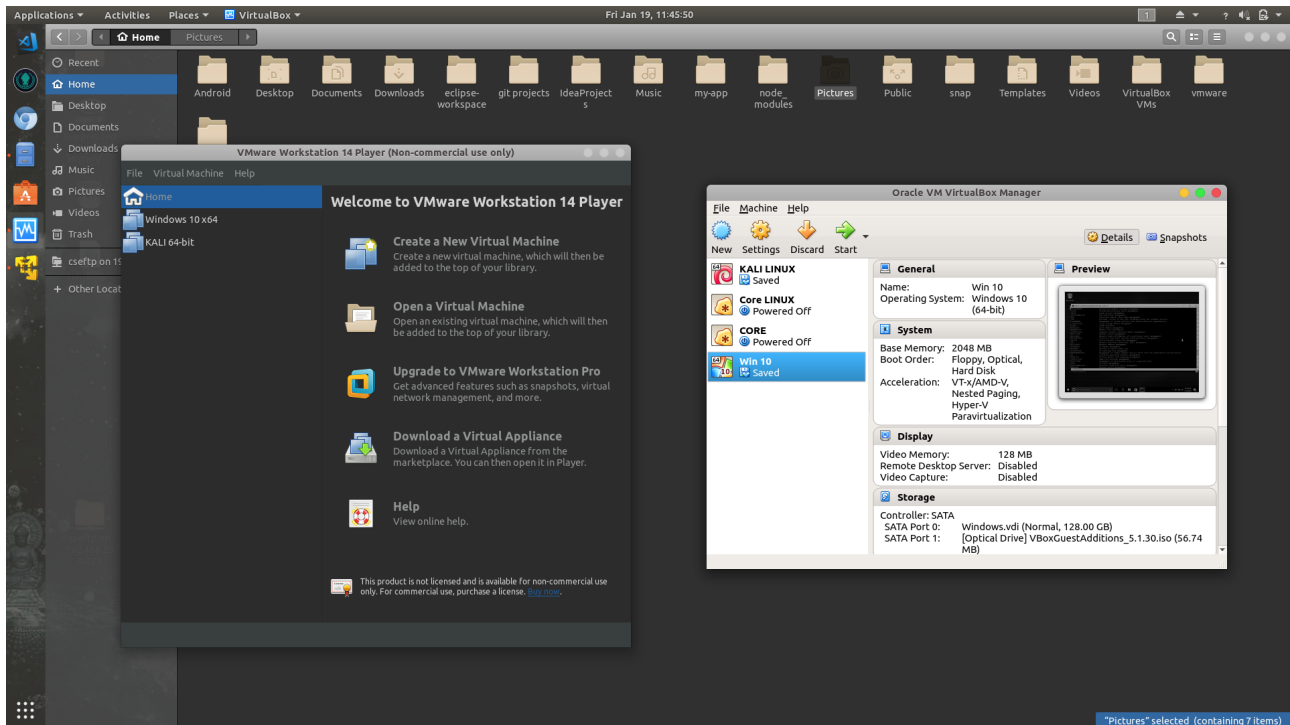# ETHICAL HACKING AND CYBER LAWS
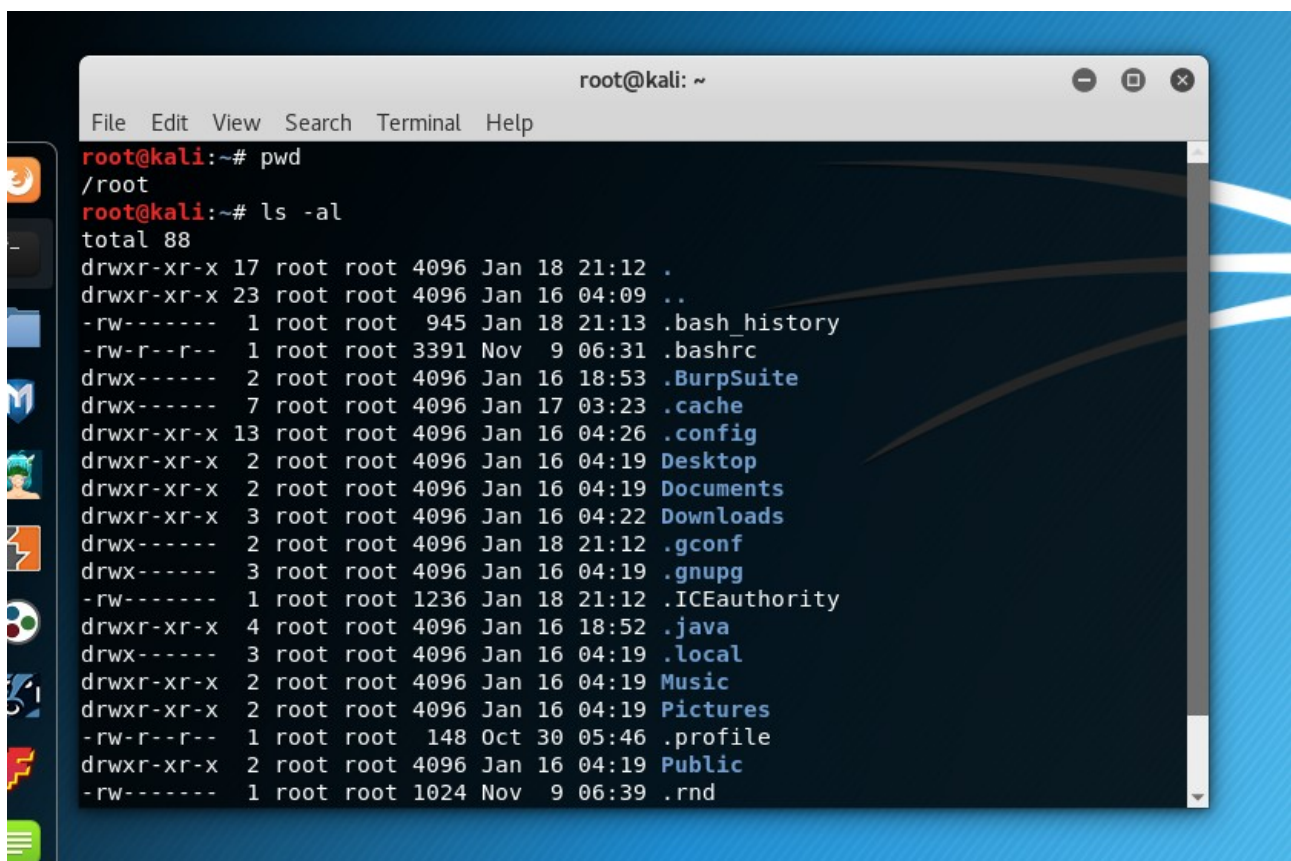## Assignment – I & II
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Assignment I – Setting up Lab

Assignment II – Learn LINUX commands

File   Edit   View   Search   Terminal   Help

```
root@kali:~# cd Desktop
root@kali:~/Desktop# cd ..
root@kali:~# cd /root/Desktop/
root@kali:~/Desktop# cd ../Documents/
root@kali:~/Documents# ls
root@kali:~/Documents# mkdir test
root@kali:~/Documents# ls
test
root@kali:~/Documents# "HELLO IAM PAVAN" > File1.txt
bash: HELLO IAM PAVAN: command not found
root@kali:~/Documents# cp "HELLO IAM PAVAN" > File1.txt
cp: missing destination file operand after 'HELLO IAM PAVAN'
Try 'cp --help' for more information.
root@kali:~/Documents# echo "HELLO IAM PAVAN" > File1.txt
root@kali:~/Documents# cat File1.txt
HELLO IAM PAVAN
root@kali:~/Documents# cp File1.txt File1COPY.txt
root@kali:~/Documents# ls
File1COPY.txt   File1.txt   test
root@kali:~/Documents# mv File1
File1COPY.txt   File1.txt
root@kali:~/Documents# mv File1.txt /test/MOVED.txt
mv: cannot move 'File1.txt' to '/test/MOVED.txt': No such file or directory
root@kali:~/Documents# mv File1.txt "/test/MOVED.txt"
mv: cannot move 'File1.txt' to '/test/MOVED.txt': No such file or directory
root@kali:~/Documents# mv File1.txt /test/
mv: cannot move 'File1.txt' to '/test/': Not a directory
root@kali:~/Documents# mv File1.txt test/MOVED.txt
root@kali:~/Documents# ls
File1COPY.txt   test
root@kali:~/Documents# rm File1C*
root@kali:~/Documents# ls
test
root@kali:~/Documents# cd test
root@kali:~/Documents/test# ls
MOVED.txt
root@kali:~/Documents/test# rm *
root@kali:~/Documents/test# ls
root@kali:~/Documents/test#
```

```
root@kali:~/Documents/test# cd ..
root@kali:~/Documents# ls -l
total 4
drwxr-xr-x 2 root root 4096 Jan 18 23:30 test
root@kali:~/Documents# ls
test
root@kali:~/Documents# ls -l
total 4
drwxr-xr-x 2 root root 4096 Jan 18 23:30 test
root@kali:~/Documents# chmod 777 test
root@kali:~/Documents# ls -l
total 4
drwxrwxrwx 2 root root 4096 Jan 18 23:30 test
root@kali:~/Documents# chmod u=rx test
root@kali:~/Documents# ls-l
bash: ls-l: command not found
root@kali:~/Documents# ls -l
total 4
dr-xrwxrwx 2 root root 4096 Jan 18 23:30 test
root@kali:~/Documents# chmod g-rx test
root@kali:~/Documents# ls -l
total 4
dr-x-w-rwx 2 root root 4096 Jan 18 23:30 test
root@kali:~/Documents# chmod 1777 test
root@kali:~/Documents# ls -l
total 4
drwxrwxrwt 2 root root 4096 Jan 18 23:30 test
root@kali:~/Documents#
```

```
File  Edit  View  Search  Terminal  Help
root@kali:~/Documents# cd
root@kali:~# 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:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologi
n
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
```

```
File  Edit  View  Search  Terminal  Help
root@kali:~# cat /etc/shadow
root:$6$Lbo9KxLL$nUykxM9mDsPhu/4QqftyMh4j.K/HCx0eU3DGfxJRwo0y9MblfbCigqfOiurzjI
a9xpjYwIA.2YfkB2fYFPcg1:17547:0:99999:7:::
daemon:*:17479:0:99999:7:::
bin:*:17479:0:99999:7:::
sys:*:17479:0:99999:7:::
sync:*:17479:0:99999:7:::
games:*:17479:0:99999:7:::
man:*:17479:0:99999:7:::
lp:*:17479:0:99999:7:::
mail:*:17479:0:99999:7:::
news:*:17479:0:99999:7:::
uucp:*:17479:0:99999:7:::
proxy:*:17479:0:99999:7:::
www-data:*:17479:0:99999:7:::
backup:*:17479:0:99999:7:::
list:*:17479:0:99999:7:::
irc:*:17479:0:99999:7:::
gnats:*:17479:0:99999:7:::
nobody:*:17479:0:99999:7:::
systemd-timesync:*:17479:0:99999:7:::
systemd-network:*:17479:0:99999:7:::
systemd-resolve:*:17479:0:99999:7:::
systemd-bus-proxy:*:17479:0:99999:7:::
_apt:*:17479:0:99999:7:::
```

```
root@kali:~# ps -a | grep fire
  3008 tty2    00:00:04 firefox-esr
root@kali:~# kill -9 3008
root@kali:~# iptables -A INPUT -p tcp --dport 21 -j ACCEPT
root@kali:~# iptables -L
Chain INPUT (policy ACCEPT)
target     prot opt source               destination
ACCEPT     tcp  --  anywhere             anywhere             tcp dpt:ftp

Chain FORWARD (policy ACCEPT)
target     prot opt source               destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source               destination
```

```
root@kali:~# gedit /etc/hosts.allow
t framework
root@kali:~# uname -a
Linux kali 4.13.0-kali1-amd64 #1 SMP Debian 4.13.10-1kali2 (2017-11-08) x86_64 (
NU/Linux
root@kali:~# last
root     :1               :1               Thu Jan 18 21:12    gone - no logout
reboot   system boot  4.13.0-kali1-amd Thu Jan 18 21:11    still running
root     :1               :1               Tue Jan 16 18:46 - down   (1+16:27)
reboot   system boot  4.13.0-kali1-amd Tue Jan 16 18:45 - 11:14 (1+16:28)
root     :1               :1               Tue Jan 16 04:29 - down   (00:05)
reboot   system boot  4.13.0-kali1-amd Tue Jan 16 04:28 - 04:35 (00:06)
root     :1               :1               Tue Jan 16 04:19 - down   (00:08)
reboot   system boot  4.13.0-kali1-amd Tue Jan 16 04:19 - 04:28 (00:09)
reboot   system boot  4.13.0-kali1-amd Tue Jan 16 04:16 - 04:28 (00:11)

wtmp begins Tue Jan 16 04:16:56 2018
```

```
root@kali:~# history
    1  '/media/cdrom0/run_upgrader.sh'
    2  '/root/Downloads/VB/run_upgrader.sh'
    3  cd /root/Downloads
    4  ls
    5  chmod +777 VB/*
    6  '/root/Downloads/VB/run_upgrader.sh'
t framework
    7  '/root/Downloads/VB/vmware-tools-distrib/vmware-install.pl'
    8  reboot
    9  ping 172.16.222.130
   10  netcat 172.16.222.130 5050
   11  netcat 5050 172.16.222.130
   12  netcat  172.16.222.130 -p 5050
   13  netcat  172.16.222.130
   14  netcat  ?
   15  netcat --help
   16  nc -h
   17  nc 172.16.222.130 5050
   18  users
   19  nobody
```

```
root@kali:~# uptime
 00:34:04 up  1:19,  1 user,  load average: 0.04, 0.08, 0.04
root@kali:~# w
 00:34:09 up  1:19,  1 user,  load average: 0.04, 0.08, 0.04
USER     TTY      FROM             LOGIN@   IDLE   JCPU   PCPU WHAT
root     :1       :1                21:12   ?xdm?  34.62s  0.02s /usr/lib/gdm3/g
root@kali:~# lsof
lsof: WARNING: can't stat() fuse.gvfsd-fuse file system /run/user/131/gvfs
      Output information may be incomplete.
COMMAND    PID  TID             USER   FD     TYPE           DEVICE SIZE/OFF
     NODE NAME
systemd      1                 root   cwd     DIR              8,1     4096
        2 /
systemd      1                 root   rtd     DIR              8,1     4096
        2 /
systemd      1                 root   txt     REG              8,1  1665760
    921970 /lib/systemd/systemd
systemd      1                 root   mem     REG              8,1  1063328
   1050504 /lib/x86_64-linux-gnu/libm-2.24.so
systemd      1                 root   mem     REG              8,1   121016
   1050590 /lib/x86_64-linux-gnu/libudev.so.1.6.7
systemd      1                 root   mem     REG              8,1    84032
   1050480 /lib/x86_64-linux-gnu/libgpg-error.so.0.22.0
systemd      1                 root   mem     REG              8,1    18832
   1050425 /lib/x86_64-linux-gnu/libattr.so.1.1.0
```

```
File  Edit  View  Search  Terminal  Help
root@kali:~# crontab -l
no crontab for root
root@kali:~# top

top - 01:38:58 up  1:29,  1 user,  load average: 0.06, 0.07, 0.05
Tasks: 173 total,   1 running, 172 sleeping,   0 stopped,   0 zombie
%Cpu(s):  1.3 us,  0.0 sy,  0.0 ni, 98.7 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st
KiB Mem :  2031656 total,   163412 free,  1130352 used,   737892 buff/cache
KiB Swap:   522236 total,   522236 free,        0 used.   706844 avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S %CPU %MEM     TIME+ COMMAND
 1304 root      20   0 3416648 435628  96356 S  0.7 21.4   2:26.82 gnome-shell
 2989 root      20   0  592340  41376  26952 S  0.7  2.0   0:06.34 gnome-term+
    8 root      20   0       0      0      0 S  0.3  0.0   0:01.05 rcu_sched
 1200 root      20   0  365624  76044  34420 S  0.3  3.7   0:39.02 Xorg
 4331 root      20   0   46876   3732   3060 R  0.3  0.2   0:00.15 top
    1 root      20   0  154052   8196   6204 S  0.0  0.4   0:02.43 systemd
    2 root      20   0       0      0      0 S  0.0  0.0   0:00.00 kthreadd
    4 root       0 -20       0      0      0 S  0.0  0.0   0:00.00 kworker/0:+
    5 root      20   0       0      0      0 S  0.0  0.0   0:00.46 kworker/u2+
    6 root       0 -20       0      0      0 S  0.0  0.0   0:00.00 mm_percpu_+
    7 root      20   0       0      0      0 S  0.0  0.0   0:00.41 ksoftirqd/0
    9 root      20   0       0      0      0 S  0.0  0.0   0:00.00 rcu_bh
   10 root      rt   0       0      0      0 S  0.0  0.0   0:00.00 migration/0
   11 root      rt   0       0      0      0 S  0.0  0.0   0:00.02 watchdog/0
   12 root      20   0       0      0      0 S  0.0  0.0   0:00.00 cpuhp/0
   13 root      20   0       0      0      0 S  0.0  0.0   0:00.00 kdevtmpfs
```