

CYSE 270: Linux System for Cybersecurity

Assignment 2

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Tasks 1-5

```
(matthew-f@kali)-[~/etc/skel]
└─$ pwd
/etc/skel

(matthew-f@kali)-[~/etc/skel]
└─$ cd /etc

(matthew-f@kali)-[~/etc]
└─$ cd /etc/skel

(matthew-f@kali)-[~/etc/skel]
└─$ cd

(matthew-f@kali)-[~]
└─$
```

Tasks 6

```
bluetooth          group          machchanger      protocols        subversion
ca-certificates   ca-certificates.group- grub.d           machine-id      sudo.conf
ca-certificates.conf gshadow       magic            magic           sudoers
chatscripts       gshadow       magic.mime       manpath.config python2.7       sudoers.d
chromium          gss           matplotlibrc    mime.types     python3         sudo_logsrvd.conf
chromium.d       gtk-2.0      minicon         miredo         python3.13     supercat
cifs-utils       gtk-3.0      miredo         mke2fs.conf   rc0.d          sv
cloud            guymager     ModemManager   modprobe.d    rc0.d          sysctl.d
colord           gvmm         modules         mosquitto     rc1.d          sysstat
console-setup    hdparm.conf  modprobe.d     motd           rc2.d          systemd
cracklib         host.conf    modules-load.d  motd           rc3.d          terminfo
credstore        hostname     modules-load.d  mtab           rc4.d          texmf
credstore.encrypted host.name     mosquitto      mysql          rc5.d          theharvester
cron.d           hosts        modules-load.d  nanorc        rc5.d          tightvncserver.conf
cron.daily       hosts.allow  mosquitto      netconfig     rc6.d          timidity
cron.hourly      hosts.deny   motd           network       rc6.d          tmpfiles.d
cron.monthly     idmapd.conf  mtab           NetworkManager request-key.d  ts.conf
crontab         ifplugd     mysql          nfs.conf      redis          ucf.conf
cron.weekly     ImageMagick-7 inetsim        netconf       request-key.conf udev
cron.yearly     initsm      netsniff-ng    network       responder     udisks2
cryptsetup-initramfs init.d       NetworkManager networks       rmt           ufw
cryptsetup-nuke-password inputrc     nftables.conf nginx          resolv.conf   unicornsca
crypttab        insserv.conf.d ipp-usb       nfs.conf      responder     updatedb.conf
cupshelpers     ipsec.conf  ipsec.secrets  nftables.conf rmt           update-motd.d
dbus-1          ipsec.d      issue          nftables.conf rpm           UPower
dconf          ipsec.net    issue.net      nftables.conf samba          usb_modeswitch.conf
debcnf.conf    java-21-openjdk john          nftables.conf samba.d        vconsole.conf
debian_version insec.d      java-21-openjdk kernel         scalpel       vdpau_wrapper.cfg
default        insec.secrets issue.net      nftables.conf screenrc      vim
deluser.conf   issue       java-21-openjdk kismet       sddm.conf.d  wpa_supplicant
depmod.d       issue.net   john           kernel-menu   searchsploit_rc security     X11
dhcp          kismet     kali-menu     kernel        sensors3.conf sensors.d     xattr.conf
dhcpcd.conf   kismet     kernel        keyutils     services     sgm1        xdg
dictionary-common dns2tpd.conf doc-base     opencs        shadow       sgml         xfce4
dictionaries-common doc-base    dpkg          ld.so.cache  shadow-      xml
environment    dpkg        e2scrub.conf  ld.so.conf   shells       xrdp
environment.d   dpkg        e2scrub.conf  ld.so.conf.d legion.conf  skel         zsh
etherypes      dpkg        e2scrub.conf  libao.conf   os-release   smartd.conf  zsh_command_not_found
ettercap       dpkg        e2scrub.conf  libaudit.conf pam.conf     smartmontools smi.conf
firebird       dpkg        e2scrub.conf  libblockdev  pam.d
```

Task 7

```

File  Actions  Edit  View  Help
-rw-r--r--  1 root    root    4337 May  4 11:48 sudo.conf
-r--r-----  1 root    root    1714 May  4 11:48 sudoers
drwxr-xr-x  2 root    root    4096 Aug 27 15:03 sudoers.d
-rw-r--r--  1 root    root    9804 May  4 11:48 sudo_logsrvd.conf
drwxr-xr-x  2 root    root    4096 Aug 27 14:41 supercat
drwxr-xr-x  4 root    root    4096 Aug 27 14:43 sv
drwxr-xr-x  2 root    root    4096 Aug 27 14:41 sysctl.d
drwxr-xr-x  2 root    root    4096 Aug 27 14:56 sysstat
drwxr-xr-x  5 root    root    4096 Aug 27 14:50 systemd
drwxr-xr-x  2 root    root    4096 Aug 27 14:41 terminfo
drwxr-xr-x  8 root    root    4096 Aug 27 14:50 texmf
drwxr-xr-x  3 root    root    4096 Aug 27 15:01 theHarvester
-rw-r--r--  1 root    root    1493 Jul  5 2024 tightvncserver.conf
drwxr-xr-x  2 root    root    4096 Aug 27 14:56 timidity
drwxr-xr-x  2 root    root    4096 Aug 27 14:50 tmpfiles.d
-rw-r--r--  1 root    root     938 Sep  9 2019 ts.conf
-rw-r--r--  1 root    root    1259 Mar 31 05:25 ucf.conf
drwxr-xr-x  4 root    root    4096 Aug 27 14:41 udev
drwxr-xr-x  2 root    root    4096 Aug 27 15:02 udisks2
drwxr-xr-x  3 root    root    4096 Aug 27 14:43 ufw
drwxr-xr-x  2 root    root    4096 Aug 27 14:56 unicornscan
-rw-r--r--  1 root    root     583 Nov 21 2022 updatedb.conf
drwxr-xr-x  2 root    root    4096 Aug 27 14:41 update-motd.d
drwxr-xr-x  2 root    root    4096 Aug 27 15:00 UPower
-rw-r--r--  1 root    root    1523 Feb  1 2025 usb_modeswitch.conf
drwxr-xr-x  2 root    root    4096 May 24 2024 usb_modeswitch.d
lrwxrwxrwx  1 root    root     16 Aug 27 14:41 vconsole.conf → default/keyboard
-rw-r--r--  1 root    root     51 Mar  7 2022 vdpau_wrapper.cfg
drwxr-xr-x  2 root    root    4096 Aug 27 14:41 vim
drwx-----  2 root    root    4096 Aug 27 14:59 vpng
drwxr-xr-x  5 root    root    4096 Aug 27 14:43 vulkan
-rw-r--r--  1 root    root    4942 Mar  8 2025 wgetrc
drwxr-xr-x  2 root    root    4096 Apr 17 16:48 wireshark
drwxr-xr-x  2 root    root    4096 Aug 27 14:59 wpa_supplicant
drwxr-xr-x 11 root    root    4096 Aug 27 15:01 X11
-rw-r--r--  1 root    root     681 Feb 21 2025 xattr.conf
drwxr-xr-x 17 root    root    4096 Aug 27 15:01 xdg
drwxr-xr-x  2 root    root    4096 Aug 27 15:02 xfce4
drwxr-xr-x  2 root    root    4096 Aug 27 15:03 xml
drwxr-xr-x  2 root    root    4096 Aug 27 14:50 xrdp
drwxr-xr-x  2 root    root    4096 Aug 27 14:50 zsh
-rw-r--r--  1 root    root     460 Jan 20 2023 zsh_command_not_found

```

Tasks 8

```

(matthew-f@kali)-[~/etc]
└─$ ls -d s*
samba          security      shadow       smi.conf     sslsplit     subuid       sudo_logsrvd.conf
sane.d         selinux      shadow-     snmp         strongswan.conf subuid-     supercat
scalpel        sensors3.conf shells      speech-dispatcher strongswan.d  subversion  sv
screenrc       sensors.d    skel        sqlmap       stunnel      sudo.conf   sysctl.d
sddm.conf.d    services     smartd.conf ssh          subgid      sudoers     sysstat
searchsploit_rc sgml         smartmontools ssl          subgid-     sudoers.d   systemd

```

Task 9

```
(matthew-f@kali)-[/etc]
└─$ file /etc/group
/etc/group: ASCII text
```

Task 10

```
colord:x:131:
kali-trusted:x:132:
matthew-f:x:1000:
vboxsf:x:133:matthew-f
kaboxer:x:134:matthew-f
```

Tasks 11 – 14

```
(matthew-f@kali)-[/etc]
└─$ cd

(matthew-f@kali)-[~]
└─$ mkdir data

(matthew-f@kali)-[~]
└─$ cp /etc/passwd data

(matthew-f@kali)-[~]
└─$ cp /etc/ppp ~
cp: -r not specified; omitting directory '/etc/ppp'
```

Tasks 15 – 16

```
(matthew-f@kali)-[~]
└─$ mv ppp peers

(matthew-f@kali)-[~]
└─$ ls
apple.txt  banana.txt  data  Desktop  Downloads  file1.txt,  Music  Pictures  Public  Videos
apricot.txt  cyse270.txt  demo.txt  Documents  file1  file2  peers  practive_folder  Templates
```

Tasks 17 – 20

```
(matthew-f@kali)-[~]
└─$ cd data

(matthew-f@kali)-[~/data]
└─$ touch test

(matthew-f@kali)-[~/data]
└─$ ls
passwd test

(matthew-f@kali)-[~/data]
└─$ rm passwd

(matthew-f@kali)-[~/data]
└─$ rm peers
rm: cannot remove 'peers': No such file or directory

(matthew-f@kali)-[~/data]
└─$ ls
test

(matthew-f@kali)-[~/data]
└─$ cd

(matthew-f@kali)-[~]
└─$ ls
apple.txt  banana.txt  data      Desktop  Downloads  file1.txt,  Music  practive_folder  Templates
apricot.txt  cyse270.txt  demo.txt  Documents  file1      file2      Pictures  Public          Videos
```

For Task 19, I had to retake a screenshot as I saw I made a mistake with putting y directories in the ~ instead of /etc, however when trying to fix this issue I kept coming across “mv: cannot move ‘ppp’ to “Peers”: Permission denied”.