Name: Ayesha Aziz
Roll Number: P17-6072
Section: B

System Administration Lab Task Part 2

Screenshot 1 — Terminal (aashii@ubuntu: ~)

```
aashii@ubuntu:~$ ssh awstest@ec2-3-17-39-235.us-east-2.compute.amazonaws.com
The authenticity of host 'ec2-3-17-39-235.us-east-2.compute.amazonaws.com (3.17.
39.235)' can't be established.
ECDSA key fingerprint is SHA256:7hmP3PmPzog5A/2sPabPfWDtzHPVqO64IMIZvS1hnLA.
Are you sure you want to continue connecting (yes/no)? yes
```


Screenshot 2 — Terminal (awstest@ip-172-31-47-72: ~)

```
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'ec2-3-17-39-235.us-east-2.compute.amazonaws.com,3.17
.39.235' (ECDSA) to the list of known hosts.
awstest@ec2-3-17-39-235.us-east-2.compute.amazonaws.com's password:
Welcome to Ubuntu 18.04.3 LTS (GNU/Linux 4.15.0-1057-aws x86_64)

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

System information disabled due to load higher than 1.0

 * Kubernetes 1.18 GA is now available! See https://microk8s.io for docs or
   install it with:

     sudo snap install microk8s --channel=1.18 --classic

 * Multipass 1.1 adds proxy support for developers behind enterprise
   firewalls. Rapid prototyping for cloud operations just got easier.

     https://multipass.run/

 * Canonical Livepatch is available for installation.
   - Reduce system reboots and improve kernel security. Activate at:
```

awstest@ip-172-31-47-72: ~/p176072

File Edit View Search Terminal Help

```
* Kubernetes 1.18 GA is now available! See https://microk8s.io for docs or
  install it with:

      sudo snap install microk8s --channel=1.18 --classic

* Multipass 1.1 adds proxy support for developers behind enterprise
  firewalls. Rapid prototyping for cloud operations just got easier.

      https://multipass.run/

* Canonical Livepatch is available for installation.
  - Reduce system reboots and improve kernel security. Activate at:
    https://ubuntu.com/livepatch

35 packages can be updated.
0 updates are security updates.


*** System restart required ***
Last login: Thu Apr 23 09:26:23 2020 from 111.119.185.8
awstest@ip-172-31-47-72:~$ mkdir p176072
awstest@ip-172-31-47-72:~$ cd p176072/
awstest@ip-172-31-47-72:~/p176072$
```

awstest@ip-172-31-47-72: ~/p176072

File Edit View Search Terminal Help

```python
import time
for i in range(1000):
    print("i: ", i, flush=True)
    time.sleep(i)
```

```
"p176072.py" 4L, 79C                          4,14-21        All
```

Trash

lafs
la␣OA␣O
A␣OA...

task

ayesha2.txt

task1

test.c

ayesha

ayessshhha
2

zip
message_
passing_
P17_6072...

```
awstest@ip-172-31-47-72: ~/p176072
File  Edit  View  Search  Terminal  Help
awstest@ip-172-31-47-72:~/p176072$ vi p176072.py
awstest@ip-172-31-47-72:~/p176072$ python3 p176072.py
i:  0
i:  1
i:  2
i:  3
i:  4
i:  5
i:  6
i:  7
i:  8
i:  9
i:  10
i:  11
i:  12
i:  13
i:  14
i:  15
i:  16
i:  17
i:  18
i:  19
i:  20
i:  21
```

Trash

lafs
la␣OA␣O
A␣OA...

task

ayesha2.txt

task1

test.c

ayesha

ayessshhha
2

zip
message_
passing_
P17_6072...

```
awstest@ip-172-31-47-72: ~
File  Edit  View  Search  Terminal  Help
* Kubernetes 1.18 GA is now available! See https://microk8s.io for docs or
  install it with:

      sudo snap install microk8s --channel=1.18 --classic

* Multipass 1.1 adds proxy support for developers behind enterprise
  firewalls. Rapid prototyping for cloud operations just got easier.

      https://multipass.run/

* Canonical Livepatch is available for installation.
  - Reduce system reboots and improve kernel security. Activate at:
    https://ubuntu.com/livepatch

35 packages can be updated.
0 updates are security updates.


*** System restart required ***
Last login: Thu Apr 23 14:03:32 2020 from 39.36.154.86
awstest@ip-172-31-47-72:~$ ps aux | grep p176072
awstest   1780  0.0  0.1  14856  1036 pts/0    S+   14:12   0:00 grep --color=au
to p176072
awstest@ip-172-31-47-72:~$
```

Terminal screenshot 1 (Thu 07:17):

```
awstest@ip-172-31-47-72:~$ cd p176072/
awstest@ip-172-31-47-72:~/p176072$ ls
p176072.py
awstest@ip-172-31-47-72:~/p176072$ nohup python3 p176072.py > p176072.log &
[1] 1925
awstest@ip-172-31-47-72:~/p176072$ nohup: ignoring input and redirecting stderr
to stdout
awstest@ip-172-31-47-72:~/p176072$ tail -f p176072.log
i: 28
i: 29
i: 30
i: 31
i: 32
i: 33
i: 34
i: 35
i: 36
i: 37
i: 38
i: 39
i: 40
i: 41
```


Terminal screenshot 2 (Thu 07:18):

```
i: 50
i: 51
i: 52
i: 53
i: 54
i: 55
i: 56
i: 57
i: 58
i: 59
i: 60
i: 61
i: 62
i: 63
i: 64
i: 65
i: 66
^C
awstest@ip-172-31-47-72:~/p176072$ ps aux | grep p176072
awstest   1925  0.1  0.9  30160  9204 pts/0    S    14:16   0:00 python3 p176072
.py
awstest   1957  0.0  0.1  14856  1148 pts/0    S+   14:18   0:00 grep --color=au
to p176072
awstest@ip-172-31-47-72:~/p176072$
```

Screenshot 1 — Terminal: awstest@ip-172-31-47-72: ~

```
        sudo snap install microk8s --channel=1.18 --classic

 * Multipass 1.1 adds proxy support for developers behind enterprise
   firewalls. Rapid prototyping for cloud operations just got easier.

       https://multipass.run/

 * Canonical Livepatch is available for installation.
   - Reduce system reboots and improve kernel security. Activate at:
     https://ubuntu.com/livepatch

35 packages can be updated.
0 updates are security updates.

*** System restart required ***
Last login: Thu Apr 23 14:14:56 2020 from 39.41.200.214
awstest@ip-172-31-47-72:~$ ps aux | grep p176072
awstest   1925  0.0  0.9  30160  9204 ?        S     14:16   0:00 python3 p176072
.py
awstest   2094  0.0  0.1  14856  1108 pts/0    S+    14:21   0:00 grep --color=au
to p176072
awstest@ip-172-31-47-72:~$
```


Screenshot 2 — Terminal: awstest@ip-172-31-47-72: ~/p176072

```
*** System restart required ***
Last login: Thu Apr 23 14:14:56 2020 from 39.41.200.214
awstest@ip-172-31-47-72:~$ ps aux | grep p176072
awstest   1925  0.0  0.9  30160  9204 ?        S     14:16   0:00 python3 p176072
.py
awstest   2094  0.0  0.1  14856  1108 pts/0    S+    14:21   0:00 grep --color=au
to p176072
awstest@ip-172-31-47-72:~$ cd p176072/
awstest@ip-172-31-47-72:~/p176072$ tail -f p176072.log
i:  353
i:  354
i:  355
i:  356
i:  357
i:  358
i:  359
i:  360
i:  361
i:  362
i:  363
i:  364
i:  365
^C
awstest@ip-172-31-47-72:~/p176072$
```

Trash   lafs la▯OA▯▯O A▯▯OA...

task

ayesha2.txt

task1

test.c

ayesha

ayessshhha 2

message_ passing_ P17_6072...

```
                      awstest@ip-172-31-47-72: ~/p176072                    _ □ ×
File  Edit  View  Search  Terminal  Help
awstest@ip-172-31-47-72:~/p176072$ tail -f p176072.log
i:  353
i:  354
i:  355
i:  356
i:  357
i:  358
i:  359
i:  360
i:  361
i:  362
i:  363
i:  364
i:  365
^C
awstest@ip-172-31-47-72:~/p176072$ ps aux | grep p176072
awstest   1925  0.0  0.9  30160  9204 ?        S    14:16   0:00 python3 p176072
.py
awstest   2130  0.0  0.1  14856  1032 pts/0    S+   14:23   0:00 grep --color=au
to p176072
awstest@ip-172-31-47-72:~/p176072$ kill -9 1925
awstest@ip-172-31-47-72:~/p176072$ ls
p176072.log  p176072.py
awstest@ip-172-31-47-72:~/p176072$
```

Trash   lafs la▯OA▯▯O A▯▯OA...

task

ayesha2.txt

task1

test.c

ayesha

ayessshhha 2

message_ passing_ P17_6072...

```
                        aashii@ubuntu: ~                          _ □ ×
File  Edit  View  Search  Terminal  Help
logout
Connection to ec2-3-17-39-235.us-east-2.compute.amazonaws.com closed.
aashii@ubuntu:~$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/aashii/.ssh/id_rsa): p176072
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in p176072.
Your public key has been saved in p176072.pub.
The key fingerprint is:
SHA256:JdUECspDHW+RfvcnK2EiltuNKKWrHq0SQwnpUw2ZoG8 aashii@ubuntu
The key's randomart image is:
+---[RSA 2048]----+
| o..*.o...o+.     |
|+  * o.o.+  .     |
|o...+  .= .       |
| +o  . ..o. .     |
| .E     So . .    |
| .o  .  = . o o . |
|   o. .+ = = . + |
|  .  oo o o o .   |
|    o+..o  . .    |
+----[SHA256]-----+
aashii@ubuntu:~$
```

ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDf/c1DrYPe28qEbJcMR/qoFK3OL5q7xYptw3ZBEHzC
/6M3xVXMzCByInGqptCHR23YrXMOf/FHU2asabFaoRN8nXp6rp6K4kK0VteC76N9qud98p98TKZwqo22
REqBqHelikC6A2EUz4GR8t7YqSR7/dEGCC1dzuRlA3+sei3g5QJT4yaeQGHNpQgKSIO8siDfRZYVowT/
iWy52weaDmUcvGxgimYXMegl0ESAc10CHsxU/O1058HLRUm/x6j22mwsFDWLK53p9rJtUi7T2NFyCWuM
pAC1Sn7oLMjNxPCs9EE3g+BIPsksLfFHuUUMEGT8dnoLY6Ex4GDisQ500ASF aashii@ubuntu

~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~

"p176072.pub" 1L, 395C   1,1   All

---

aashii@ubuntu:~$ shh-copy-id -i p176072 awstest@ec2-3-17-39-235.us-east-2.comput
e.amazonaws.com

Command 'shh-copy-id' not found, did you mean:

  command 'ssh-copy-id' from deb openssh-client

Try: sudo apt install <deb name>

aashii@ubuntu:~$ ssh-copy-id -i p176072 awstest@ec2-3-17-39-235.us-east-2.comput
e.amazonaws.com
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "p176072.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter
out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompt
ed now it is to install the new keys
awstest@ec2-3-17-39-235.us-east-2.compute.amazonaws.com's password:

ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDHsAUQN7CvVp0zfqWclLjnRN/ZPxTNTFBIDpnFQaD7
hObOXmxQ5TjHINGH89b50q1P1Dbx333fQSGGR6Up0crX1TmMohBYEdmU3+sdR0FSUt/SfePUyYnHy/AJ
E3fKoy8DbmWJ/HyvfxvYczLjETOBTFGbeXYEfkZwsSUYBIRsciYiC4CvFNtZrDw1rffW6Hwk2yaTKufX
NQEeJ7skjURGjKiRALqXXj+iGLHz1ERiFe6QIBYqMqtuPIkindj1bXAXxMbB/TJjxBqPWTmK2e47SbHX
kelhb1wrANvyP3D+UILoJLIe8qZdgx8o/g+M85IzLHIsRhWgH/JJEUoE63rf muhammad@muhammad-H
P-EliteBook-8440p
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABgQDAktiziPxPXBrZtjSpIK9B7qnuo0UU8dwSwdYUZ+OU
P8e6YjiGxgQle+cGiO4d0owY92SEelzjxCy/oJxJmIYMAePtJ7ON/11vKgnsJ1vDBdQVLGIEoZEKou7D
yFA6FsNK7NXH9TvdTHTspLgeWPVQtzn990JEE3SJruwWSy8m9ZKBF16wQlaEC8fGqv97462s1452LL5o
Zoy/IeCXgcCwhg8OX+1N+ON+pWSzCp2QVdwVwtH1KpoRYvtliehfWvcyK0jDbnLhrqYhvCLUjQ5cJkCX
HA6OagRnq+gmprzTWSqF2KZfYSDjpJTYkw9z0073u5sW0YCfjfmsTsavtNS4qsAVOgDRtLaDJaVOalh/
JT1rqrNDLIpnGle7okjBvi0TJttiYHgthx3K8kJd3J4oM4vR3ROG5D/HAw3kWYvnv1LoOXREt0oEZhA2
zyRNUnP6SIlimWF1UYSRHwoZZNqy3tsN7FbdnT0ouvg2zBPhDVljH+F3oKfEleeRdd3KLEk= inf3rna
lgladiux@INF3RNALgladiuX
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDf/c1DrYPe28qEbJcMR/qoFK30L5q7xYptw3ZBEHzC
/6M3xVXMzCByInGqptCHR23YrXMOf/FHU2asabFaoRN8nXp6rp6K4kK0VteC76N9qud98p98TKZwqo22
REqBqHellkC6A2EUz4GR8t7Yq5R7/dEGCC1dzuRlA3+sei3g5QJT4yaeQGHNpQgK5IO8slDfRZYVowT/
iWy52weaDmUcvGxgimYXMegl0ESAc10CHsxU/O1058HLRUm/x6j22mwsFDWLK53p9rJtUi7T2NFyCWuM
pAC15n7oLMjNxPCs9EE3g+BIPsksLfFHuUUMEGT8dnoLY6Ex4GDisQ500ASF aashii@ubuntu
~
~
~
~
~
~
"~/.ssh/authorized_keys" 23L, 9443C   22,393   Bot