

Linux Users

- 1) Super user or root user(0) :- The user with all permissions, access and privileges.
- 2) Static system user(1-200) :- The user created by Operating System automatically. Like daemon user or binary user. used for running operating system components.
- 3) System user(201-999) :- The user created when we install any package like DNS, HTTP (Apache) and chronyd because these services and daemons run as a system user.
- 4) Normal user(1000-60000) :- Manually created users are normal user. Not having much privileges, access and permissions.

1. To view the default values when creating a user
 - a. `usedadd -D`
 - b. `cat /etc/default/useradd`
2. To see user related logs
 - a. `cat /var/log/secure |tail -2`
3. To check the password status
 - a. `passwd -S username`
4. To add a user into a group (primary group)
 - a. `useradd -g groupname username`
5. `useradd` with predefined parameter
 - a. `useradd -u 2000 -g 3000 -c 'user description' -d /home/usrtest -s /bin/sh username`
 - b. `useradd -M username` (do not create the user's home directory)
 - c. `useradd -e '2021-12-25' username` (expiration date of the new account)

eg. `Kevin:x: 2000: 3000: user description:/home/ usrtest:/bin/ sh`

`-l` – loginname `-d` -home directory

`-u` – uid `-s` -shell

`-g` - gid

`-c` - user comment

6. usermod – To rename User's account name
 - a. usermod -l newname oldname
7. To change user's UID
 - a. usermod -u 1076 username
8. Changing the User Information
 - a. usermod -c "Test User" username
9. To change the user's default home directory
 - a. usermod -d /new/directory username
10. To change the default shell of an user's account
 - a. usermod -s /bin/sh username
11. Setting a User Expiry Date
 - a. usermod -e "2025-10-21" username
12. Changing the parameters of an existing user
 - a. usermod -c 'test user' -u 2000 -g 1000 -d /home/user-3 -s /bin/bash -l user-3 user3
13. Locking and Unlocking a User Account
 - a. Lock - usermod -L username
 - b. Unlock -usermod -U username
14. To check the user's ID or UID with Group ID
 - a. id username
 - b. id -un username
 - c. id -gn username
15. To verify the user's password information
 - a. chage -l username
16. To change user's minimum password expiry date
 - a. chage -m 10 username
17. To change user's maximum password expiry date
 - a. chage -M 60 username
18. To change user's minimum password expiry warning date
 - a. chage -W 5 username

19. To change user's password inactive date
 - a. `chage -I 3 username`
20. To change user's password parameters
 - a. `chage -m 10 -M 60 -W 5 -I 3 username`
21. To set the user's account expiry date
 - a. `chage -E yyyy-mm-dd username`
22. To forcefully change the user's password immediately after first login
 - a. `chage -d 0 username`
23. To change user's group ID (GID)
 - a. `groupmod -g GID username (groupmod -g 3001 username)`
24. To change group's GID
 - a. `groupmod -g GID groupname (groupmod -g 4000 groupname)`
25. To rename a group
 - a. `groupmod -n newgroup oldgroup`
26. lock the user password
 - a. `passwd -l username`
27. unlock the userpassword
 - a. `passwd -u username`