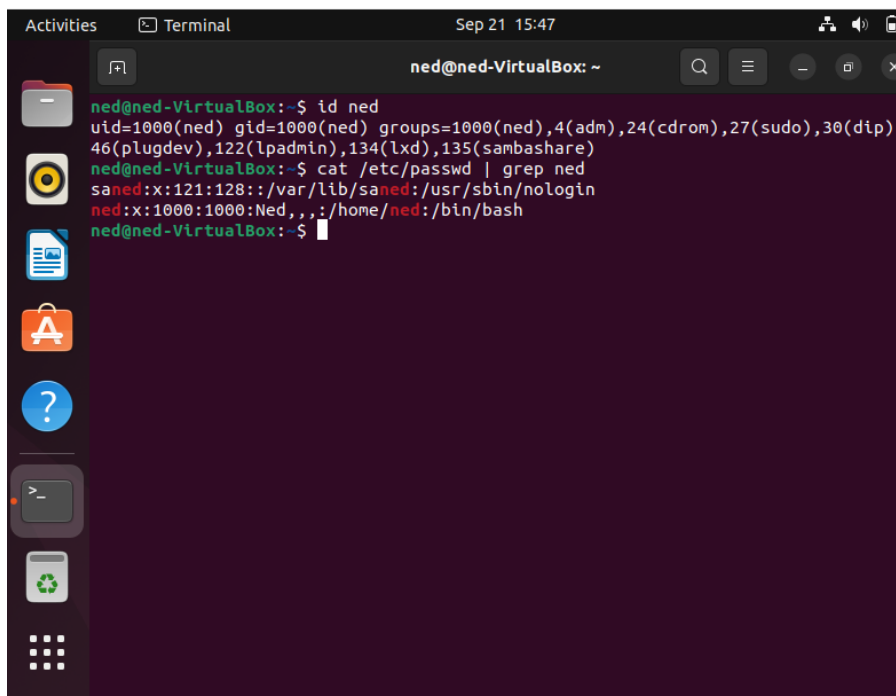


## User Accounts

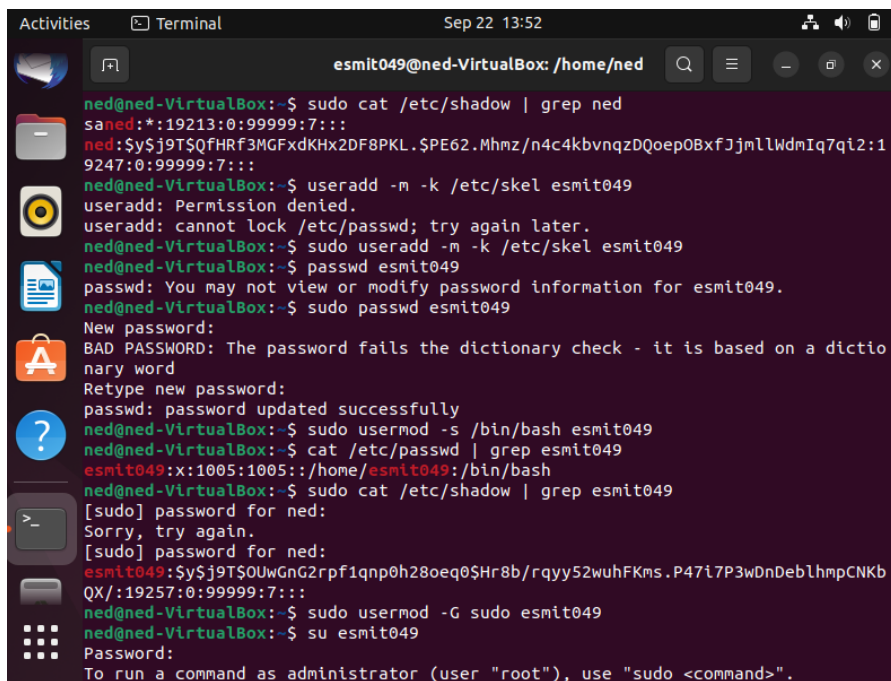
Step 1:



A terminal window titled 'Terminal' with a timestamp of 'Sep 21 15:47'. The prompt is 'ned@ned-VirtualBox: ~'. The user runs 'id ned', showing 'uid=1000(ned) gid=1000(ned) groups=1000(ned),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),122(lpadmin),134(lxd),135(sambashare)'. Then, they run 'cat /etc/passwd | grep ned', showing 'samed:x:121:128::/var/lib/samed:/usr/sbin/nologin' and 'ned:x:1000:1000:Ned,,,:/home/ned:/bin/bash'.

```
ned@ned-VirtualBox:~$ id ned
uid=1000(ned) gid=1000(ned) groups=1000(ned),4(adm),24(cdrom),27(sudo),30(dip),
46(plugdev),122(lpadmin),134(lxd),135(sambashare)
ned@ned-VirtualBox:~$ cat /etc/passwd | grep ned
samed:x:121:128::/var/lib/samed:/usr/sbin/nologin
ned:x:1000:1000:Ned,,,:/home/ned:/bin/bash
ned@ned-VirtualBox:~$
```

Steps 2 – 8:



A terminal window titled 'Terminal' with a timestamp of 'Sep 22 13:52'. The prompt is 'esmit049@ned-VirtualBox: /home/ned'. The user runs 'sudo cat /etc/shadow | grep ned', showing 'samed\*:19213:0:99999:7:::' and 'ned:\$y\$j9T\$QfHRf3MGfxdKHx2DF8PKL.\$PE62.Mhmz/n4c4kbvnqzDQoep0BxfJjmlWdmIq7qi2:19247:0:99999:7:::'. Then, they run 'useradd -m -k /etc/skel esmit049', which fails with 'Permission denied' and 'cannot lock /etc/passwd; try again later.'. They then run 'sudo useradd -m -k /etc/skel esmit049', which succeeds. Next, they run 'passwd esmit049', which prompts for a password. They enter a password, but it fails the dictionary check. They retype the password, and it succeeds. Then, they run 'sudo usermod -s /bin/bash esmit049', which succeeds. They then run 'cat /etc/passwd | grep esmit049', showing 'esmit049:x:1005:1005::/home/esmit049:/bin/bash'. Finally, they run 'sudo cat /etc/shadow | grep esmit049', showing '[sudo] password for ned:'. They enter the password, and it succeeds. They then run 'sudo usermod -G sudo esmit049', which succeeds. Finally, they run 'su esmit049', which prompts for a password. They enter the password, and it succeeds. The prompt changes to 'esmit049@ned-VirtualBox: ~\$'.

```
esmit049@ned-VirtualBox: /home/ned
ned@ned-VirtualBox:~$ sudo cat /etc/shadow | grep ned
samed*:19213:0:99999:7:::
ned:$y$j9T$QfHRf3MGfxdKHx2DF8PKL.$PE62.Mhmz/n4c4kbvnqzDQoep0BxfJjmlWdmIq7qi2:1
9247:0:99999:7:::
ned@ned-VirtualBox:~$ useradd -m -k /etc/skel esmit049
useradd: Permission denied.
useradd: cannot lock /etc/passwd; try again later.
ned@ned-VirtualBox:~$ sudo useradd -m -k /etc/skel esmit049
ned@ned-VirtualBox:~$ passwd esmit049
passwd: You may not view or modify password information for esmit049.
ned@ned-VirtualBox:~$ sudo passwd esmit049
New password:
BAD PASSWORD: The password fails the dictionary check - it is based on a dictio
nary word
Retype new password:
passwd: password updated successfully
ned@ned-VirtualBox:~$ sudo usermod -s /bin/bash esmit049
ned@ned-VirtualBox:~$ cat /etc/passwd | grep esmit049
esmit049:x:1005:1005::/home/esmit049:/bin/bash
ned@ned-VirtualBox:~$ sudo cat /etc/shadow | grep esmit049
[sudo] password for ned:
Sorry, try again.
[sudo] password for ned:
esmit049:$y$j9T$0UwGnG2rpf1qnp0h28oeq0$Hr8b/rqyy52wuhFKms.P47i7P3wDnDeblhmpCNkb
QX/:19257:0:99999:7:::
ned@ned-VirtualBox:~$ sudo usermod -G sudo esmit049
ned@ned-VirtualBox:~$ su esmit049
Password:
To run a command as administrator (user "root"), use "sudo <command>".
```

```
Activities Terminal Sep 22 13:52
esmit049@ned-VirtualBox: /home/ned

9247:0:99999:7:::
ned@ned-VirtualBox:~$ useradd -m -k /etc/skel esmit049
useradd: Permission denied.
useradd: cannot lock /etc/passwd; try again later.
ned@ned-VirtualBox:~$ sudo useradd -m -k /etc/skel esmit049
ned@ned-VirtualBox:~$ passwd esmit049
passwd: You may not view or modify password information for esmit049.
ned@ned-VirtualBox:~$ sudo passwd esmit049
New password:
BAD PASSWORD: The password fails the dictionary check - it is based on a dictionary word
Retype new password:
passwd: password updated successfully
ned@ned-VirtualBox:~$ sudo usermod -s /bin/bash esmit049
ned@ned-VirtualBox:~$ cat /etc/passwd | grep esmit049
esmit049:x:1005:1005::/home/esmit049:/bin/bash
ned@ned-VirtualBox:~$ sudo cat /etc/shadow | grep esmit049
[sudo] password for ned:
Sorry, try again.
[sudo] password for ned:
esmit049:$y$j9T$0UwGnG2rpf1qnp0h28oeq0$Hr8b/rqyy52wuhFKms.P47i7P3wDnDeblhmpCNKbQX/19257:0:99999:7:::
ned@ned-VirtualBox:~$ sudo usermod -G sudo esmit049
ned@ned-VirtualBox:~$ su esmit049
Password:
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
esmit049@ned-VirtualBox: /home/ned$
```

## Group Accounts

Steps 1 – 3 :

```
Activities Terminal Sep 22 14:15
ned@ned-VirtualBox: /

ned@ned-VirtualBox:/$ cat /etc/passwd | grep ned
saned:x:121:128::/var/lib/saned:/usr/sbin/nologin
ned:x:1000:1000:Ned,,,:/home/ned:/bin/bash
ned@ned-VirtualBox:/$ id ned
uid=1000(ned) gid=1000(ned) groups=1000(ned),4(adm),24(cdrom),27(sudo),30(dip),
46(plugdev),122(lpadmin),134(lxd),135(sambashare)
ned@ned-VirtualBox:/$ groups ned
ned : ned adm cdrom sudo dip plugdev lpadmin lxd sambashare
ned@ned-VirtualBox:/$ groups root
root : root
ned@ned-VirtualBox:/$
```

Steps 4 - 9:

```
Activities Terminal Sep 22 14:26
ned@ned-VirtualBox: /
ned@ned-VirtualBox:/$ ls -l /etc/group
-rw-r--r-- 1 root root 1173 Sep 22 13:51 /etc/group
ned@ned-VirtualBox:/$ sudo groupadd -g 01200384 test
ned@ned-VirtualBox:/$ cat /etc/group | grep test
test:x:1200384:
ned@ned-VirtualBox:/$ sudo groupmod -n newtest test
ned@ned-VirtualBox:/$ cat /etc/group | grep newtest
newtest:x:1200384:
ned@ned-VirtualBox:/$ sudo usermod -G newtest esmit049
ned@ned-VirtualBox:/$ touch testfile.txt
touch: cannot touch 'testfile.txt': Permission denied
ned@ned-VirtualBox:/$ sudo touch testfile.txt
ned@ned-VirtualBox:/$ sudo chgrp newtest testfile.txt
```

Steps 10-12: I wasn't sure what happened in step 12, but after I input the command, it said the user didn't exist anymore so I'm guessing I did it right. The disclaimers that came up made it seem like it still existed but when I tried to switch users and display user info, it said the user didn't exist.

```
Activities Terminal Sep 22 14:31
ned@ned-VirtualBox: /
ned@ned-VirtualBox:/$ ls -l testfile.txt
-rw-r--r-- 1 root newtest 0 Sep 22 14:22 testfile.txt
ned@ned-VirtualBox:/$ sudo groupdel newtest
ned@ned-VirtualBox:/$ ls -l testfile.txt
-rw-r--r-- 1 root 1200384 0 Sep 22 14:22 testfile.txt
ned@ned-VirtualBox:/$ sudo userdel -r esmit049
userdel: user esmit049 is currently used by process 3735
ned@ned-VirtualBox:/$ sudo userdel -f -r esmit049
userdel: user esmit049 is currently used by process 3735
userdel: esmit049 mail spool (/var/mail/esmit049) not found
ned@ned-VirtualBox:/$
```