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Linux, , .
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- 1) .
- 2.1) /usr/include/io.h .

```
[amnazarov@fedora ~]$ cp /usr/include/sys/io.h ~/equipment
[amnazarov@fedora ~]$ ls
'\
'2023-02-25 12-15-44.mkv' '2023-02-25 22-01-57.mkv' ba
'2023-02-25 12-15-44.mp4' '2023-02-25 23-42-29.mkv' bin
'2023-02-25 12-15-44.mp4' '2023-02-25 23-44-14.mkv' '~equipment'
'2023-02-25 12-19-33.mkv' '2023-03-02 09-32-55.mkv' equipment
```

Figure 1:

- 2.2) ski.plases .

```
[amnazarov@fedora ~]$ mkdir ~/ski.plases
[amnazarov@fedora ~]$ mv equipment ~/ski.plases/equipment
```

Figure 2:

- 2.3) equipment equiplist.

```
[amnazarov@fedora ~]$ mv ~/ski.plases/equipment ~/ski.plases/equiplist
[amnazarov@fedora ~]$ touch abc1
```

Figure 3:

- 2.4) abc1 ski equiplist2.
- 2.5) newdir ski.plases plans.
- 3) , .
- 4.1) password, .
- 4.2) feathers file.old.
- 4.3) play.
- 4.4) play fun.
- 4.5) play games.

```
[amnazarov@fedora ~]$ touch abc1
[amnazarov@fedora ~]$ cp ~/ski.plases/equiplist2
cp: после '/home/amnazarov/ski.plases/equiplist2' пропущен операнд, задающий це
левой файл
По команде «cp --help» можно получить дополнительную информацию.
[amnazarov@fedora ~]$ cp abc1 ~/ski.plases/equiplist2
```

Figure 4: abc1

```
[amnazarov@fedora ~]$ mkdir ~/newdir
mkdir: невозможно создать каталог «/home/amnazarov/newdir»: Файл существует
[amnazarov@fedora ~]$ mv newdir ski.plases
```

Figure 5: newdir

```
[amnazarov@fedora ~]$ mkdir australia
[amnazarov@fedora ~]$ chmod u+r australia
[amnazarov@fedora ~]$ chmod u+w australia
[amnazarov@fedora ~]$ chmod u+r australi
chmod: невозможно получить доступ к 'australi': Нет такого файла или каталога
[amnazarov@fedora ~]$ chmod u+r australia
[amnazarov@fedora ~]$ chmod g+r australia
[amnazarov@fedora ~]$ chmod o+r australia
[amnazarov@fedora ~]$ ls -l
bash: ls -l: команда не найдена...
[amnazarov@fedora ~]$ ls -l]
ls: неверный ключ - «]»
По команде «ls --help» можно получить дополнительную информацию.
[amnazarov@fedora ~]$ ls -l
итого 1416340
-rw-----, 1 amnazarov amnazarov      2643 фев 24 23:59 '\ '
-rw-r--r--, 1 amnazarov amnazarov    328210 фев 25 12:15 '2023-02-25 12-15-44.m
kv'
-rw-r--r--, 1 amnazarov amnazarov    335925 фев 25 12:17 '2023-02-25 12-15-44.m
p4'
-rw-r--r--, 1 amnazarov amnazarov    310015 фев 25 12:19 '2023-02-25 12-19-33.m
kv'
```

Figure 6: australia

```
[amnazarov@fedora ~]$ mkdir play
[amnazarov@fedora ~]$ chmod u+r play
[amnazarov@fedora ~]$ chmod u+w play
bash: chmod: команда не найдена...
[amnazarov@fedora ~]$ chmod u+w play
[amnazarov@fedora ~]$ chmod u+x play
[amnazarov@fedora ~]$ chmod g+x play
[amnazarov@fedora ~]$ chmod o+x play
[amnazarov@fedora ~]$ ls -l
итого 1437912
-rw-----, 1 amnazarov amnazarov      2643 фев 24 23:59 '\ '
-rw-r--r--, 1 amnazarov amnazarov    328210 фев 25 12:15 '2023-02-25 12-15-44.m
kv'
-rw-r--r--, 1 amnazarov amnazarov    335925 фев 25 12:17 '2023-02-25 12-15-44.m
p4'
-rw-r--r--, 1 amnazarov amnazarov    310015 фев 25 12:19 '2023-02-25 12-19-33.m
kv'
-rw-r--r--, 1 amnazarov amnazarov    291733 фев 25 12:21 '2023-02-25 12-21-33.m
```

Figure 7: play

```

[amnazarov@fedora ~]$ touch my_os
[amnazarov@fedora ~]$ chmod u+r my_os
[amnazarov@fedora ~]$ chmod u+x my_os
[amnazarov@fedora ~]$ chmod g+r my_os
[amnazarov@fedora ~]$ chmod o+r my_os
[amnazarov@fedora ~]$ ls -l
итого 1450780
-rw-----, 1 amnazarov amnazarov    2643 фев 24 23:59 '\ '
-rw-r--r--, 1 amnazarov amnazarov   328210 фев 25 12:15 '2023-02-25 12-15-44.m
kv'
-rw-r--r--, 1 amnazarov amnazarov   335925 фев 25 12:17 '2023-02-25 12-15-44.m
p4'
-rw-r--r--, 1 amnazarov amnazarov   310015 фев 25 12:19 '2023-02-25 12-19-33.m
kv'
-rw-r--r--, 1 amnazarov amnazarov   291733 фев 25 12:21 '2023-02-25 12-21-33.m
kv'
-rw-r--r--, 1 amnazarov amnazarov   262892 фев 25 12:30 '2023-02-25 12-30-17.m
kv'

```

Figure 8: my_os

```

[amnazarov@fedora ~]$ touch feathers
[amnazarov@fedora ~]$ chmod u+r feathers
[amnazarov@fedora ~]$ chmod u+w feathers
[amnazarov@fedora ~]$ chmod g+r feathers
[amnazarov@fedora ~]$ chmod g+w feathers
[amnazarov@fedora ~]$ chmod o+r feathers
[amnazarov@fedora ~]$ ls -l
итого 1458792
-rw-----, 1 amnazarov amnazarov    2643 фев 24 23:59 '\ '
-rw-r--r--, 1 amnazarov amnazarov   328210 фев 25 12:15 '2023-02-25 12-15-44.m
kv'
-rw-r--r--, 1 amnazarov amnazarov   335925 фев 25 12:17 '2023-02-25 12-15-44.m
p4'
-rw-r--r--, 1 amnazarov amnazarov   310015 фев 25 12:19 '2023-02-25 12-19-33.m
kv'
-rw-r--r--, 1 amnazarov amnazarov   291733 фев 25 12:21 '2023-02-25 12-21-33.m
kv'
-rw-r--r--, 1 amnazarov amnazarov   262892 фев 25 12:30 '2023-02-25 12-30-17.m
kv'

```

Figure 9: feathers

```

[amnazarov@fedora ~]$ cat /etc/password
cat: /etc/password: Нет такого файла или каталога

```

Figure 10: password

```

cat: /etc/password: Нет такого файла или каталога
[amnazarov@fedora ~]$ cp feathers file.old

```

Figure 11:

```

[amnazarov@fedora ~]$ mv file.old play

```

Figure 12: play

```

[amnazarov@fedora ~]$ cp play fun/play

```

Figure 13: fun

```

[amnazarov@fedora ~]$ mv fun ~/play/games
[amnazarov@fedora ~]$ ls ~/play
file.old  games

```

Figure 14: fun

```
[amnazarov@fedora ~]$ chmod u-r feathers
```

Figure 15:

4.6) feathers .

4.7) cat, - , , .

```
[amnazarov@fedora ~]$ cat feathers
cat: feathers: Отказано в доступе
[amnazarov@fedora ~]$ cat feathers
```

Figure 16: feathers

4.8) , - , .

```
[amnazarov@fedora ~]$ cp feathers
cp: после 'feathers' пропущен операнд, задающий целевой файл
```

Figure 17: feathers

4.9) .

4.10) la .

4.11) play, , .

4.12) .

5) man : fsck,mkfs kill.

Man fsck. .

Man mkfs. .

man kill. - .

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, .

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1) , , .

- BTRFS (B-Tree Filesystem) — Unix- , ,

Copy on Write (CoW), ,

.

5. По команде «chmod --help» можно получить дополнительную информацию.
 [amnazarov@fedora ~]\$ chmod u+r feathers
 [amnazarov@fedora ~]\$ chmod u+x play

Figure 18:

[amnazarov@fedora ~]\$ chmod u-x play

Figure 19:

[amnazarov@fedora ~]\$ cd play
 bash: cd: play: Отказано в доступе

Figure 20:

[amnazarov@fedora ~]\$ chmod u+x play

Figure 21:

```
amnazarov@fedora:~ -- man fsck
FCK(8) System Administration FCK(8)

NAME
    fsck - check and repair a Linux filesystem

SYNOPSIS
    fsck [-lsAVRTMNP] [-r [fd]] [-C [fd]] [-t fstype] [filesystem...] [--]
    [fs-specific-options]

DESCRIPTION
    fsck is used to check and optionally repair one or more Linux
    filesystems. filesystem can be a device name (e.g., /dev/hdc1,
    /dev/sdb2), a mount point (e.g., /, /usr, /home), or an filesystem
    label or UUID specifier (e.g.,
    UUID=8868abf6-88c5-4a83-98b8-bfc24057f7bd or LABEL=root). Normally,
    the fsck program will try to handle filesystems on different physical
    disk drives in parallel to reduce the total amount of time needed to
    check all of them.

    If no filesystems are specified on the command line, and the -A option
    is not specified, fsck will default to checking filesystems in
    /etc/fstab serially. This is equivalent to the -As options.

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

Figure 22: man fsck

```
amnazarov@fedora:~ -- man mkfs
MKFS(8) System Administration MKFS(8)

NAME
    mkfs - build a Linux filesystem

SYNOPSIS
    mkfs [options] [-t type] [fs-options] device [size]

DESCRIPTION
    This mkfs frontend is deprecated in favour of filesystem specific
    mkfs.<type> utils.

    mkfs is used to build a Linux filesystem on a device, usually a hard
    disk partition. The device argument is either the device name (e.g.,
    /dev/hda1, /dev/sdb2), or a regular file that shall contain the
    filesystem. The size argument is the number of blocks to be used for
    the filesystem.

    The exit status returned by mkfs is 0 on success and 1 on failure.
```

Figure 23: man mkfs


```

amnazarov@fedora:~ -- man kill
KILL(1)                                User Commands                                KILL(1)

NAME
    kill - terminate a process

SYNOPSIS
    kill [-signal|-s signal|-p] [-q value] [-a] [--timeout milliseconds
    signal] [--] pid/name...

    kill -l [number] | -L

DESCRIPTION
    The command kill sends the specified signal to the specified processes
    or process groups.

    If no signal is specified, the TERM signal is sent. The default action
    for this signal is to terminate the process. This signal should be
    used in preference to the KILL signal (number 9), since a process may
    install a handler for the TERM signal in order to perform clean-up
    steps before terminating in an orderly fashion. If a process does not

```

Figure 24: man kill

2)

- `kill` () - /bin, /usr
- `kill` () - /var, /tmp.
- `kill` () - /etc.
- `kill` () - /etc/fstab, /etc/
- `kill` () - /etc/rc0.d /etc/rc6.d
- `kill` () - /etc/inittab. /home
- `kill` () - /lib.
- `kill` () - /bin,/sbin.
- `kill` () - /usr/sbin
- `kill` () - /usr/local/sbin, /usr.
- `kill` () - /usr/include
- `kill` () - /usr/local
- `kill` () - /usr/share
- `kill` () - /usr/share/doc,

/var, /tmp.

3) , ?

- cd , less .

4) ?

- : - -
; ; ; ;
: , ,

5) ?

- Linux - ,
Ext2fs - /sbin/mke2fs,
/ sbin/mkfs, /sbin/mkfs.ext2 XFS
-mkfs.xfs (xfsprogs). ext3fs -mke2fs j.
ReiserFS - /sbin/mkreiserfs reiserfsprogs.

6) .

- -cat. (cat -) . -less . (less -)
-head. 10 . (head [-n] -), n
— tail . (10) . (tail
[-n] -),n —

7) cp Linux.

- cp (cp[-] — —)
:- — i cp ,
(.. ,
) - cp r (recursive)

8) mv Linux.

- mv mvdir . (mv [-] —
—) i.

9) ? ?

- - , ,
(, ,)
—) -chmod.(chmod ,
()
:- = - “_” - “+” - r - w
- x - u (user) - g (group) ,
(others) .

