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Managing Useradmin & Groupadmin

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Creating User Acct

```
lrwxrwxrwx 1 root root 7 Jan 6 17:58 /usr/sbin/adduser -> useradd
```

```
-rwxr-xr-x 1 root root 57532 Nov 24 2004 /usr/sbin/useradd
```

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1) useradd

2) adduser

```
useradd -c "comment" -u -g -G
```

```
-k /etc/skel -s /bin/bash -d /ghar/sameer -f -e
```

-c = comment

-u = User ID

-g = primary Group Name

-G = Secondary or Supplementary Group Names

-k = Skel folder path

-s = A default Login Shell

-d = Home dir of a user which has to be created but if it is not created
then use option -m which will create that specified home folder

-f = Inactive Days

-e = expiry days

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Modification of user accts

1) usermod -c "comment" -d /newhomedir -e yyyy-mm-dd -f 5 -g

-G -l -s /bin/bash -u -L -U

-L = Lock a user's password

-U = To Unlock a user's password

-f = Inactive Days

-l = To change a username

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Managing User's

1) userdel

Note : - Simply specifying userdel command user will be deleted but it's home
dir will be remain in a system.

2) userdel -r

Note :- To remove useracct along with it's home folder

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Managing Groups

1) groupadd

2) groupmod -g -n

3) groupmod -g

-g = GUID of an old group

-n = New name to an old group

4) groupdel

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To set a password for a user

1) passwd

2) passwd -l To lock a user password

3) passwd -u To unlock a user password

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Changing user information

1) chfn

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To view user Information

1) finger

2) finger

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To print real & effective UID's & GID's

1) id

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Important Files of acct admin

1) /etc/passwd :- User Account Information

2) /etc/shadow :- Secure User Account Information

3) /etc/group :- Group Information

4) /etc/gshadow :- Secure Group Information

5) /etc/default/useradd :- Default information use while useradd command

6) /etc/login.defs :- System-wide settings

7) /etc/skel :- Directory containing default files for profile

It stores hidden user profile files for every user

8) /etc/pam.d :- Linux PAM Directory

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1) /etc/passwd :- User Account Information

-rw-r--r-- 1 root root 2628 Jan 7 14:50 /etc/passwd

sameer:x:500:500:tech support:/home/sameer:/bin/bash

- 1) sameer :- User login name
- 2) x :- User's encrypted password
- 3) 500 :- UID
- 4) 500 :- GID
- 5) tech support :- Comment or GECOS (General Electric Comprehensive OS)
- 6) /home/sameer :- Default home dir of a user
- 7) /bin/bash :- Default login shell of a user

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- 2) /etc/shadow :- Secure User Account Information

```
-r----- 1 root root 1592 Jan 10 19:03 /etc/shadow
```

```
sameer:$1$kn02TpPA$vsCpJF8PE9IrsDVnhk.pR/:13158:0:99999:7:::
```

- 1) sameer :- Username can be upto 8 characters case-sensitive, usually all lowercase
- 2) \$1\$kn02TpPA\$:- using md5 algorithm password 13 characters encrypted a blank entry (eg: :) indicates a password is not required to login and a "*" indicates the account has been disabled
(!! means password is not set or !! encrypted password means password is disabled)
- 3) 13158 :- The number of Days (since Jan 1 1970) since the last password changed
- 4) 0 :- The number of days before password may be change or min password age or password changing frequency (0 indicates password)
- 5) 99999 :- The number of days after which password must be change (99999 indicates user can keep his or her password unchanged for many many years)
- 6) 7 :- The number of days warning to a user of an expiring password (7 for a full week)
- 7) x :- The number of days password expires & after that account will be disabled (Inactive days)
- 8) x :- The number of days since Jan 1 , 1970 that an account has be disabled (day on which acct will be expire)

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Note:- usermod --append -G sysadmin samson ----> to append the user in multiple groups