

CYSE 270: Linux System for Cybersecurity

Assignment Lab 2 – Working with Command Line

1

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```
(jayden-goldsmith@kali)-[~]
$ pwd
/home/jayden-goldsmith
```

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```
(jayden-goldsmith@kali)-[~]
$ cd /etc
```

4

```
(jayden-goldsmith@kali)-[/etc]
$ cd skel
```

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```
(jayden-goldsmith@kali)-[/etc/skel]
$ cd ..
```

6

```
(jayden-goldsmith@kali)-[/etc]
$ ls
adduser.conf      doc-base          ipsec.conf         mosquitto          python3.13         stunnel
alternatives      dpkg               ipsec.d            motd               radcli             subgid
apache2           e2scrub.conf       ipsec.secrets      mtab               rc0.d              subgid-
apparmor          eac                issue              mysql              rc1.d              subuid
apparmor.d        emacs              issue.net          nanorc             rc2.d              subuid-
apt               environment         java-21-openjdk    netconfig          rc3.d              subversion
arp-scan          environment.d       john               netsniff-ng        rc4.d              sudo.conf
avahi             ethertypes         kali-menu          network            rc5.d              sudoers
bash.bashrc       ettercap           kernel             NetworkManager    rc6.d              sudoers.d
```

7

```
(jayden-goldsmith@kali)-[/etc]
$ ls -l
total 1508
-rw-r--r-- 1 root root 3981 May 6 14:25 adduser.conf
drwxr-xr-x 2 root root 20480 Aug 28 12:17 alternatives
drwxr-xr-x 8 root root 4096 Aug 28 12:16 apache2
drwxr-xr-x 2 root root 4096 Aug 28 12:03 apparmor
drwxr-xr-x 9 root root 4096 Aug 28 12:16 apparmor.d
drwxr-xr-x 8 root root 4096 Aug 28 12:20 apt
drwxr-xr-x 2 root root 4096 Aug 28 12:12 arp-scan
drwxr-xr-x 3 root root 4096 Aug 28 12:15 avahi
-rw-r--r-- 1 root root 1997 May 19 14:11 bash.bashrc
-rw-r--r-- 1 root root 45 Jan 11 2025 bash_completion
drwxr-xr-x 2 root root 4096 Aug 28 12:16 bash_completion.d
-rw-r--r-- 1 root root 367 Mar 14 18:56 bindresvport.blacklist
drwxr-xr-x 2 root root 4096 Apr 7 13:39 binfmt.d
drwxr-xr-x 2 root root 4096 Aug 28 12:15 bluetooth
drwxr-xr-x 3 root root 4096 Aug 28 12:05 ca-certificates
-rw-r--r-- 1 root root 6422 Aug 28 12:13 ca-certificates.conf
drwxr-xr-x 2 root root 4096 Aug 28 12:13 chatscripts
drwxr-xr-x 2 root root 4096 Aug 28 12:12 chromium
drwxr-xr-x 2 root root 4096 Aug 28 12:16 chromium.d
drwxr-xr-x 2 root root 4096 Aug 28 12:14 cifs-utils
drwxr-xr-x 3 root root 4096 Aug 28 12:09 cloud
drwxr-xr-x 2 root root 4096 Aug 31 14:37 colord
drwxr-xr-x 2 root root 4096 Aug 28 12:04 console-setup
drwxr-xr-x 2 root root 4096 Aug 28 12:13 cracklib
drwxr-xr-x 2 root root 4096 Apr 7 13:39 credstore
drwxr-xr-x 2 root root 4096 Apr 7 13:39 credstore.encrypted
drwxr-xr-x 2 root root 4096 Aug 28 12:14 cron.d
drwxr-xr-x 2 root root 4096 Aug 28 12:16 cron.daily
drwxr-xr-x 2 root root 4096 Aug 28 12:03 cron.hourly
drwxr-xr-x 2 root root 4096 Aug 28 12:03 cron.monthly
-rw-r--r-- 1 root root 1042 Apr 6 14:47 crontab
drwxr-xr-x 2 root root 4096 Aug 28 12:15 cron.weekly
drwxr-xr-x 2 root root 4096 Aug 28 12:03 cron.yearly
drwxr-xr-x 2 root root 4096 Aug 28 12:17 cryptsetup-initramfs
drwxr-xr-x 2 root root 4096 Apr 10 16:09 cryptsetup-ntfs
-rw-r--r-- 1 root root 54 Aug 28 12:07 crypttab
drwxr-xr-x 2 root root 4096 Aug 28 12:16 cupshelpers
drwxr-xr-x 4 root root 4096 Aug 28 12:05 dbus-1
drwxr-xr-x 3 root root 4096 Aug 28 12:05 dconf
-rw-r--r-- 1 root root 2967 Mar 10 08:07 debconf.conf
-rw-r--r-- 1 root root 13 May 15 21:57 debian_version
drwxr-xr-x 3 root root 4096 Aug 28 12:19 default
-rw-r--r-- 1 root root 1706 May 6 14:25 deluser.conf
drwxr-xr-x 2 root root 4096 May 13 14:26 depmod.d
drwxr-xr-x 3 root root 4096 Aug 28 12:06 dhcp
-rw-r--r-- 1 root root 1275 Apr 20 05:05 dhcpcd.conf
drwxr-xr-x 2 root root 4096 Aug 28 12:17 dictionaries-common
-rw-r--r-- 1 root root 214 Apr 4 2020 dns2tcpd.conf
```

Jayden Goldsmith

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

9 (jayden-goldsmith@kali)-[/etc]
$ file /etc/group
/etc/group: ASCII text

10 (jayden-goldsmith@kali)-[/etc]
$ cat /etc/group | tail -5
colord:x:131:
kali-trusted:x:132:
jayden-goldsmith:x:1000:
vboxsf:x:133:jayden-goldsmith
kaboxer:x:134:jayden-goldsmith

11 (jayden-goldsmith@kali)-[/etc]
$ cd ~
```

```
12 (jayden-goldsmith@kali)-[~]
$ mkdir data

13 (jayden-goldsmith@kali)-[~]
$ cp /etc/passwd data/

14 (jayden-goldsmith@kali)-[~]
$ cp -r /etc/ppp .
cp: cannot open '/etc/ppp/pap-secrets' for reading: Permission denied
cp: cannot open '/etc/ppp/chap-secrets' for reading: Permission denied

15 (jayden-goldsmith@kali)-[~]
$ mv ppp peers

16 (jayden-goldsmith@kali)-[~]
$ ls
apple.txt  backup  blueberry.txt  cranberry.txt  demo.tx  Desktop  dir2  Documents  file3  Music  peers  practice_folder  Templates
apricot.txt  banana.txt  cherry.txt  data  demo.txt  dir1  dir3  Downloads  file.txt  new_folder  Pictures  Public  Videos

17 (jayden-goldsmith@kali)-[~]
$ cd data/

18 (jayden-goldsmith@kali)-[~/data]
$ touch test
$ rm passwd
```

```
19 (jayden-goldsmith@kali)-[~/data]
$ rm peers
rm: cannot remove 'peers': No such file or directory

20 (jayden-goldsmith@kali)-[~/data]
$ ls
test
```