## Лабораторная работа 2

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Задача

#### Задача

1. Прочитайте справочное описание man по командам ls, whoami, id, su, passwd, vi, visudo, useradd, usermod, userdel, groupadd, groupdel.

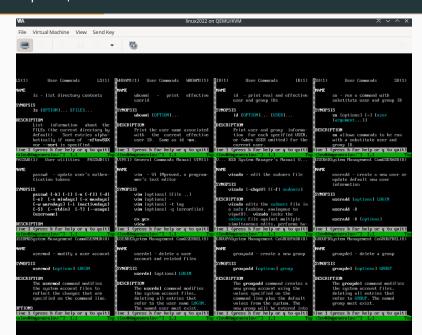
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- 2. Выполните действия по переключению между учётными записями пользователей, по управлению учётными записями пользователей (раздел 2.4.1).

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- 3. Выполните действия по созданию пользователей и управлению их учётными записями (раздел 2.4.2).
- 4. Выполните действия по работе с группами пользователей (раздел 2.4.3).

# Выполнение

#### man-страницы



## Переключение между учётными записями пользователей

```
dmgeneralov@dmgeneralov ~1$ uhoami
ngeneralov
dmgeneralov@dmgeneralov~1$ id
id=1888 (dageneralov) gid=1888 (dageneralov) groups=1888 (dageneralov), 18 (wheel) context=unconfined u:unconfined r:unconfined t:s8-s8:c8.c1823
dmgeneralov@dmgeneralov "1$ su root
assword:
u: Authentication failure
dmgeneralov@dmgeneralov ~1$ sudo passud root
Changing password for user root
ew password:
AD PASSMORD: The password fails the dictionary check - it is too simplistic/systematic
Retupe new password:
asswd: all authentication tokens undated successfullu.
dmgeneralov@dmgeneralov ~15 su root
assword:
root@dmgeneralov dmgeneralov]# id
id=8(root) gid=8(root) groups=8(root) context=unconfined_u:unconfined_r:unconfined_t:s8-s8:c8.c1823
root@dmgeneralov dmgeneralov]#
```

**Рис. 2:** SU

#### /etc/sudoers

```
## Syntax:
       user
               MACHINE=COMMANDS
## The COMMANDS section may have other options added to it.
## Allow root to run any commands anywhere
## Allows members of the 'sus' group to run networking, software,
## service management apps and more.
# ZSUS ALL = METWORKING, SOFTWARE, SERVICES, STORAGE, DELEGATING, PROCESSES, LOCATE, DRIVERS
## Allows people in group wheel to run all commands
 wheel ALL (ALL) ALL
## Same thing without a password
# Zwheel
               ALL=(ALL)
                               NOPASSUD: ALL
## Allows members of the users group to mount and unmount the
## cdrom as root
# zusers ALL=/sbin/mount /mnt/cdrom, /sbin/umount /mnt/cdrom
## Allows members of the users group to shutdown this system
# zusers localhost=/sbin/shutdown -h now
## Read drop-in files from /etc/sudoers.d (the # here does not mean a comment)
#includedir /etc/sudoers.d
```

#### Создание пользователей

```
[root@dmgeneralov dmgeneralov]# useradd -6 wheel alice
[root@dmgeneralov dmgeneralov]# id alice
uid=1001(alice) gid=1001(alice) groups=1001(alice),10(wheel)
[root@dmgeneralov dmgeneralov]# passwd alice
Changing password for user alice.
New password:
BAD PASSWORD: The password fails the dictionary check - it is too simplistic/systematic
Retume new massword:
passwd: all authentication tokens updated successfully.
[root@dmgeneralov dmgeneralov]# su alice
[alice@dmgeneralov dmgeneralov]$ sudo useradd bob
We trust you have received the usual lecture from the local Sustem
Administrator. It usually boils down to these three things:
   #1) Respect the privacy of others.
   #2) Think before you tupe.
   #3) With great power comes great responsibility.
[sudo] password for alice:
[alice@dmgeneralov dmgeneralov]$ sudo passwd bob
Changing password for user bob.
New password:
BAD PASSWORD: The password fails the dictionary check - it is too simplistic/systematic
Retupe new password:
passwd: all authentication tokens updated successfully.
[alice@dmgeneralov dmgeneralov]$
```

Рис. 4: useradd

### /etc/login.defs

missing.

```
it should remo∨e any at/cron/print jobs etc. owned by
 the user to be removed (passed as the first argument).
#USERDEL CMD
               /usr/sbin/userdel_local
 Enables userdel(8) to remove user groups if no members exist.
USERGROUPS ENAB no
# If set to a non-zero number. the shadow utilities will make sure that
# groups never have more than this number of users on one line.
 This permits to support split groups (groups split into multiple lines,
 with the same group ID, to avoid limitation of the line length in the
 group file).
 0 is the default value and disables this feature.
#MAX MEMBERS PER GROUP 0
 If useradd(8) should create home directories for users by default (non
# system users only).
 This option is overridden with the -M or -m flags on the useradd(8)
# command-line.
               yes
 Force use shadow, even if shadow passwd & shadow group files are
```



#### /etc/skel

```
[root@dmgeneralov_dmgeneralov]#_cd_/etc/skel
[root@dmgeneralov skell# mkdir Pictures
[root@dmgeneralov skel]# mkdir Documents
[root@dmgeneralov skel]# echo "export EDITOR=/usr/bin/vim" >> .bashrc
[root@dmgeneralov skel]# useradd carol
[root@dmgeneralov skel]# passwd carol
Changing password for user carol.
New password:
BAD PASSWORD: The password fails the dictionary check - it is too simplistic/systematic
Reture new password:
passwd: all authentication tokens updated successfully.
[root@dmgeneralov skel]# id carol
uid=1003(carol) gid=1003(carol) groups=1003(carol)
[root@dmgeneralov skel]# ls "carol
Documents Pictures
[root@dmgeneralov skel]# passwd -n 30 -w 3 -x 90 carol
Adjusting aging data for user carol.
passwd: Success
.
[root@dmgeneralov skel]#
```

Рис. 6: skel

## /etc/passwd, /etc/group

```
"/etc/login.defs" 278L, 7777B written
TwoOfBingenerslov skell B for i in dan dave david: do useradd $1: done
TwoOfBingenerslov skell B for i in dan dave david: do useradd $1: done
TwoOfBingenerslov skell B for i in dan dave david: do useradd $1: done
TwoOfBingenerslov skell B gellow reterophasido /etc.group

etc.dadou.al ic: 9507LBHRM.lamedBSSgo.hlOTAbleLUBb11CGooz. USEF7VBBmpMMJDZ1MnF941JpMYUS7x*UMBMZzeSAksiaSgfQSZfJPnJz5:19388:8:99999:7:::
etc.group islee::x18Bingenerslov.slite
etc.group islee::x18Bingenerslov.slite
forOfBingenerslov skell B grey david /etc.passad /etc.yshadou /etc
```

Рис. 7: passwd

#### Создание групп

```
[root@dmgeneralov skel]# groupadd main
[root@dmgeneralov skel]# groupadd third
[root@dmueneralov skel]# usermod -aG main alice
[root@dmgeneralov skell# usermod -aG main bob
[root@dmgeneralov_skell# usermod -aG third
Usage: usermod [options] LOGIN
Intions:
 -b. --badnames
                                allow had 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
 -1. --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)
                                allow using duplicate (non-unique) UID
  -o, --non-unique
                                use encrypted password for the new password
  -p, --password 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
  -U, --del-subuids FIRST-LAST remove range of subordinate uids
  -ω, --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
[root@dmgeneralov skel]# usermod -aG third carol
[root@dmgeneralov_skel]# usermod -aG third dan
froot@dmmeneralov_skell#_usermod -aG_third_dave
[root@dmgeneralov skel]# usermod -aG third david
(root@dmgeneralov skel]# id carol
uid=1003(carol) gid=1003(carol) groups=1003(carol),1005(third)
[root@dmgeneralov skel]# id dave
uid=1895(dave) gid=188(users) groups=188(users),1885(third)
[root@dmgeneralov skell# id alice
uid=1801(alice) gid=1801(alice) groups=1801(alice).18(wheel).1804(main)
[root@dmgeneralov skel]#
```



Я получил опыт работы с группами и пользователями в Linux.