

Lab 10 – User Authentication

1. Work on user accounts `useradd`, `passwd`, `adduser`, `userdel`, `usermod`, `groupadd`, `groupmod`, `groupdel`. -Commands

cbkpc@ubuntulinux:~\$ sudo useradd user1

[sudo] password for cbkpc:

cbkpc@ubuntulinux:~\$ 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

games:x:5:60:games:/usr/games:/usr/sbin/nologin

man:x:6:12:man:/var/cache/man:/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

gdm:x:126:131:Gnome Display Manager:/var/lib/gdm3:/bin/false

cbkpc:x:1000:1000:cbkpc,,:/home/cbkpc:/bin/bash

systemd-coredump:x:999:999:systemd Core Dumper:/usr/sbin/nologin

user1:x:1001:1001::/home/user1:/bin/sh

cbkpc@ubuntulinux:~\$ cat /etc/passwd | grep "user1"

user1:x:1001:1001::/home/user1:/bin/sh

cbkpc@ubuntulinux:~\$ sudo useradd -u 4000 user2

cbkpc@ubuntulinux:~\$ cat /etc/passwd | grep "user2"

user2:x:4000:4000::/home/user2:/bin/sh

cbkpc@ubuntulinux:~\$ sudo useradd -d /home/Desktop user3

cbkpc@ubuntulinux:~\$ cat /etc/passwd | grep "user3"

user3:x:4001:4001::/home/Desktop:/bin/sh

cbkpc@ubuntulinux:~\$ sudo passwd user1

New password:

Retype new password:

passwd: password updated successfully

cbkpc@ubuntulinux:~\$ sudo adduser naziya

Adding user `naziya' ...

Adding new group `naziya' (1002) ...

Adding new user `naziya' (1002) with group `naziya' ...

Creating home directory `/home/naziya' ...

Copying files from `/etc/skel' ...

New password:

Retype new password:

passwd: password updated successfully

Changing the user information for naziya

Enter the new value, or press ENTER for the default

Full Name []: Naziya Makandar

Room Number []:

Work Phone []:

Home Phone []:

Other []:

Is the information correct? [Y/n] y

cbkpc@ubuntulinux:~\$ cat /etc/passwd | grep "naziya"

naziya:x:1002:1002:Naziya Makandar,,,:/home/naziya:/bin/bash

cbkpc@ubuntulinux:~\$ su naziya

Password:

naziya@ubuntulinux:~\$ pwd

/home/naziya

naziya@ubuntulinux:~\$ exit

exit

cbkpc@ubuntulinux:~\$ sudo userdel user1

cbkpc@ubuntulinux:~\$ cat /etc/passwd | grep "user1"

cbkpc@ubuntulinux:~\$ sudo usermod -c "this is user2" user2

cbkpc@ubuntulinux:~\$ cat /etc/passwd | grep "user2"

user2:x:4000:4000:this is user2:/home/user2:/bin/sh

cbkpc@ubuntulinux:~\$ groups

cbkpc

cbkpc@ubuntulinux:~\$ sudo groupadd cse

cbkpc@ubuntulinux:~\$ sudo usermod -g cse user2

cbkpc@ubuntulinux:~\$ getent group cse

cse:x:4002:

cbkpc@ubuntulinux:~\$ sudo groupmod -n computer cse

cbkpc@ubuntulinux:~\$ getent group computer

computer:x:4002:

cbkpc@ubuntulinux:~\$ sudo gpasswd -a naziya -a user3 computer

Adding user user3 to group computer

cbkpc@ubuntulinux:~\$ getent group computer

computer:x:4002:user3

cbkpc@ubuntulinux:~\$ sudo gpasswd -a naziya computer

Adding user naziya to group computer

cbkpc@ubuntulinux:~\$ getent group computer

computer:x:4002:user3,naziya

cbkpc@ubuntulinux:~\$ sudo gpasswd -d naziya computer

Removing user naziya from group computer

cbkpc@ubuntulinux:~\$ getent group computer

computer:x:4002:user3