

Imagen. Resumen de la instancia para lanzar el Dash. Imagen propia.

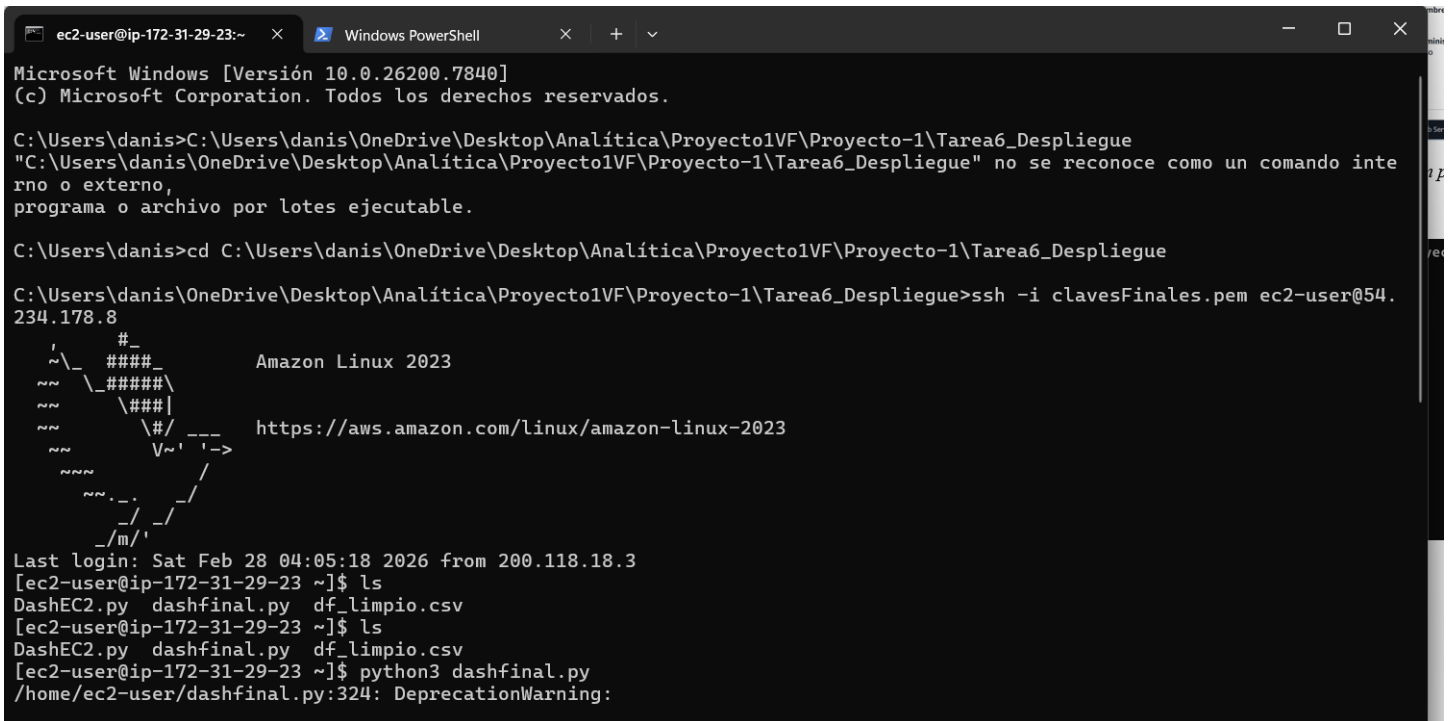


Imagen. conectándome a la instancia. Imagen propia.

```
ec2-user@ip-172-31-31-114:~$ pip3 install dash
Collecting retrying
  Downloading retrying-1.4.2-py3-none-any.whl (10 kB)
Requirement already satisfied: requests in /usr/lib/python3.9/site-packages (from dash) (2.25.1)
Collecting click>=8.1.3
  Downloading click-8.1.8-py3-none-any.whl (98 kB)
Collecting markupsafe>=2.1.1
  Downloading markupsafe-3.0.3-cp39-cp39-manylinux2014_x86_64.manylinux_2_17_x86_64.manylinux_2_28_x86_64.whl (20 kB)
Collecting jinja2>=3.1.2
  Downloading jinja2-3.1.6-py3-none-any.whl (134 kB)
Collecting itsdangerous>=2.2.0
  Downloading itsdangerous-2.2.0-py3-none-any.whl (16 kB)
Collecting blinker>=1.9.0
  Downloading blinker-1.9.0-py3-none-any.whl (8.5 kB)
Collecting zipp>=3.20
  Downloading zipp-3.23.0-py3-none-any.whl (10 kB)
Collecting narwhals>=1.15.1
  Downloading narwhals-2.17.0-py3-none-any.whl (444 kB)
Collecting packaging
  Downloading packaging-26.0-py3-none-any.whl (74 kB)
Requirement already satisfied: chardet<5,>=3.0.2 in /usr/lib/python3.9/site-packages (from requests->dash) (4.0.0)
Requirement already satisfied: idna<3,>=2.5 in /usr/lib/python3.9/site-packages (from requests->dash) (2.10)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in /usr/lib/python3.9/site-packages (from requests->dash) (1.25.10)
Installing collected packages: zipp, markupsafe, Werkzeug, packaging, narwhals, jinja2, itsdangerous, importlib-metadata, click, blinker, typing-extensions,
retrying, plotly, nest-asyncio, Flask, dash
Successfully installed Flask-3.1.3 Werkzeug-3.1.6 blinker-1.9.0 click-8.1.8 dash-4.0.0 importlib-metadata-8.7.1 itsdangerous-2.2.0 jinja2-3.1.6 markupsafe-3
.0.3 narwhals-2.17.0 nest-asyncio-1.6.0 packaging-26.0 plotly-6.5.2 retrying-1.4.2 typing-extensions-4.15.0 zipp-3.23.0
[ec2-user@ip-172-31-31-114 ~]$ pip3 install gunicorn
Defaulting to user installation because normal site-packages is not writeable
Collecting gunicorn
  Downloading gunicorn-23.0.0-py3-none-any.whl (85 kB)
Requirement already satisfied: packaging in ./local/lib/python3.9/site-packages (from gunicorn) (26.0)
Installing collected packages: gunicorn
Successfully installed gunicorn-23.0.0
[ec2-user@ip-172-31-31-114 ~]$
```

Imagen. Actualizando librerías para lanzar el Dash. Imagen propia.

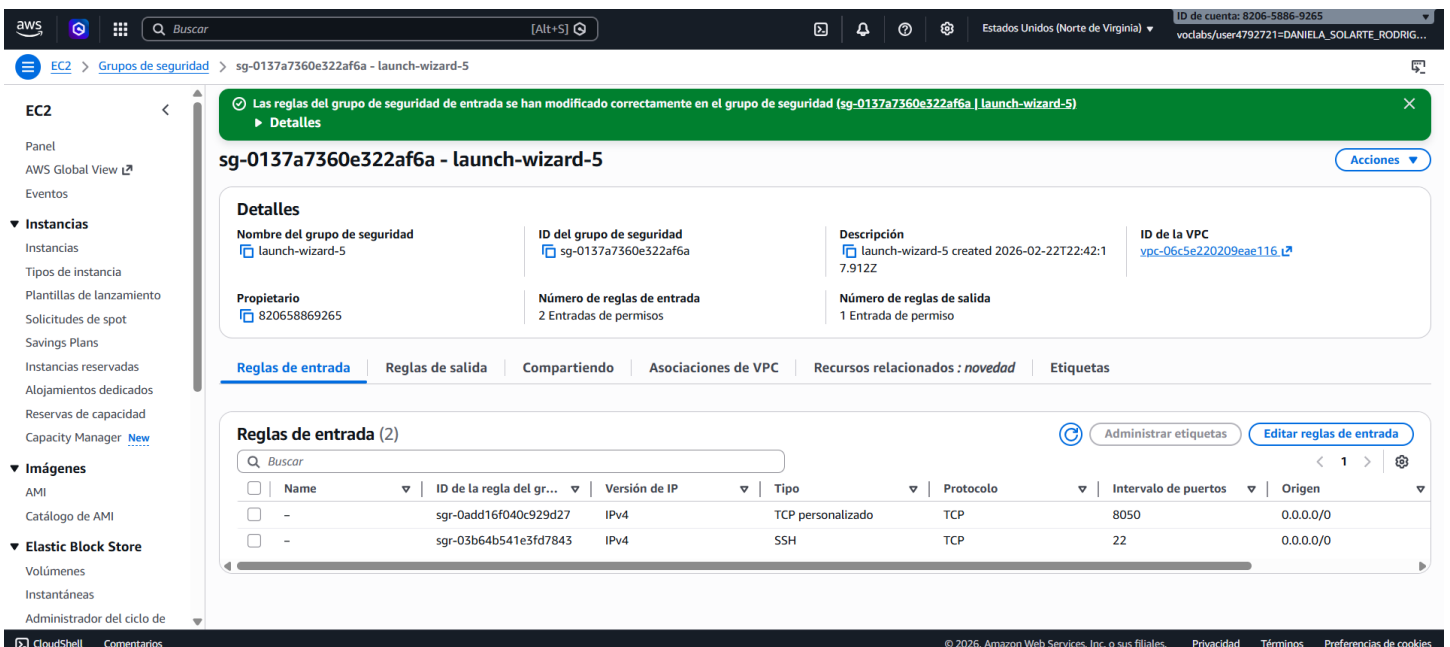


Imagen. Nueva regla de seguridad para conectar la instancia. Imagen propia.

```
[ec2-user@ip-172-31-29-23 ~]$ ls
DashEC2.py dashfinal.py df_limpio.csv
[ec2-user@ip-172-31-29-23 ~]$ python3 DashEC2.py
/home/ec2-user/DashEC2.py:324: DeprecationWarning:
The library used by the *country names* `locationmode` option is changing in an upcoming version. Country names in existing plots may not work in the new
version. To ensure consistent behavior, consider setting `locationmode` to *ISO-3*.

Dash is running on http://127.0.0.1:8050/

* Serving Flask app 'DashEC2'
* Debug mode: on
```

Imagen. Lanzando el Dash. Imagen propia

