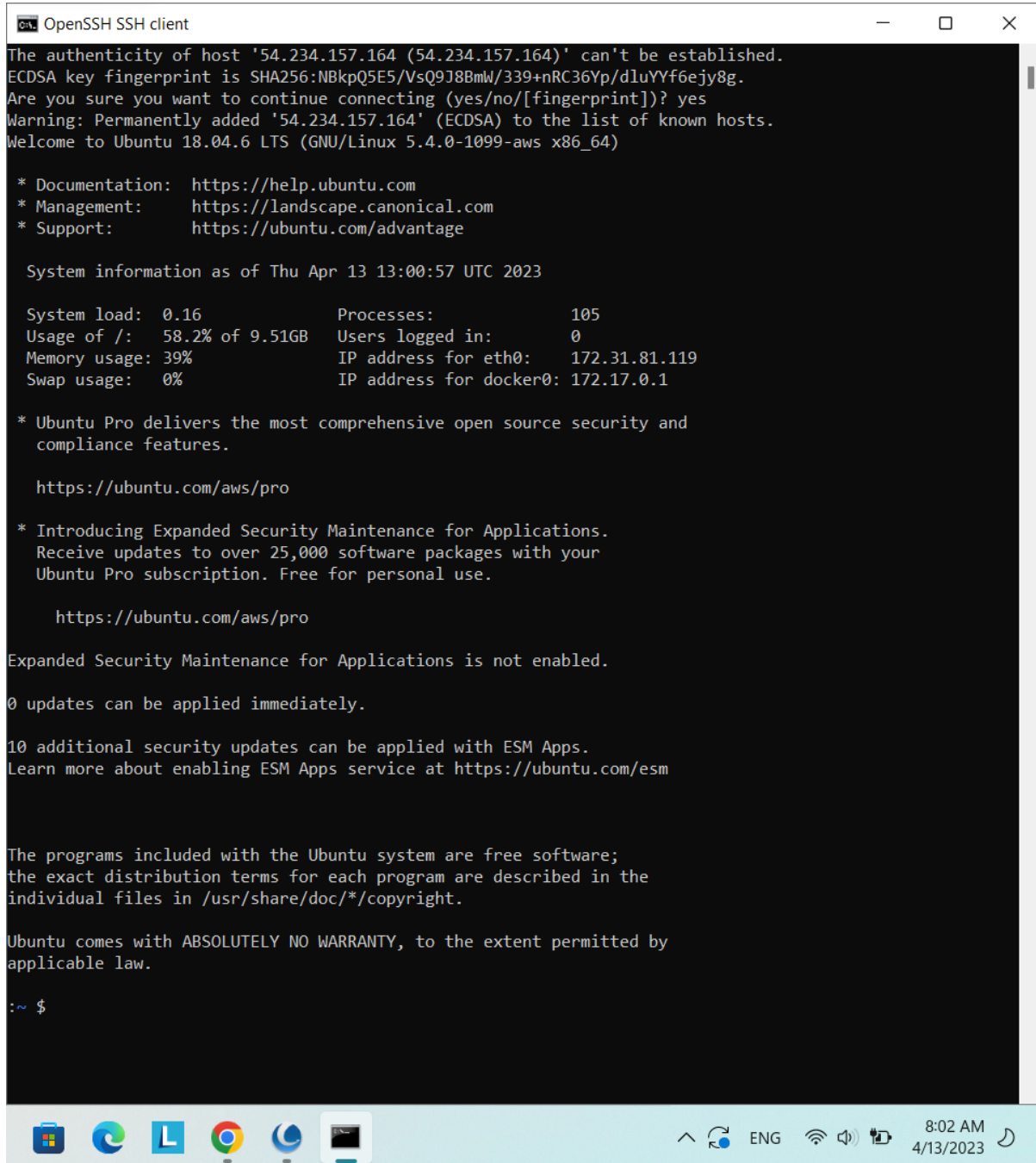


Padlet (Evaluación continua) - Semana 2 Taller 1

Alumno: [Luis Méndez Lázaro](#)

Accessing EC2 Instance



```
OpenSSH SSH client

The authenticity of host '54.234.157.164 (54.234.157.164)' can't be established.
ECDSA key fingerprint is SHA256:NBkpQ5E5/VsQ9J8BmW/339+nRC36Yp/dluYYf6ejy8g.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '54.234.157.164' (ECDSA) to the list of known hosts.
Welcome to Ubuntu 18.04.6 LTS (GNU/Linux 5.4.0-1099-aws x86_64)

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

System information as of Thu Apr 13 13:00:57 UTC 2023

System load:  0.16               Processes:            105
Usage of /:   58.2% of 9.51GB    Users logged in:     0
Memory usage: 39%               IP address for eth0:  172.31.81.119
Swap usage:   0%                IP address for docker0: 172.17.0.1

 * Ubuntu Pro delivers the most comprehensive open source security and
   compliance features.

   https://ubuntu.com/aws/pro

 * Introducing Expanded Security Maintenance for Applications.
   Receive updates to over 25,000 software packages with your
   Ubuntu Pro subscription. Free for personal use.

   https://ubuntu.com/aws/pro

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

10 additional security updates can be applied with ESM Apps.
Learn more about enabling ESM service at https://ubuntu.com/esm

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.

:~ $
```

Running basic Linux commands

OpenSSH SSH client

```
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++ $
```



ENG

8:18 AM
4/13/2023

```
OpenSSH SSH client
~/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

C:\Windows\system32\cmd.exe - sftp -i labsuser.pem ubuntu@54.234.157.164

```
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>
```



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```
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>
```

