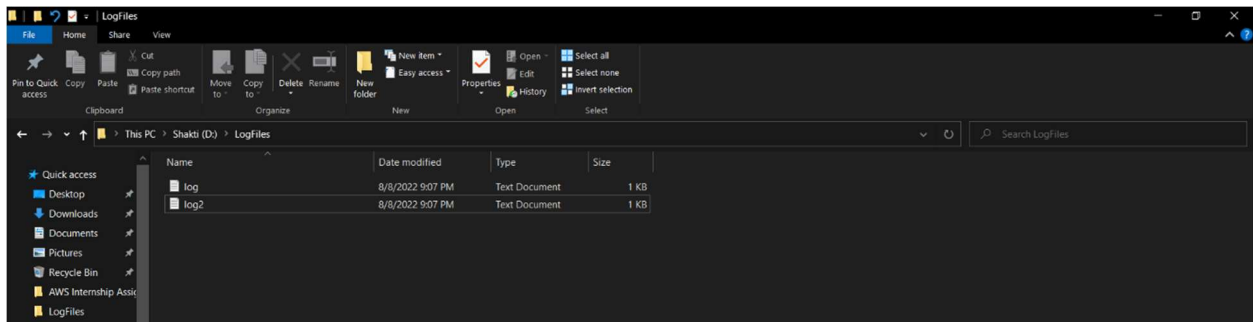


LINUX COMMANDS

HOW TO ADD A USER AND COPY FILES FROM YOUR LOCAL SERVER[Laptop] TO REMOTE SERVER[Ubuntu]

Server1[Local-Laptop]

Suppose these are the two log files I want to transfer it to another server



Server2 [Remote server-Ubuntu]

cat /etc/passwd : -To show list of users

```
ubuntu@ip-172-31-9-246:~$ sudo su
root@ip-172-31-9-246:/home/ubuntu# cd
root@ip-172-31-9-246:~# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin)/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:100:102:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin
systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin
messagebus:x:102:105:/:nonexistent:/usr/sbin/nologin
systemd-timesync:x:103:106:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
syslog:x:104:111:/:home/syslog:/usr/sbin/nologin
_apt:x:105:65534:/:nonexistent:/usr/sbin/nologin
tss:x:106:112:TPM software stack,,,:/var/lib/tpm:/bin/false
uiddd:x:107:113:/:run/uiddd:/usr/sbin/nologin
tendump:x:108:114:/:nonexistent:/usr/sbin/nologin
sshd:x:109:65534:/:run/sshd:/usr/sbin/nologin
pollinate:x:110:1:/:var/cache/pollinate:/bin/false
landscape:x:111:116:/:var/lib/landscape:/usr/sbin/nologin
ec2-instance-connect:x:112:65534:/:nonexistent:/usr/sbin/nologin
_chrony:x:113:120:Chrony daemon,,,:/var/lib/chrony:/usr/sbin/nologin
ubuntu:x:1000:1000:ubuntu:/home/ubuntu:/bin/bash
Lxd:x:999:100:/:var/snap/lxd/common/Lxd:/bin/false
root@ip-172-31-9-246:~#
```

How To add a New User

useradd -d /home/user-1 -s "/bin/bash" -c "comment" -m user1 :-To create a user

su - user1 :- To switch User

```
To add the current session, click on the left arrow button.
1 ec2-15-207-115-49.ap-sou...
root@ip-172-31-9-246:~# useradd -d /home/user-1 -s "/bin/bash" -c "comment" -m user1
root@ip-172-31-9-246:~# su - user1
user1@ip-172-31-9-246:~$
```

How to Create a password for user

Got to root and type

Passwd user1 :- to create a password

```
To add the current session, click on the left arrow button.
1 ec2-15-207-115-49.ap-sou...
root@ip-172-31-9-246:~# passwd user1
New password:
Retype new password:
passwd: password updated successfully
root@ip-172-31-9-246:~#
```

Go inside user1 and create a log folder

After that enable all user access

```
ec2-15-207-115-49.ap-south-1.compute.amazonaws.com:22 - user1@ip-172-31-9-246: ~ - Xshell 7 (free for Home/School)
File Edit View Tools Tab Window Help
ssh/ubuntu@ec2-15-207-115-49.ap-south-1.compute.amazonaws.com:22
To add the current session, click on the left arrow button.
1 ec2-15-207-115-49.ap-sou...
user1@ip-172-31-9-246:~$ ls -lrt
total 4
drwxrwxr-x 2 user1 user1 4096 Aug  8 16:05 log
user1@ip-172-31-9-246:~$ chmod 777 log
user1@ip-172-31-9-246:~$ ls -lrt
total 4
drwxrwxr-x 2 user1 user1 4096 Aug  8 16:05 log
user1@ip-172-31-9-246:~$
```

Now give read write and execute permission to others in users1

```
ec2-15-207-115-49.ap-south-1.compute.amazonaws.com:22 - user1@ip-172-31-9-246:/home - Xshell 7 (Free for Home/School)
File Edit View Tools Tab Window Help
ssh://ubuntu@ec2-15-207-115-49.ap-south-1.compute.amazonaws.com:22
To add the current session, click on the left arrow button.
1 ec2-15-207-115-49.ap-so...
user1@ip-172-31-9-246:/home$ ls -lrt
total 12
drwxr-x--- 4 ubuntu ubuntu 4096 Aug  8 15:39 ubuntu
drwxr-x--- 2 user2 user2 4096 Aug  8 16:01 user2
drwxr-x--- 3 user1 user1 4096 Aug  8 16:05 user-1
user1@ip-172-31-9-246:/home$ chmod o+rx user-1
user1@ip-172-31-9-246:/home$ chmod o+rx user-1
user1@ip-172-31-9-246:/home$ ls -lrt
total 12
drwxr-x--- 4 ubuntu ubuntu 4096 Aug  8 15:39 ubuntu
drwxr-x--- 2 user2 user2 4096 Aug  8 16:01 user2
drwxr-xrwx 3 user1 user1 4096 Aug  8 16:05 user-1
user1@ip-172-31-9-246:/home$
```

After that using scp command transfer all files to another server folder

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19043.1826]
(c) Microsoft Corporation. All rights reserved.

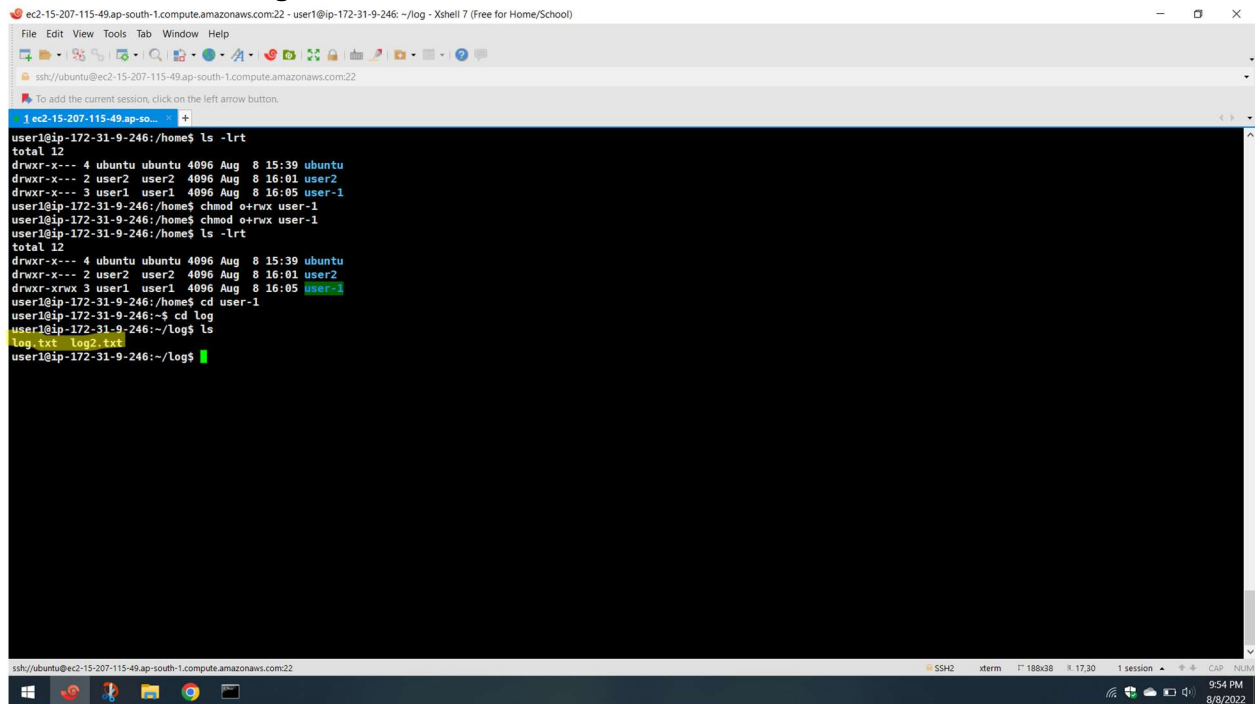
D:\>scp -i C:\Users\shank\Downloads\Ubuntul-key.pem Logfiles/*.txt ubuntu@ec2-15-207-115-49.ap-south-1.compute.amazonaws.com:/home/user-1/log
scp: /home/user-1/log: Permission denied

D:\>scp -i C:\Users\shank\Downloads\Ubuntul-key.pem Logfiles/*.txt ubuntu@ec2-15-207-115-49.ap-south-1.compute.amazonaws.com:/home/user-1/log
log.txt          100% 9      0.2KB/s   00:00
log2.txt         100% 10     0.2KB/s   00:00

D:\>scp -i C:\Users\shank\Downloads\Ubuntul-key.pem Logfiles/*.txt ubuntu@ec2-15-207-115-49.ap-south-1.compute.amazonaws.com:/home/user-1/log
log.txt          100% 9      0.1KB/s   00:00
log2.txt         100% 10     0.2KB/s   00:00

D:\>
```

Now check inside log files here two text files are there.



The screenshot shows an Xshell terminal window with a menu bar (File, Edit, View, Tools, Tab, Window, Help) and a toolbar. The title bar reads "ec2-15-207-115-49.ap-south-1.compute.amazonaws.com22 - user1@ip-172-31-9-246: ~/log - Xshell 7 (Free for Home/School)". The terminal content shows a user running 'ls -lrt' in the home directory, displaying a file listing with permissions, user, group, size, date, and filename. The user then runs 'cd log' and 'ls' in the log directory, showing two files: 'log.txt' and 'log2.txt'. The terminal window has a status bar at the bottom showing 'SSH2', 'xterm', 'T: 188x38', '9.17.30', '1 session', and 'CAP: NUM'. The system tray at the bottom right shows the time '9:54 PM' and date '8/8/2022'.

```
ec2-15-207-115-49.ap-south-1.compute.amazonaws.com22 - user1@ip-172-31-9-246: ~/log - Xshell 7 (Free for Home/School)
File Edit View Tools Tab Window Help
ssh://ubuntu@ec2-15-207-115-49.ap-south-1.compute.amazonaws.com22
To add the current session, click on the left arrow button.
1 ec2-15-207-115-49.ap-so...
user1@ip-172-31-9-246:~/home$ ls -lrt
total 12
drwxr-x--- 4 ubuntu ubuntu 4096 Aug  8 15:39 ubuntu
drwxr-x--- 2 user2 user2 4096 Aug  8 16:01 user2
drwxr-x--- 3 user1 user1 4096 Aug  8 16:05 user-1
user1@ip-172-31-9-246:~/home$ chmod o+rx user-1
user1@ip-172-31-9-246:~/home$ chmod o+rx user-1
user1@ip-172-31-9-246:~/home$ ls -lrt
total 12
drwxr-x--- 4 ubuntu ubuntu 4096 Aug  8 15:39 ubuntu
drwxr-x--- 2 user2 user2 4096 Aug  8 16:01 user2
drwxr-xrwx 3 user1 user1 4096 Aug  8 16:05 user-1
user1@ip-172-31-9-246:~/home$ cd user-1
user1@ip-172-31-9-246:~$ cd log
user1@ip-172-31-9-246:~/log$ ls
log.txt  log2.txt
user1@ip-172-31-9-246:~/log$
```