

**№7**

Linux.

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-03-23



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- touch - fsck - mkfs - kill
- mount - cat - less - ls
- chmod - rm - cp - mv



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```

osturaeva@dk2n22 ~$ cp -r ~/feathers ~/file.old
cp: невозможно переименовать передв. файла '/afs/dk.sci.pfu.edu.ru/home/o/m/osturaeva/file.old', не являющегося каталогом, каталог '/afs/dk.sci.pfu.edu.ru/home/o/m/osturaeva/feathers'
osturaeva@dk2n22 ~$ mv ~/file/old ~/play
mv: не удалось выполнить stat для '/afs/dk.sci.pfu.edu.ru/home/o/m/osturaeva/file/old': Нет такого файла или каталога
osturaeva@dk2n22 ~$ mv ~/file.old ~/play
osturaeva@dk2n22 ~$ cp -r ~/play ~/fun
osturaeva@dk2n22 ~$ mv ~/fun ~/play
osturaeva@dk2n22 ~$ mv ~/fun/play ~/fun/games
mv: не удалось выполнить stat для '/afs/dk.sci.pfu.edu.ru/home/o/m/osturaeva/fun/play': Нет такого файла или каталога
osturaeva@dk2n22 ~$ ls
bin      dir      GNUstep  morefun  мimos    play     public_html  text1    work    Документы  Изображения  Общедоступные  'Снимки экрана'
COURSE   feathers letters  nisk     parentdir  public     PycharmProjects  tap      Видео     Загрузки    Музыка        'Рабочий стол'  Шаблоны
osturaeva@dk2n22 ~$ cd play
bash: cd: play: Это не каталог
osturaeva@dk2n22 ~$ ls
bin      dir      GNUstep  morefun  мimos    play     public_html  text1    work    Документы  Изображения  Общедоступные  'Снимки экрана'
COURSE   feathers letters  nisk     parentdir  public     PycharmProjects  tap      Видео     Загрузки    Музыка        'Рабочий стол'  Шаблоны
osturaeva@dk2n22 ~$ mkdir plat
osturaeva@dk2n22 ~$ mkdir play
mkdir: невозможно создать каталог «play»: файл существует
osturaeva@dk2n22 ~$ rm play
osturaeva@dk2n22 ~$ mkdir play
osturaeva@dk2n22 ~$ cd play
osturaeva@dk2n22 ~/play $ mv fun games
mv: не удалось выполнить stat для 'fun': Нет такого файла или каталога
osturaeva@dk2n22 ~/play $ ls
osturaeva@dk2n22 ~/play $ mkdir games
osturaeva@dk2n22 ~/play $ touch file.old
osturaeva@dk2n22 ~/play $ mv fun games
mv: не удалось выполнить stat для 'fun': Нет такого файла или каталога
osturaeva@dk2n22 ~/play $ mkdir fun
osturaeva@dk2n22 ~/play $ mv fun games
osturaeva@dk2n22 ~/play $ ls
file     old     games

```

. 1:





2.1. /usr/include/sys/io.h equipment. 2.2.  
 ~ /ski.plases. 2.3. equipment ~ /ski.plases. 2.4.  
 ~ /ski.plases/equipment ~ /ski.plases/equiplist.

```
onturaev@dk2n22 ~ $ cd /usr/include/sys/io.h equipment
onturaev@dk2n22 ~ $ ls
bin  dir  feathers  letters  nisk  parentdir  play  public_html  ski.plases  tar  Видео  Загрузки  Музыка  'Рабочий стол'  Виблонь
COURSE  equipment  GNUstep  morefun  mmos  plat  public  PycharaProjects  text1  work  Документы  Изображения  Общедоступные  'Синий экран'
```

```
onturaev@dk2n22 ~ $ mkdir ~/ski.plases
mkdir: незнакомая опция: ~/ski.plases
onturaev@dk2n22 ~ $ mv equipment ski.plases
onturaev@dk2n22 ~ $ mv ~/ski.plases/equipment ~/ski.plases/equiplist
onturaev@dk2n22 ~ $ ls ski.plases
equiplist
onturaev@dk2n22 ~ $
```

. 2:

2.5.	abc1	~/ski.plases,	equiplist2.
2.6.	equipment	~/ski.plases.	2.7.
~/ski.plases/equiplist	equiplist2	~/ski.plases/equipment.	2.8.
~/newdir	~/ski.plases	plans.	

```

omturaeva@dk2n22 ~ $ touch abc1
omturaeva@dk2n22 ~ $ cp ~/ski.plases equiplist2
cp: не указан -r; пропускается каталог '/afs/.dk.sci.pfu.edu.ru/home/o/m/omturaeva/ski.plases'
omturaeva@dk2n22 ~ $ cp -r ~/ski.plases equiplist2
omturaeva@dk2n22 ~ $ cd ~/ski.plases
omturaeva@dk2n22 ~/ski.plases $ ls
equiplist
omturaeva@dk2n22 ~/ski.plases $ cp ~/abc1 equiplist2
omturaeva@dk2n22 ~/ski.plases $ ls
equiplist equiplist2
omturaeva@dk2n22 ~/ski.plases $ mkdir equipment
omturaeva@dk2n22 ~/ski.plases $ ls
equiplist equiplist2 equipment
omturaeva@dk2n22 ~/ski.plases $ mv equiplist equiplist2 equipment
omturaeva@dk2n22 ~/ski.plases $ ls equipment
equiplist equiplist2
omturaeva@dk2n22 ~/ski.plases $ mkdir ~/newdir
omturaeva@dk2n22 ~/ski.plases $ mv ~/newdir plans
omturaeva@dk2n22 ~/ski.plases $ ls
equipment plans
omturaeva@dk2n22 ~/ski.plases $

```





chmod,

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## drwxr-r- ... australia

```

omturaeva@dk2n22 ~ $ chmod g-x australia
omturaeva@dk2n22 ~ $ chmod o-x australia
omturaeva@dk2n22 ~ $ ls -l australia
итого 0
omturaeva@dk2n22 ~ $ ls -l
итого 57
-rw-r--r-- 1 omturaeva studsci  0 мар 15 16:49 abc1
drwxr--r-- 2 omturaeva studsci 2048 мар 15 16:58 australia
drwxr-xr-x 2 omturaeva studsci 2048 мар 14 18:53 bin
-rw-r--r-- 1 omturaeva studsci  9 фев 28 14:17 COURSE
drwxr-xr-x 3 omturaeva studsci 2048 сен 14 2023 dir
drwxr-xr-x 2 omturaeva studsci 2048 мар 15 16:50 equiplest2
drwxr-xr-x 2 omturaeva studsci 2048 мар 15 15:58 feathers
drwxr-xr-x 3 omturaeva studsci 2048 дек 8 18:07 GNUstep
drwxr-xr-x 2 omturaeva studsci 2048 мар 7 15:21 letters
drwxr-xr-x 2 omturaeva studsci 2048 фев 28 16:51 morefun
drwxr-xr-x 2 omturaeva studsci 2048 мар 7 15:21 nisk
drwxr-xr-x 2 omturaeva studsci 2048 мар 7 15:21 nwmos
drwxr-xr-x 3 omturaeva studsci 2048 сен 14 2023 parentdir
drwxr-xr-x 2 omturaeva studsci 2048 мар 15 16:39 plat
drwxr-xr-x 3 omturaeva studsci 2048 мар 15 16:44 play
drwxr-xr-x 3 omturaeva root 2048 сен 7 2023 public
lrwxr-xr-x 1 omturaeva root 18 фев 16 07:46 public_html -> public/public_html
drwxr-xr-x 3 omturaeva studsci 2048 сен 28 10:56 PycharmProjects
drwxr-xr-x 5 omturaeva studsci 2048 мар 15 16:56 ski.plases
-rw-r--r-- 1 omturaeva studsci 28 сен 14 2023 text1
drwxr-xr-x 2 omturaeva studsci 2048 дек 8 18:05 tmp
drwxr-xr-x 6 omturaeva studsci 2048 мар 14 19:35 work
drwxr-xr-x 2 omturaeva studsci 2048 дек 22 17:52 Видео
drwxr-xr-x 2 omturaeva studsci 2048 фев 26 20:20 Документы
drwxr-xr-x 3 omturaeva studsci 2048 мар 15 15:30 Загрузки
drwxr-xr-x 3 omturaeva studsci 2048 дек 22 17:47 Изображения
drwxr-xr-x 2 omturaeva studsci 2048 сен 7 2023 Музыка

```

drwx-x-x ... play

```

omturaeva@dk2n22 ~ $ chmod o-r play
omturaeva@dk2n22 ~ $ ls -l
итого 57
-rw-r--r-- 1 omturaeva studsci    0 мар 15 16:49 abc1
drwxr--r-- 2 omturaeva studsci 2048 мар 15 16:58 australia
drwxr-xr-x 2 omturaeva studsci 2048 мар 14 18:53 bin
-rw-r--r-- 1 omturaeva studsci    9 фев 28 14:17 COURSE
drwxr-xr-x 3 omturaeva studsci 2048 сен 14 2023 dir
drwxr-xr-x 2 omturaeva studsci 2048 мар 15 16:50 equiplest2
drwxr-xr-x 2 omturaeva studsci 2048 мар 15 15:58 feathers
drwxr-xr-x 3 omturaeva studsci 2048 дек  8 18:07 GNUstep
drwxr-xr-x 2 omturaeva studsci 2048 мар  7 15:21 letters
drwxr-xr-x 2 omturaeva studsci 2048 фев 28 16:51 morefun
drwxr-xr-x 2 omturaeva studsci 2048 мар  7 15:21 nisk
drwxr-xr-x 2 omturaeva studsci 2048 мар  7 15:21 nwmos
drwxr-xr-x 3 omturaeva studsci 2048 сен 14 2023 parentdir
drwxr-xr-x 2 omturaeva studsci 2048 мар 15 16:39 plat
drwxr-x--x 3 omturaeva studsci 2048 мар 15 16:44 play
drwxr-xr-x 2 omturaeva studsci 2048 сен  7 2023 public

```

. 5:

## 3.3

-r-xr-r- ... my\_os

```
omturaeva@dk2n22 ~ $ chmod u-w my_os
omturaeva@dk2n22 ~ $ chmod u*x my_os
chmod: неверный режим: «u*x»
По команде «chmod --help» можно получить дополнительную информацию.
omturaeva@dk2n22 ~ $ chmod u+x my_os
omturaeva@dk2n22 ~ $ ls -l
итого 59
-rw-r--r-- 1 omturaeva studsci 0 мар 15 16:49 abc1
drwxr--r-- 2 omturaeva studsci 2048 мар 15 16:58 australia
drwxr-xr-x 2 omturaeva studsci 2048 мар 14 18:53 bin
-rw-r--r-- 1 omturaeva studsci 9 фев 28 14:17 COURSE
drwxr-xr-x 3 omturaeva studsci 2048 сен 14 2023 dir
drwxr-xr-x 2 omturaeva studsci 2048 мар 15 16:50 equiplest2
drwxr-xr-x 2 omturaeva studsci 2048 мар 15 15:58 feathers
drwxr-xr-x 3 omturaeva studsci 2048 дек 8 18:07 GNUstep
drwxr-xr-x 2 omturaeva studsci 2048 мар 7 15:21 letters
drwxr-xr-x 2 omturaeva studsci 2048 фев 28 16:51 morefun
dr-xr-xr-x 2 omturaeva studsci 2048 мар 15 17:01 my_os
drwxr-xr-x 2 omturaeva studsci 2048 мар 7 15:21 nisk
drwxr-xr-x 2 omturaeva studsci 2048 мар 7 15:21 nwmos
drwxr-xr-x 3 omturaeva studsci 2048 сен 14 2023 parentdir
```

-rw-rw-r- ... feathers

```
omturaeva@dk2n22 ~ $ cat ~/feathers
cat: /afs/.dk.sci.pfu.edu.ru/home/o/m/omturaeva/feathers: Это каталог
omturaeva@dk2n22 ~ $
```

. 7:



4.1.                      /etc/password. (                      ) 4.2.                      ~/feathers  
       ~/file.old.ls 4.3.                      ~/file.old                      ~/play. 4.4.                      ~/play  
 ~/fun. 4.5.                      ~/fun                      ~/play                      games.

```
omturaeva@dk2n22 ~ $ cp feathers
cp: после 'feathers' пропущен операнд, задающий целевой файл
По команде «cp --help» можно получить дополнительную информацию.
omturaeva@dk2n22 ~ $
```

. 8:

4.6.

~/feathers

. 4.7.

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~/feathers

cat? 4.8.

,

~/feathers?

```

omturaeva@dk2n22 ~ $ cd
omturaeva@dk2n22 ~ $ chmod u-r feathers
omturaeva@dk2n22 ~ $ chmod u+r feathers
omturaeva@dk2n22 ~ $

```

. 9:



4.9. ~/feathers .

```
omturaeva@dk2n22 ~ $ chmod u-x ~/play
omturaeva@dk2n22 ~ $ cd play
omturaeva@dk2n22 ~/play $ ls -l
итого 7
-rw-r--r-- 1 omturaeva studsci 5086 map 15 16:44 equipment
-rw-r--r-- 1 omturaeva studsci 0 map 15 16:42 file.old
drwxr-xr-x 3 omturaeva studsci 2048 map 15 16:43 games
omturaeva@dk2n22 ~/play $ cd
```

. 10:

4.10.

~/play

. 4.11.

~/play.

?

(

```

omturaeva@dk2n22 ~ $ chmod u+x ~/play
omturaeva@dk2n22 ~ $ ls -l
итого 59
-rw-r--r-- 1 omturaeva studsci    0 мар 15 16:49 abc1
drwxr--r-- 2 omturaeva studsci 2048 мар 15 16:58 australia
drwxr-xr-x 2 omturaeva studsci 2048 мар 14 18:53 bin
-rw-r--r-- 1 omturaeva studsci    9 фев 28 14:17 COURSE
drwxr-xr-x 3 omturaeva studsci 2048 сен 14 2023 dir
drwxr-xr-x 2 omturaeva studsci 2048 мар 15 16:50 equiplest2
drwxr-xr-x 2 omturaeva studsci 2048 мар 15 15:58 feathers
drwxr-xr-x 3 omturaeva studsci 2048 дек  8 18:07 GNUstep
drwxr-xr-x 2 omturaeva studsci 2048 мар  7 15:21 letters
drwxr-xr-x 2 omturaeva studsci 2048 фев 28 16:51 morefun
drwxr-xr-x 2 omturaeva studsci 2048 мар 15 17:01 my_oe

```

. 11:

## 4.12.

~/play

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```

mount(8)                                     System Administration                                mount(8)
NAME
    mount - mount a filesystem

SYNOPSIS
    mount [-h|-V]

    mount [-t fstype]

    mount [-o options] [-t fstype] [-o options]

    mount [-fnorw] [-o options] device|mountpoint

    mount [-fnorw] [-t fstype] [-o options] device mountpoint

    mount --bind|--rbind|--move olddir newdir

    mount --make[shared]slaveprivatenoubindablersharedrslaverprivaterunubindable] mountpoint

DESCRIPTION
    All files accessible in a Unix system are arranged in one big tree, the file hierarchy, rooted at /. These files can be spread out over several devices. The mount command serves to attach the filesystem found on some device to the big file tree. Conversely, the umount(8) command will detach it again. The filesystem is used to control how data is stored on the device or provided in a virtual way by network or other services.

    The standard form of the mount command is:

        mount -t type device dir

    This tells the kernel to attach the filesystem found on device (which is of type type) at the directory dir. The option -t type is optional. The mount command is usually able to detect a filesystem. The root permissions are necessary to mount a filesystem by default. See section "Non-superuser mounts" below for more details. The previous contents (if any) and owner and mode of dir become invisible, and as long as this filesystem remains mounted, the pathname dir refers to the root of the filesystem on device.

    If only the directory or the device is given, for example:

        mount dir

    then mount looks for a mountpoint (and if not found then for a device) in the /etc/fstab file. It's possible to use the --target or --source options to avoid ambiguous interpretation of the given argument. For example:

        mount --target /mountpoint

    The same filesystem may be mounted more than once, and in some cases (e.g., network filesystems) the same filesystem may be mounted on the same mountpoint multiple times. The mount command does not implement any policy to control this behavior. All behavior is controlled by the kernel and it is usually specific to the filesystem driver. The exception is --all, in this case already mounted filesystems are ignored (see --all below for more details).

Manual page mount(8) line 1 (press h for help or q to quit)

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. 12:



man

mount, fsck, mkfs, kill

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. 13: man

man mount

. **14:** man mount

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kill(1)                                     User Commands                               kill(1)

NAME
    kill - send a signal to a process

SYNOPSIS
    kill [options] <pid> [...]

DESCRIPTION
    The default signal for kill is TERM. Use -l or -L to list available signals. Particularly useful signals include HUP, INT, KILL, STOP, CONT, and 0. Alternate signals may be specified in three ways: -9, -SIGKILL or -KILL. Negative PID values may be used to choose whole process groups; see the PGID column in ps command output. A PID of -1 is special; it indicates all processes except the kill process itself and init.

OPTIONS
    <pid> [...]
        Send signal to every <pid> listed.

    -<signal>
    -s <signal>
    --signal <signal>
        Specify the signal to be sent. The signal can be specified by using name or number. The behavior of signals is explained in signal\(7\) manual page.

    -q, --queue <value>
        Use sigqueue\(3\) rather than kill\(2\) and the value argument is used to specify an integer to be sent with the signal. If the receiving process has installed a handler for this signal using the SA_SIGINFO flag to sigaction\(2\), then it can obtain this data via the si_value field of the siginfo\_t structure.

    -l, --list [<signal>]
        List signal names. This option has optional argument, which will convert signal number to signal name, or other way round.

    -L, --table
        List signal names in a nice table.

NOTES
    Your shell (command line interpreter) may have a built-in kill command. You may need to run the command described here as /bin/kill to solve the conflict.

EXAMPLES
    kill -9 -1
        Kill all processes you can kill.

    kill -1 11
        Translate number 11 into a signal name.

    kill -L
        List the available signal choices in a nice table.

    kill 123 543 2341 3453

```

Manual page kill(1) line 1 (press h for help or q to quit)

## . 15: man fsck

```
omturaeva@dk2n22 ~ $ man mount  
omturaeva@dk2n22 ~ $ man fsck  
omturaeva@dk2n22 ~ $ man mkfs  
omturaeva@dk2n22 ~ $ man kill
```

. 16: man mkfs





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