Padlet (Evaluación continua) - Semana 2 Taller 1
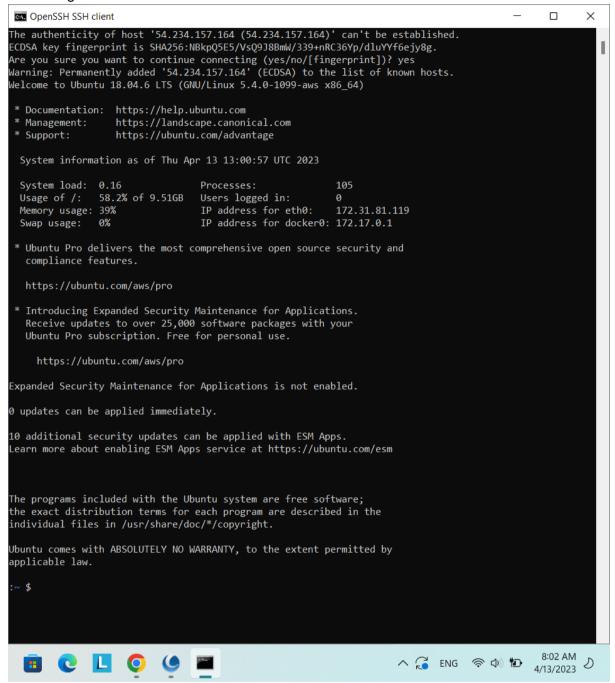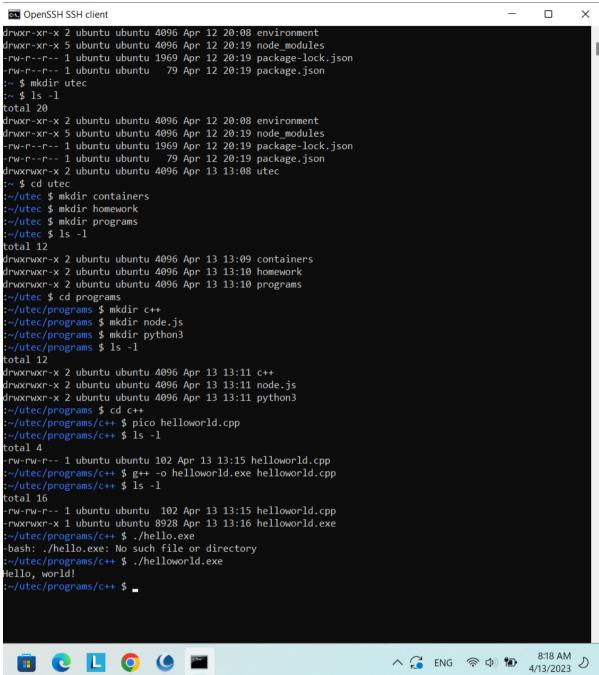
Alumno: <u>Luis Méndez Lázaro</u>

Accessing EC2 Instance

Running basic Linux commands
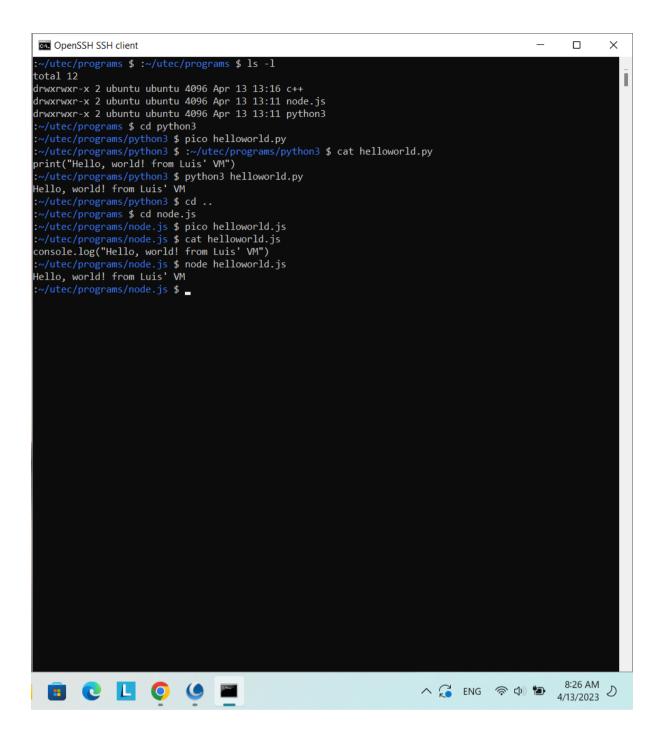
```
drwxr-xr-x 2 ubuntu ubuntu 4096 Apr 12 20:08 environment
drwxr-xr-x 5 ubuntu ubuntu 4096 Apr 12 20:19 node_modules
-rw-r--r-- 1 ubuntu ubuntu 1969 Apr 12 20:19 package-lock.json
-rw-r--r-- 1 ubuntu ubuntu   79 Apr 12 20:19 package.json
:~ $ mkdir utec
:~ $ ls -l
total 20
drwxr-xr-x 2 ubuntu ubuntu 4096 Apr 12 20:08 environment
drwxr-xr-x 5 ubuntu ubuntu 4096 Apr 12 20:19 node_modules
-rw-r--r-- 1 ubuntu ubuntu 1969 Apr 12 20:19 package-lock.json
-rw-r--r-- 1 ubuntu ubuntu   79 Apr 12 20:19 package.json
drwxrwxr-x 2 ubuntu ubuntu 4096 Apr 13 13:08 utec
:~ $ cd utec
:~/utec $ mkdir containers
:~/utec $ mkdir homework
:~/utec $ mkdir programs
:~/utec $ ls -l
total 12
drwxrwxr-x 2 ubuntu ubuntu 4096 Apr 13 13:09 containers
drwxrwxr-x 2 ubuntu ubuntu 4096 Apr 13 13:10 homework
drwxrwxr-x 2 ubuntu ubuntu 4096 Apr 13 13:10 programs
:~/utec $ cd programs
:~/utec/programs $ mkdir c++
:~/utec/programs $ mkdir node.js
:~/utec/programs $ mkdir python3
:~/utec/programs $ ls -l
total 12
drwxrwxr-x 2 ubuntu ubuntu 4096 Apr 13 13:11 c++
drwxrwxr-x 2 ubuntu ubuntu 4096 Apr 13 13:11 node.js
drwxrwxr-x 2 ubuntu ubuntu 4096 Apr 13 13:11 python3
:~/utec/programs $ cd c++
:~/utec/programs/c++ $ pico helloworld.cpp
:~/utec/programs/c++ $ ls -l
total 4
-rw-rw-r-- 1 ubuntu ubuntu 102 Apr 13 13:15 helloworld.cpp
:~/utec/programs/c++ $ g++ -o helloworld.exe helloworld.cpp
:~/utec/programs/c++ $ ls -l
total 16
-rw-rw-r-- 1 ubuntu ubuntu  102 Apr 13 13:15 helloworld.cpp
-rwxrwxr-x 1 ubuntu ubuntu 8928 Apr 13 13:16 helloworld.exe
:~/utec/programs/c++ $ ./hello.exe
-bash: ./hello.exe: No such file or directory
:~/utec/programs/c++ $ ./helloworld.exe
Hello, world!
:~/utec/programs/c++ $ _
```

```
:~/utec/programs $ :~/utec/programs $ ls -l
total 12
drwxrwxr-x 2 ubuntu ubuntu 4096 Apr 13 13:16 c++
drwxrwxr-x 2 ubuntu ubuntu 4096 Apr 13 13:11 node.js
drwxrwxr-x 2 ubuntu ubuntu 4096 Apr 13 13:11 python3
:~/utec/programs $ cd python3
:~/utec/programs/python3 $ pico helloworld.py
:~/utec/programs/python3 $ :~/utec/programs/python3 $ cat helloworld.py
print("Hello, world! from Luis' VM")
:~/utec/programs/python3 $ python3 helloworld.py
Hello, world! from Luis' VM
:~/utec/programs/python3 $ cd ..
:~/utec/programs $ cd node.js
:~/utec/programs/node.js $ pico helloworld.js
:~/utec/programs/node.js $ cat helloworld.js
console.log("Hello, world! from Luis' VM")
:~/utec/programs/node.js $ node helloworld.js
Hello, world! from Luis' VM
:~/utec/programs/node.js $ _
```

File transfer

```
drwxrwxr-x    5 ubuntu    ubuntu      4096 Apr 13 13:10 utec
sftp> cd utec
sftp> pwd
Remote working directory: /home/ubuntu/utec
sftp> ls -l
drwxrwxr-x    2 ubuntu    ubuntu      4096 Apr 13 13:09 containers
drwxrwxr-x    2 ubuntu    ubuntu      4096 Apr 13 13:10 homework
drwxrwxr-x    5 ubuntu    ubuntu      4096 Apr 13 13:11 programs
sftp> cd programs
sftp> cd python3
sftp> ls -l
-rw-rw-r--    1 ubuntu    ubuntu        37 Apr 13 13:24 helloworld.py
sftp> get helloworld.py
Fetching /home/ubuntu/utec/programs/python3/helloworld.py to helloworld.py
/home/ubuntu/utec/programs/python3/helloworld.py          100%   37      0.2KB/s   00:00
sftp> cd ..
sftp> pwd
Remote working directory: /home/ubuntu/utec/programs
sftp> cd ..
sftp> pwd
Remote working directory: /home/ubuntu/utec
sftp> get -r programs
Fetching /home/ubuntu/utec/programs/ to
Retrieving /home/ubuntu/utec/programs
Retrieving /home/ubuntu/utec/programs/node.js
/home/ubuntu/utec/programs/node.js/helloworld.js         100%   43      0.2KB/s   00:00
Retrieving /home/ubuntu/utec/programs/python3
/home/ubuntu/utec/programs/python3/helloworld.py         100%   37      0.2KB/s   00:00
Retrieving /home/ubuntu/utec/programs/c++
/home/ubuntu/utec/programs/c++/helloworld.cpp            100%  102      0.5KB/s   00:00
/home/ubuntu/utec/programs/c++/helloworld.exe            100% 8928     42.9KB/s   00:00
sftp> lpwd
Local working directory: c:\users\lenovo
sftp> put homework.txt
Uploading homework.txt to /home/ubuntu/utec/homework.txt
homework.txt                                             100%   12      0.1KB/s   00:00
sftp> ls -l
drwxrwxr-x    2 ubuntu    ubuntu      4096 Apr 13 13:09 containers
drwxrwxr-x    2 ubuntu    ubuntu      4096 Apr 13 13:10 homework
-rw-rw-r--    1 ubuntu    ubuntu        12 Apr 13 13:44 homework.txt
drwxrwxr-x    5 ubuntu    ubuntu      4096 Apr 13 13:11 programs
sftp> cat homework.txt
Invalid command.
sftp> ls -l
drwxrwxr-x    2 ubuntu    ubuntu      4096 Apr 13 13:09 containers
drwxrwxr-x    2 ubuntu    ubuntu      4096 Apr 13 13:10 homework
-rw-rw-r--    1 ubuntu    ubuntu        12 Apr 13 13:44 homework.txt
drwxrwxr-x    5 ubuntu    ubuntu      4096 Apr 13 13:11 programs
sftp>
```

```
C:\Windows\system32\cmd.exe                                          —    □    ✕

sftp> lpwd
Local working directory: c:\users\lenovo
sftp> put -r homework
Uploading homework/ to /home/ubuntu/utec/
Entering homework/
homework/file1.txt.txt                         100%    5      0.1KB/s    00:00
homework/file2.txt.txt                         100%    5      0.1KB/s    00:00
sftp> bye

C:\Users\LENOVO>_
```