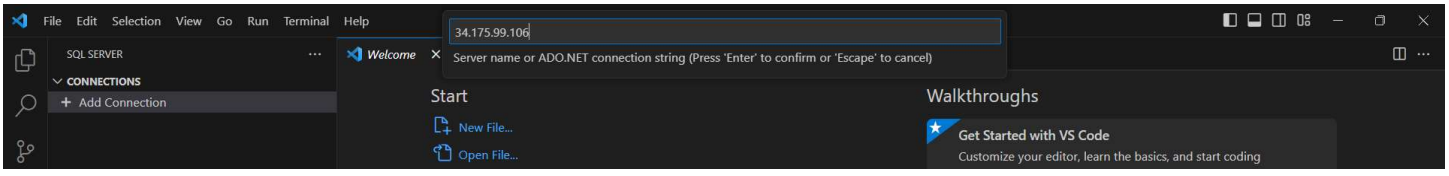
We VSCode and we press **SQL Server** button in the left hand side menu



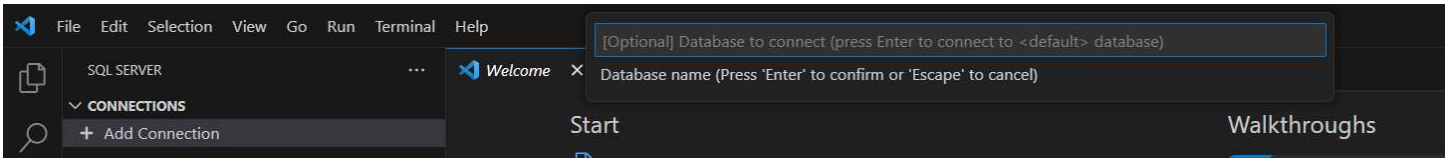
We create a new connection



We input the Public IP in the server name

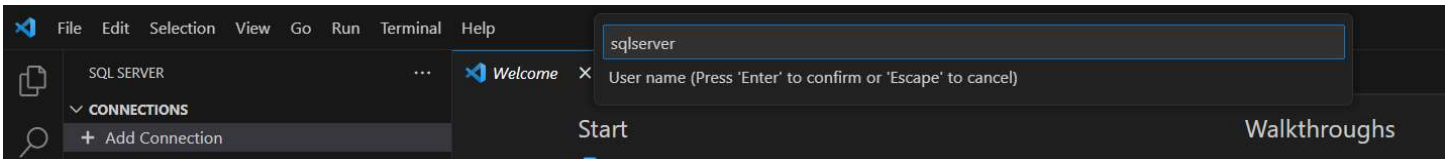


We do not input any database name, we just press enter button

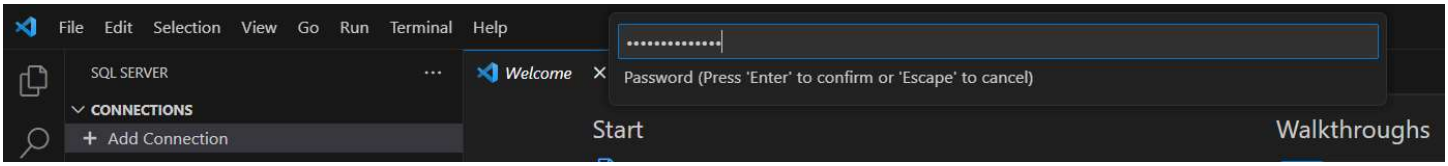


We select SQL login option

We input the **sqlserver** user



We input the **database password**

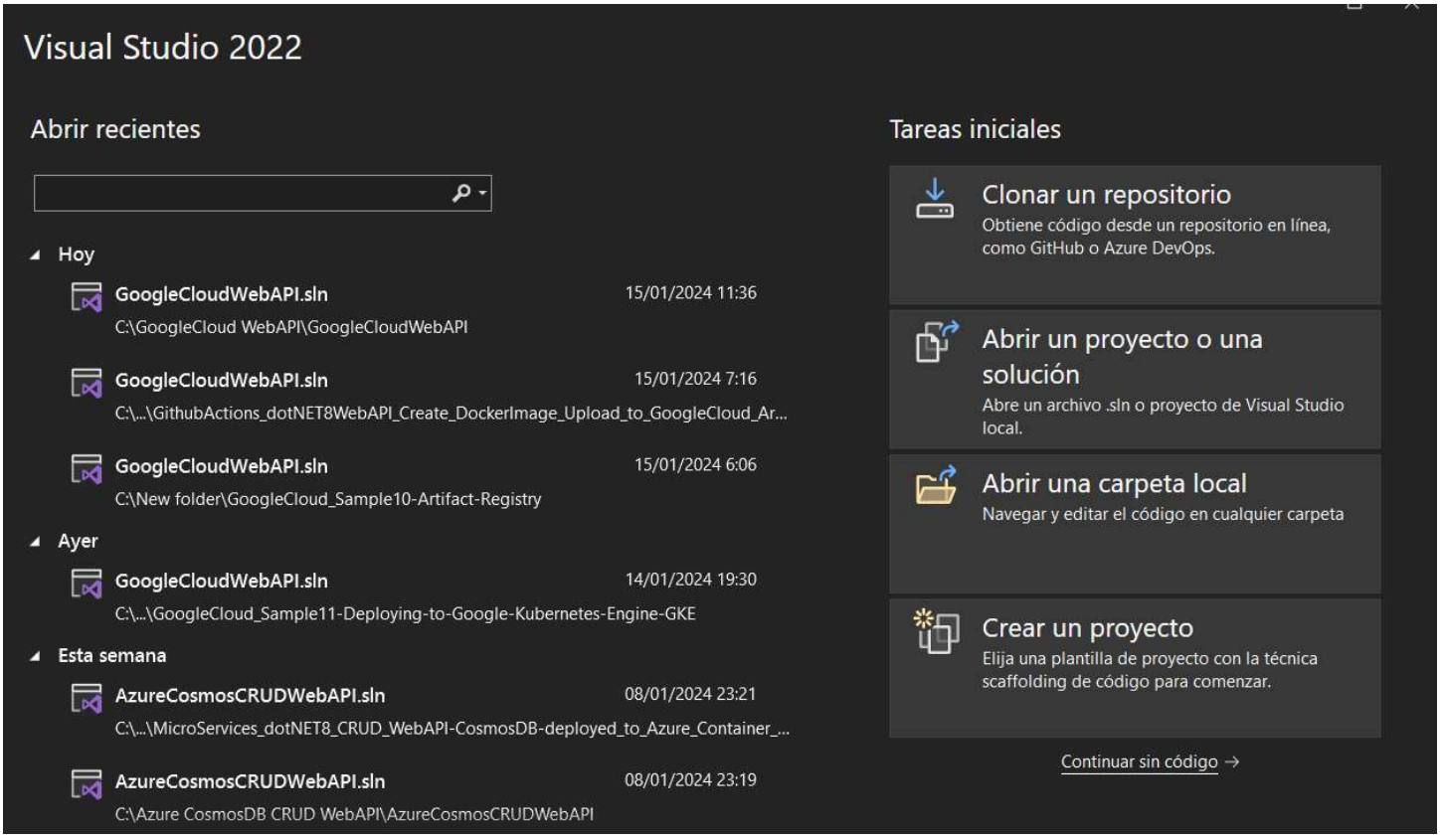


We leave the default value for profile name

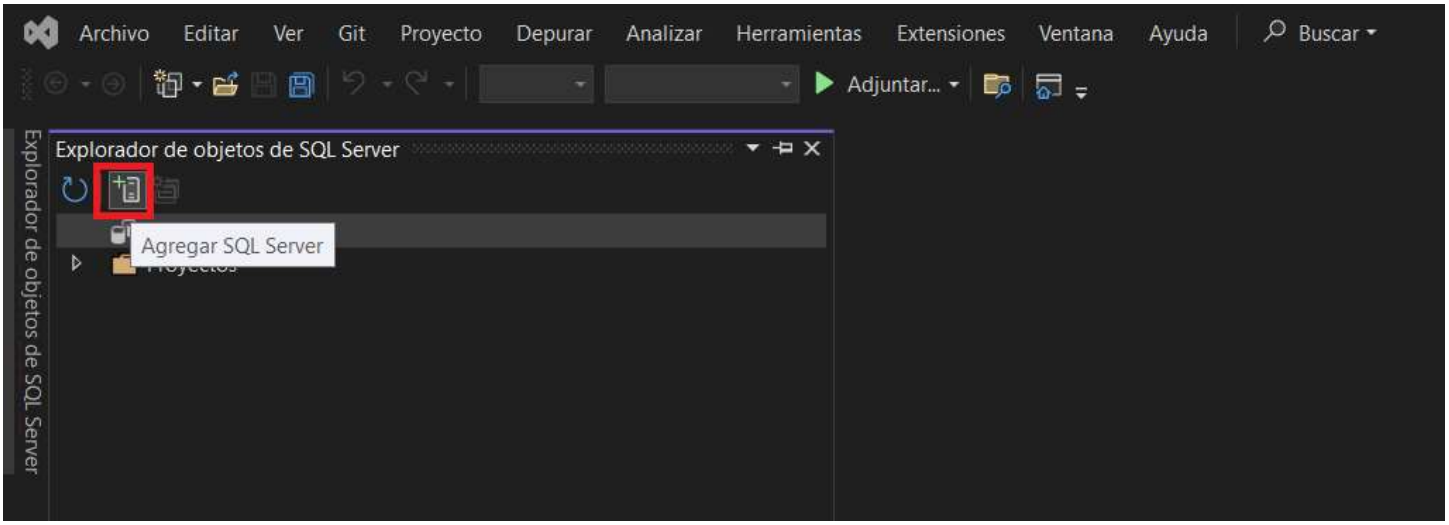
We also press **Enable Trust Server Certificate**

We verify the SQL Server connection

4. Connect to Google Cloud SQL instance from Visual Studio 2022 Community Edition



We add a new SQL Server connection



We input the connection data

We verify the new SQL Server connection