**Enumeration Commands & Screenshots:**

**Searching File System Via Mount:**

**$** cd /etc

$ cat passwd

OUTPUT:

└─# cat 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

libuuid:x:100:101::/var/lib/libuuid:

syslog:x:101:104::/home/syslog:/bin/false

messagebus:x:102:106::/var/run/dbus:/bin/false

usbmux:x:103:46:usbmux daemon,,,:/home/usbmux:/bin/false

dnsmasq:x:104:65534:dnsmasq,,,:/var/lib/misc:/bin/false

avahi-autoipd:x:105:113:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/bin/false

kernoops:x:106:65534:Kernel Oops Tracking Daemon,,,:/:/bin/false

rtkit:x:107:114:RealtimeKit,,,:/proc:/bin/false

saned:x:108:115::/home/saned:/bin/false

whoopsie:x:109:116::/nonexistent:/bin/false

speech-dispatcher:x:110:29:Speech Dispatcher,,,:/var/run/speech-dispatcher:/bin/sh

avahi:x:111:117:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/bin/false

lightdm:x:112:118:Light Display Manager:/var/lib/lightdm:/bin/false

colord:x:113:121:colord colour management daemon,,,:/var/lib/colord:/bin/false

hplip:x:114:7:HPLIP system user,,,:/var/run/hplip:/bin/false

pulse:x:115:122:PulseAudio daemon,,,:/var/run/pulse:/bin/false

osboxes:x:1000:1000:osboxes.org,,,:/home/osboxes:/bin/bash

student:x:1001:1001::/home/student:

sshd:x:116:65534::/var/run/sshd:/usr/sbin/nologin

mysql:x:117:125:MySQL Server,,,:/nonexistent:/bin/false

ftp:x:118:126:ftp daemon,,,:/srv/ftp:/bin/false

statd:x:119:65534::/var/lib/nfs:/bin/false

$ cat shadow

└─# cat shadow

root:$6$oTSczBtm$dm2CkgcvD/nFTTc2OkOb0Oo55wlweNMzEWqPCJ4YYDQpuE0MnvVirHpia9L8pJ1d6JRkNjid6k51eS/4vGvvO.:18878:0:99999:7:::

daemon:\*:17959:0:99999:7:::

bin:\*:17959:0:99999:7:::

sys:\*:17959:0:99999:7:::

sync:\*:17959:0:99999:7:::

games:\*:17959:0:99999:7:::

man:\*:17959:0:99999:7:::

lp:\*:17959:0:99999:7:::

mail:\*:17959:0:99999:7:::

news:\*:17959:0:99999:7:::

uucp:\*:17959:0:99999:7:::

proxy:\*:17959:0:99999:7:::

www-data:\*:17959:0:99999:7:::

backup:\*:17959:0:99999:7:::

list:\*:17959:0:99999:7:::

irc:\*:17959:0:99999:7:::

gnats:\*:17959:0:99999:7:::

nobody:\*:17959:0:99999:7:::

libuuid:!:17959:0:99999:7:::

syslog:\*:17959:0:99999:7:::

messagebus:\*:17959:0:99999:7:::

usbmux:\*:17959:0:99999:7:::

dnsmasq:\*:17959:0:99999:7:::

avahi-autoipd:\*:17959:0:99999:7:::

kernoops:\*:17959:0:99999:7:::

rtkit:\*:17959:0:99999:7:::

saned:\*:17959:0:99999:7:::

whoopsie:\*:17959:0:99999:7:::

speech-dispatcher:!:17959:0:99999:7:::

avahi:\*:17959:0:99999:7:::

lightdm:\*:17959:0:99999:7:::

colord:\*:17959:0:99999:7:::

hplip:\*:17959:0:99999:7:::

pulse:\*:17959:0:99999:7:::

osboxes:$6$MXLwKeSL$7RD7rpMlD4Sx1xH1JJTtBMnle4y0jO9EEuJxjuf/FLBxy1t2c9uOKgscC0LHptU9H/y2jxA2cVtbEwEAR8KMm0:17965:0:99999:7:::

student:$6$ReA7bQnd$49VNvSH7Ya2dnd1QTWMyx.Gw0kRhUUS/an.GMO80GMg60vGc7ZgIzqMeh1GwxGf2quD./lZUk8p6OdbxBTgiN/:18877:0:99999:7:::

sshd:\*:18877:0:99999:7:::

mysql:!:18877:0:99999:7:::

ftp:\*:18877:0:99999:7:::

statd:\*:18877:0:99999:7:::

Check to see if I can add a user:

$ adduser demo

Usr: demo pw: kali

A screenshot of a computer

Description automatically generated with medium confidence

Check if added:

$ cat passwd

$ cat shadow

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated with medium confidence

**Nmap & Ping Check:**

$ ping 10.0.2.10

Accepts pings with no pack loss, suggests no use of firewall to protect against unknown traffic.

A screenshot of a computer

Description automatically generated with medium confidence

**DNS Enumeration:**

Tool: Dig

$ dig 10.0.2.10

A screenshot of a computer

Description automatically generated with medium confidence

$ dig a.root-servers.net

A screenshot of a computer

Description automatically generated with medium confidence

$ dig 198.41.0.4

A screenshot of a computer

Description automatically generated with medium confidence

Dig Table/Reference:

A screenshot of a computer

Description automatically generated with medium confidence