# Lab05# report

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## Task1:

## Save user group data file & save user group password file

The command:

cat /etc/passwd：



cat /etc/gshadow

# Task2: Command foe managing users and user groups

## 1. userAdd

Use useAdd command to create new user:

```
jerry@jerry-virtual-machine:~/Desktop$ useradd Tom
useradd: Permission denied.
useradd: cannot lock /etc/passwd; try again later.
jerry@jerry-virtual-machine:~/Desktop$ sudo adduser Tom
adduser: Please enter a username matching the regular expression configured
via the NAME_REGEX[_SYSTEM] configuration variable.  Use the `--force-badname'
option to relax this check or reconfigure NAME_REGEX.
jerry@jerry-virtual-machine:~/Desktop$ 2998126344h
2998126344h: command not found
jerry@jerry-virtual-machine:~/Desktop$ sudo adduser tom
Adding user `tom' ...
Adding new group `tom' (1001) ...
Adding new user `tom' (1001) with group `tom' ...
Creating home directory `/home/tom' ...
Copying files from `/etc/skel' ...
New password:
BAD PASSWORD: The password fails the dictionary check - it is too simplistic/systematic
Retype new password:
Sorry, passwords do not match.
New password:
BAD PASSWORD: The password fails the dictionary check - it is too simplistic/systematic
Retype new password:
Sorry, passwords do not match.
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for tom
Enter the new value, or press ENTER for the default
        Full Name []:
```

```
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
jerry@jerry-virtual-machine:~/Desktop$ 
```

## 2. Passwd command

Use passwd command to set password:

```
jerry@jerry-virtual-machine:~/Desktop$ passwd tom
passwd: You may not view or modify password information for tom.
jerry@jerry-virtual-machine:~/Desktop$ sudo passwd tom
New password:
Retype new password:
passwd: password updated successfully
```

## 3. Usermod command

Use usermod command to edit user information:

```
jerry@jerry-virtual-machine:~/Desktop$ sudo usermod tom
usermod: no options
Usage: usermod [options] LOGIN

Options:
  -b, --badnames              allow bad names
  -c, --comment COMMENT       new value of the GECOS field
  -d, --home HOME_DIR         new home directory for the user account
  -e, --expiredate EXPIRE_DATE  set account expiration date to EXPIRE_DATE
  -f, --inactive INACTIVE     set password inactive after expiration
                              to INACTIVE
  -g, --gid GROUP             force use GROUP as new primary group
  -G, --groups GROUPS         new list of supplementary GROUPS
  -a, --append                append the user to the supplemental GROUPS
                              mentioned by the -G option without removing
                              the user from other groups
  -h, --help                  display this help message and exit
  -l, --login NEW_LOGIN       new value of the login name
  -L, --lock                  lock the user account
  -m, --move-home             move contents of the home directory to the
                              new location (use only with -d)
  -o, --non-unique            allow using duplicate (non-unique) UID
  -p, --password PASSWORD     use encrypted password for the new password
  -R, --root CHROOT_DIR       directory to chroot into
  -P, --prefix PREFIX_DIR     prefix directory where are located the /etc/* files
  -s, --shell SHELL           new login shell for the user account
  -u, --uid UID               new UID for the user account
  -U, --unlock                unlock the user account
```

```
-v, --add-subuids FIRST-LAST   add range of subordinate uids
-V, --del-subuids FIRST-LAST   remove range of subordinate uids
-w, --add-subgids FIRST-LAST   add range of subordinate gids
-W, --del-subgids FIRST-LAST   remove range of subordinate gids
-Z, --selinux-user SEUSER      new SELinux user mapping for the user account

rry@jerry-virtual-machine:~/Desktop$ sudo usermod -b tom
ermod: no changes
```

## 4. Userdel command

Use userdel command to delete user information

```
jerry@jerry-virtual-machine:~/Desktop$ sudo userdel tom
jerry@jerry-virtual-machine:~/Desktop$ sudo passwd tom
passwd: user 'tom' does not exist
jerry@jerry-virtual-machine:~/Desktop$
```

## 5. Groupadd command

```
jerry@jerry-virtual-machine:~/Documents/lab03_task1$ sudo addgroup group1
Adding group `group1' (GID 1002) ...
Done.
```

## 6. gpasswd command

```
jerry@jerry-virtual-machine:~/Documents/lab03_task1$ sudo gpasswd group1
Changing the password for group group1
New Password:
Re-enter new password:
jerry@jerry-virtual-machine:~/Documents/lab03_task1$
```

**7. groupmod command**

```
jerry@jerry-virtual-machine:~/Documents/lab03_task1$ sudo usermod -g group1 tom
jerry@jerry-virtual-machine:~/Documents/lab03_task1$ id username
id: 'username': no such user
```

# Task3: Authority management

## 1. Chown command:

```
jerry@jerry-virtual-machine:~/Documents/lab03_task1$ ls -l
total 24
-rwxrwxr-x 1 jerry jerry 16096  5月 27 17:15 forkText
-rw-rw-r-- 1 jerry jerry   367  5月 27 17:15 forkText.c
-rw-rw-r-- 1 jerry jerry  2104  5月 27 17:15 forkText.o
jerry@jerry-virtual-machine:~/Documents/lab03_task1$ chown root:jerry forkText
chown: changing ownership of 'forkText': Operation not permitted
```

## 2. chgrp command

```
chown: changing ownership of 'forkText': Operation not permitted
jerry@jerry-virtual-machine:~/Documents/lab03_task1$ sudo chown tom:group1 forkText
[sudo] password for jerry:
jerry@jerry-virtual-machine:~/Documents/lab03_task1$ ls -l
total 24
-rwxrwxr-x 1 tom    group1 16096  5月 27 17:15 forkText
-rw-rw-r-- 1 jerry jerry    367  5月 27 17:15 forkText.c
-rw-rw-r-- 1 jerry jerry   2104  5月 27 17:15 forkText.o
jerry@jerry-virtual-machine:~/Documents/lab03_task1$
```

## 3. Chmod command

```
jerry@jerry-virtual-machine:~/Documents/lab03_task1$ sudo chmod 644 forkText.c
jerry@jerry-virtual-machine:~/Documents/lab03_task1$ ls -l
total 24
-rwxrwxr-x 1 tom    group1 16096  5月 27 17:15 forkText
-rw-r--r-- 1 jerry jerry    367  5月 27 17:15 forkText.c
-rw-rw-r-- 1 jerry jerry   2104  5月 27 17:15 forkText.o
jerry@jerry-virtual-machine:~/Documents/lab03_task1$
```