

In the examples below, you will see several usage of the commands for useradd, userdel, usermod, groupadd, groupdel, and groupmod. Since the examples are self-explanatory, I suggest you should see the manual pages at bottom of this page for any of the commands you have question.

```
$ whatis useradd
```

```
useradd - administer a new user login on the system
```

```
$ whatis userdel
```

```
userdel - delete a user's login from the system
```

```
$ whatis usermod
```

```
usermod - modify a user's login information on the system
```

```
$ whatis groupadd
```

```
groupadd - add (create) a new group definition on the system
```

```
$ whatis groupdel
```

```
groupdel - delete a group definition from the system
```

```
$ whatis groupmod
```

```
groupmod - modify a group definition on the system
```

## Examples:

```
# hostname
MySolaris
# id
uid=0(root) gid=0(root) groups=0(root),1(other),2(bin),3(sys),4(adm),5(uucp),6(mail),7(tty),8(lp),9(nuucp),12(daemon)
# which useradd
/usr/sbin/useradd
# useradd
UX: useradd: ERROR: invalid syntax.
usage: useradd [-u uid [-o] | -g group | -G group[[,group]...] | -d dir | -b base_dir |
             -s shell | -c comment | -m [-k skel_dir] | -f inactive |
             -e expire | -A authorization [, authorization ...] |
             -P profile [, profile ...] | -R role [, role ...] |
             -K key=value | -p project [, project ...]] login
useradd -D [-g group | -b base_dir | -f inactive | -e expire
          -A authorization [, authorization ...] |
          -P profile [, profile ...] | -R role [, role ...] |
          -K key=value ... -p project] | [-s shell] | [-k skel_dir]

# useradd -d /export/home/newuser -m -s /bin/ksh -c "newuser" newuser
80 blocks
# grep -i newuser /etc/passwd
newuser:x:102:1:newuser:/export/home/newuser:/bin/ksh
# grep -i newuser /etc/shadow
newuser:*LK*:::
# passwd -r files newuser
New Password:
Re-enter new Password:
passwd: password successfully changed for newuser
# grep -i newuser /etc/shadow
newuser:$5$w6al9BVN$0qE5zQFhqRDuKu0aF8FXb6QBPUm6GpNEcUK8rsxGS62:15144:::
# groupadd newgroup
# grep newgroup /etc/group
newgroup::100:
# groupadd
UX: groupadd: ERROR: invalid syntax.
usage: groupadd [-g gid [-o]] group
# usermod
UX: usermod: ERROR: Invalid syntax.
usage: usermod -u uid [-o] | -g group | -G group[[,group]...] |
             -d dir [-m] | -s shell | -c comment |
             -l new_logname | -f inactive | -e expire |
             -A authorization [, authorization ...] | -K key=value ... |
             -P profile [, profile ...] | -R role [, role ...] login

# usermod -g newgroup newuser
# grep -i newuser /etc/passwd /etc/group /etc/shadow
/etc/passwd:newuser:x:102:100:newuser:/export/home/newuser:/bin/ksh
/etc/shadow:newuser:$5$w6al9BVN$0qE5zQFhqRDuKu0aF8FXb6QBPUm6GpNEcUK8rsxGS62:15144:::
# grep -i newuser /etc/passwd
newuser:x:102:100:newuser:/export/home/newuser:/bin/ksh
```

```

# grep -i newgroup /etc/group
newgroup::100:
# grep -i 102 /etc/passwd
newuser:x:102:100:newuser:/export/home/newuser:/bin/ksh
# su - newuser
Oracle Corporation      SunOS 5.11      snv_151a      November 2010
$ id
uid=102(newuser) gid=100(newgroup) groups=100(newgroup)
$ groups
newgroup
$ id
uid=102(newuser) gid=100(newgroup) groups=100(newgroup)
$ exit
# ssh -l newuser 192.168.1.5
The authenticity of host '192.168.1.5 (192.168.1.5)' can't be established.
RSA key fingerprint is 16:c0:ec:37:f8:e3:0e:c4:03:ea:ff:a0:14:38:94:2d.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.168.1.5' (RSA) to the list of known hosts.
Password:
Last login: Sat Jun 18 22:58:19 2011 from mysolaris
Oracle Corporation      SunOS 5.11      snv_151a      November 2010
$ id
uid=102(newuser) gid=100(newgroup) groups=100(newgroup)
$ who am i
newuser pts/3          2011-06-18 22:58 (mysolaris)
$ whoami
newuser
$ groups
newgroup
$ id
uid=102(newuser) gid=100(newgroup) groups=100(newgroup)
$ id -g
100
$ id -u
102
$ exit
Connection to 192.168.1.5 closed.
# exit
# id
uid=0(root) gid=0(root) groups=0(root),1(other),2(bin),3(sys),4(adm),5(uucp),6(mail),7(tty),8(lp),9(nuucp),12(daemon)
# grep -i newuser /etc/passwd
newuser:x:102:100:newuser:/export/home/newuser:/bin/ksh
# usermod
UX: usermod: ERROR: Invalid syntax.
usage: usermod -u uid [-o] | -g group | -G group[[,group]...] |
        -d dir [-m] | -s shell | -c comment |
        -l new_logname | -f inactive | -e expire |
        -A authorization [, authorization ...] | -K key=value ... |
        -P profile [, profile ...] | -R role [, role ...] login
# usermod -s /bin/bash newuser
# grep -i newuser /etc/passwd
newuser:x:102:100:newuser:/export/home/newuser:/bin/bash
# groupadd developers
UX: groupadd: developers name too long.
# groupadd dev
# grep -i dev /etc/group
developers::101:
dev::102:
# groupdel developers
# grep -i dev /etc/group
dev::102:
# usermod -g dev newuser
# grep -i newuser passwd
newuser:x:102:102:newuser:/export/home/newuser:/bin/bash
# su - newuser
Oracle Corporation      SunOS 5.11      snv_151a      November 2010
newuser@MySolaris:~$ id
uid=102(newuser) gid=102(dev) groups=102(dev)
$ id -g
102
$ groups
dev
$ exit
logout
#
# id
uid=0(root) gid=0(root) groups=0(root),1(other),2(bin),3(sys),4(adm),5(uucp),6(mail),7(tty),8(lp),9(nuucp),12(daemon)
# su - newuser
Oracle Corporation      SunOS 5.11      snv_151a      November 2010
$ id
uid=102(newuser) gid=102(dev) groups=102(dev)
$ who am i
$ whoami

```

```

newuser
$ groups
dev
$ pwd
/export/home/newuser
$ grep -i admin /etc/group
sysadmin::14:
$ id
uid=102(newuser) gid=102(dev) groups=102(dev)
$ exit
logout
# id
uid=0(root) gid=0(root) groups=0(root),1(other),2(bin),3(sys),4(adm),5(uucp),6(mail),7(tty),8(lp),9(nuucp),12(daemon)
# groupadd admin
# grep -i admin /etc/group
sysadmin::14:
admin::103:
$ exit
logout
# usermod
UX: usermod: ERROR: Invalid syntax.
usage: usermod -u uid [-o] | -g group | -G group[[,group]...] |
        -d dir [-m] | -s shell | -c comment |
        -l new_logname | -f inactive | -e expire |
        -A authorization [, authorization ...] | -K key=value ... |
        -P profile [, profile ...] | -R role [, role ...] login
# usermod -G dev,admin newuser
# grep -i newuser /etc/passwd
newuser:x:102:102:newuser:/export/home/newuser:/bin/bash
# su - newuser
Oracle Corporation      SunOS 5.11      snv_151a      November 2010
$ id
uid=102(newuser) gid=102(dev) groups=102(dev),103(admin)
$ groups
dev admin
$ id -g
102
$ id -G
102 103
$ id -u
102
$ id
uid=102(newuser) gid=102(dev) groups=102(dev),103(admin)
$ exit
logout
# groupdel admin
# groupdel dev
# grep -i dev /etc/group
# grep -w admin /etc/group
# grep -i newuser /etc/passwd
newuser:x:102:102:newuser:/export/home/newuser:/bin/bash
# id
uid=0(root) gid=0(root) groups=0(root),1(other),2(bin),3(sys),4(adm),5(uucp),6(mail),7(tty),8(lp),9(nuucp),12(daemon)
# cd /export/home
# ls -l
total 3
drwxr-xr-x  2 newuser other  9 2011-06-18 23:06 newuser
# pwd
/export/home
# useradd dev
# userdel dev
# groupadd dev
# usermod -g dev newuser
# ls -ld newuser
drwxr-xr-x 2 newuser dev 9 2011-06-18 23:06 newuser
#groupdel dev
# ls -ld newuser
drwxr-xr-x 2 newuser 101 9 2011-06-18 23:06 newuser
# groupadd admin
root@MySolaris:/export/home# grep -w admin /etc/group
admin::101:
# chown newuser:admin newuser
drwxr-xr-x 2 newuser admin 9 2011-06-18 23:06 newuser
# groupdel admin
# ls -ld newuser
drwxr-xr-x 2 newuser 101 9 2011-06-18 23:06 newuser
# userdel
usage: userdel [-r] login
# pwd
/export/home
# ls -l
total 3
drwxr-xr-x  2 newuser  101  9 2011-06-18 23:06 newuser

```

```
# userdel -r newuser
# pwd
/export/home
# grep -i newuser /etc/passwd /etc/shadow /etc/group
# groupmod
UX: groupmod: ERROR: invalid syntax.
usage: groupmod -g gid [-o] | -n name group
# groupmod
UX: groupmod: ERROR: invalid syntax.
usage: groupmod -g gid [-o] | -n name group
# groupadd dev
# grep -i dev /etc/group
dev::101:
# groupmod
UX: groupmod: ERROR: invalid syntax.
usage: groupmod -g gid [-o] | -n name group
# groupmod -n newdev dev
# grep -i dev /etc/group
newdev::101:
# groupmod -g 104 newdev
# grep -i 104 /etc/group
newdev::104:
# groupmod -g 101 newdev
newdev::101:
# groupdel newdev
# groupdel newgroup
```

Please click on "[man useradd](#)" to see the Manual Page for this command.

Please click on "[man userdel](#)" to see the Manual Page for this command.

Please click on "[man usermod](#)" to see the Manual Page for this command.

Please click on "[man groupadd](#)" to see the Manual Page for this command.

Please click on "[man groupdel](#)" to see the Manual Page for this command.

Please click on "[man groupmod](#)" to see the Manual Page for this command.