

user and group mgmt

user data base

/etc/passwd — user name:x:user id:group id:full name:home directory:shell

add user name

- useradd <name> or adduser <name> > default
- useradd -d <directory> -s <shell> -c <"full name"> -u <user> id -g <group id> <username> > optional
- passwd <username> > set password for user

modify user

- usermod -u <new user id> -d <new directory> -s <new shell> username
- usermod <user name>
- usermod -L <username> > lock user with change password and user can't login
- usermod -U <username> > unlock user set default password
- id <username> > user info
- usermod -G <goupname-secondary or sub> <username> > change secondary group for user
- usermod -g <groupname-primary> <username> > change primary group for user
- usermod -l <new name> <old name> > change user name

user delete

- userdel <username> > default delete - don't delete user home directory
- userdel -r <username> > with delete home directory

group data base

/etc/group — groupname:x:ID:

add group name

- groupadd <name> > default
- gpasswd <groupname> > set password for group
- groupadd -g <id> <name> > group with costume id
- useradd -g <groupname> <username> > add user to group with group name

modify group

- groupmod <groupname> > use man for option same usermod

group delete

- groupdel <groupname> > when this group is not primary for one user you can delete it

password data base

- /etc/shadow — username:password hash:the day after unix born in 1970:day between change password:epired date of password:dead line for change password:days of user inactive:days of user inactive from 1970 unix born
- : !! : > password don't set for this user
- : * : > account is disable
- date -d <1970/01/01> <days of last time password change> > calculate time and date of last time of password has change
- chage -l <username> > show user info human readable

change permission of file

- chmod <permission-owner group other> <file PATH> > read is 4 - write is 2 - execute is 1
- chmod u=rwe,g=rw,o=r <file PATH> > change permission without number
- chmod u-w <file PATH> > owner without write permission > r-e only
- chmod o=r <file PATH> > other just have read permission > r-- only

special permission

- chmod <special permission 1 to 7> <owner permission> <group permission> <other permission> <file PATH> > just number etc:7662

change owner and group

- chown <new owner> <file PATH>
- chown :<group name> <file PATH> > change owner and group . we can mix them
- chown -R <owner>:<group> <directory PATH> > change directory and insid file owner and group
- chown <owner>:<group> <directory PATH> > just change directory owner and group not inside file
- newgrp <new group name> > change user group for short time . for access file and edit