Campus Monterrey

Inteligencia artificial avanzada para la ciencia de datos II (Gpo 501)

Instalación de Spark en AWS

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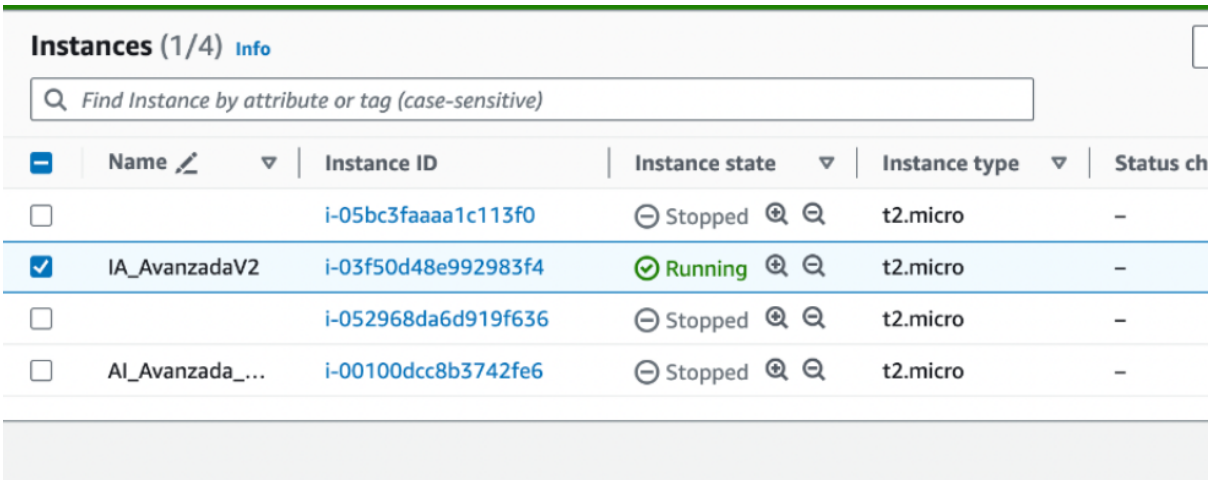
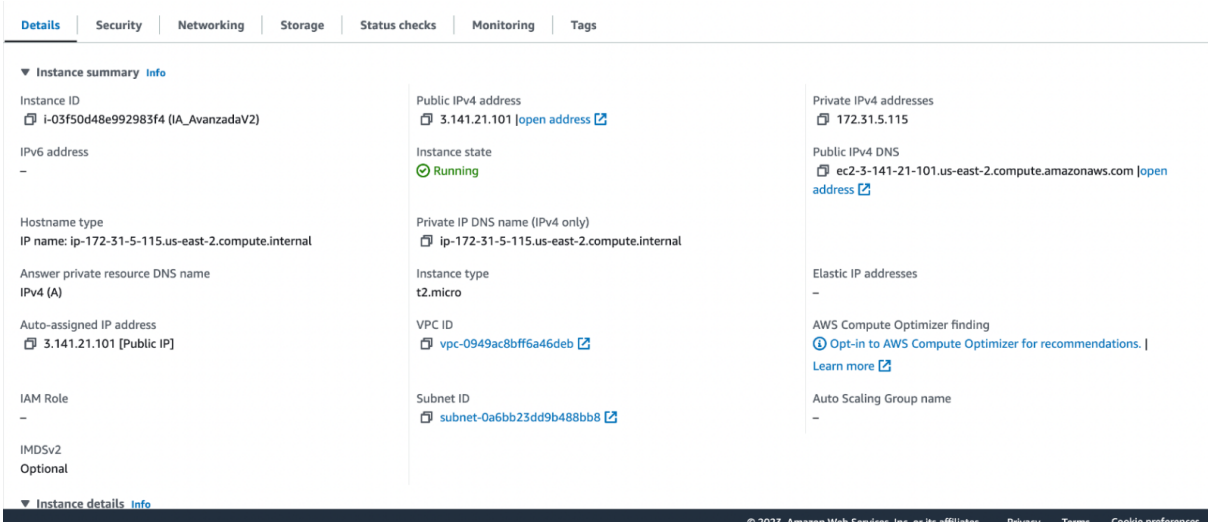
1.- Impresión de pantalla del listado de instancias de EC2 de AWS en donde se muestre la instancia creada.



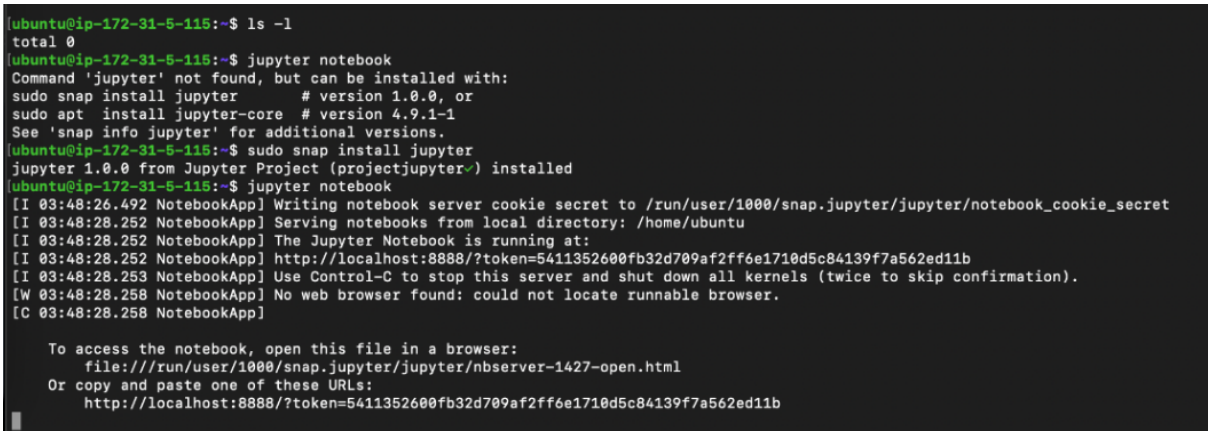
2.- Impresión de pantalla conectado al servidor ya sea por Terminal o Putty, ya una vez dentro, ejecutar el comando ls -l para la toma de la impresión de pantalla.

```
(base) alfredogarcia@Alfredos-MacBook-Pro-2 ~ % clc
zsh: command not found: clc
(base) alfredogarcia@Alfredos-MacBook-Pro-2 ~ % chmod 400 Desktop/llaves_ec2_bigdata.pem

(base) alfredogarcia@Alfredos-MacBook-Pro-2 ~ % ssh -i Desktop/llaves_ec2_bigdata.pem ubuntu@3.141.21.101

The authenticity of host '3.141.21.101 (3.141.21.101)' can't be established.
ED25519 key fingerprint is SHA256:CcKrNzq5pvuX/Ib9YblplTsxjIWw7qmrXYsCxcktVJw.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '3.141.21.101' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 6.2.0-1012-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

  System information as of Tue Oct 31 03:44:26 UTC 2023

  System load:  0.30126953125     Processes:             102
  Usage of /:   5.4% of 28.89GB   Users logged in:       0
  Memory usage: 22%               IPv4 address for eth0: 172.31.5.115
  Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status


The list of available updates is more than a week old.
To check for new updates run: sudo apt update


The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-5-115:~$
```

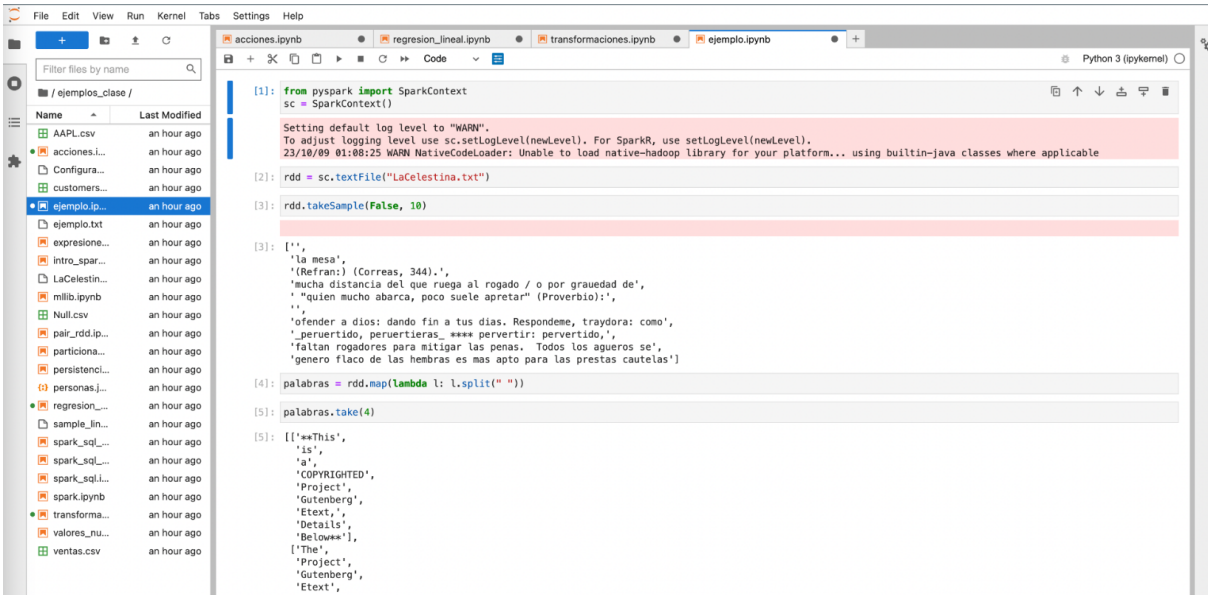
3.- Impresión de pantalla de la pestaña Detalles para que se vea la ip pública, la ip privada y el DNS público de la instancia (es necesario que la instancia esté Running).



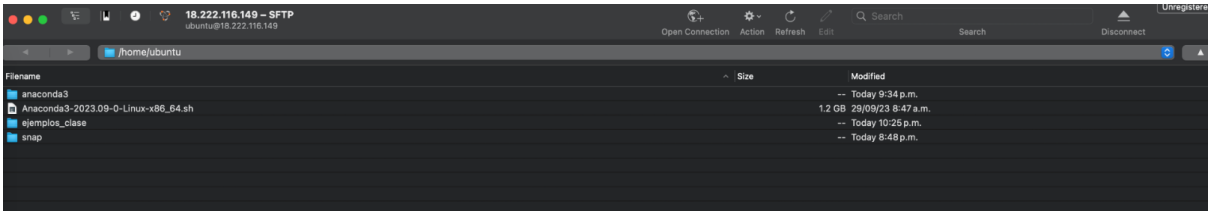
4.- Impresión de pantalla de la terminal o putty una vez que se ejecuta el comando jupyter notebook.



5.- Impresión de pantalla de jupyter notebook visualizando el listado de los notebooks que se proporcionaron como ejemplos.



6.- Impresión de pantalla de la conexión abierta al servidor utilizando Cyberduck o Filezilla (ver listado de archivos).



7.- Crear un notebook con su nombre y colocar el llamado a Pyspark para visualizar la versión instalada.