
0.1 Front matter

title: “ 5” subtitle: “ Linux.
” author: “ ”

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Linux, , .
(),
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1. , .
2. ,
: 2.1. /usr/include/sys/io.h
equipment. io.h , /usr/include/sys/
. 2.2. ~/ski.plases. 2.3.
equipment ~/ski.plases. 2.4. ~/ski.plases/equipment
~/ski.plases/equiplist. 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.

3

1. , .
 - touch (. ??)
 - cat
 - less (. ??)
 - 3 head (. ??)
- 2.
3. ,
:
 - 2.1. /usr/include/sys/io.h equipment.
io.h , /usr/include/sys/ . . ??)
 - 2.2. ~/ski.plases.

- 2.3. equipment ~/ski.places. . ??)
- 2.4. ~/ski.places/equipment ~/ski.places/equiplist. . ??)
- 2.5. abc1 ~/ski.places, equiplist2. . ??)
- 2.6. equipment ~/ski.places.
- 2.7. ~/ski.places/equiplist equiplist2 ~/ski.places/equipment. . ??)
- 2.8. ~/newdir ~/ski.places plans. . ??)

3. chmod, , .

drwxr-r-... australia1: «chmod 744 australia» (, -fig. ??). drwx-x-x ...

play1: «chmod 711 play» (, -fig. ??). -r-xr-r-... my_os1: «chmod 544 my_os» (, -fig. ??). -rw-rw-r-... feathers1: «chmod 664 feathers» (, «ls-l»

4. . 4.1. /etc/password. . ??)

4.2. ~/feathers ~/file.old. 4.3. ~/file.old ~/play.

4.4. ~/play ~/fun. 4.5. ~/fun ~/play

games. 4.6. ~/feathers1 . 4.7.

~/feathers cat (, . .

.) 4.8. ~/feathers? (, ,

) 4.9. ~/feathers . 4.10. ~/play

. 4.11. ~/play. ? 4.12. ~/play

5. «man mount», «man fsck», «man mkfs», «man kill», (. -fig. ??), (-fig. ??, -fig. ??, -fig. ??, -fig. ??). 5.1. mount: , () (Unix , , () (). mount . mount : «mount -t vfstype device dir». () vfstype, device, dir, .

5.2. fsck: , Linux. , fsck : fsck [] -[] [. . .]. ,

(« ») /dev/sdb2,
 : «sudo fsck -y /dev/sdb2». -y , ..
 .

5.3. mkfs: Linux. : mkfs[-V] [-tfstype]
 [fs-options] filesys [blocks] mkfs Linux ,
 file sys
 (,/dev/hda1,/dev/sdb2) (,/,/usr,/home).
 blocks
 mkfs 0 - , 1 «mkfs -t ext2
 /dev/hdb1» ext 2 /dev/hdb1().

5.4. kill: : kill
 [] PID, PID – PID () PID ,
 «kill -KILL 3121» KILL
 PID 3121,
 ##
 1). , «df-Th».
 : dev tmpfs,tmpfs,ext4,iso9660.
 dev tmpfs tmpfs devtmpfs ,
 - /
 devtmpfs.devtmpfs /dev
 .tmpfs– Unix-
 , RAM .
 /tmp
 / tmpfs ,
 (HDD
). , , 2008 .
 .ext4– «Ext», «extentfile system»,
 , Ext4
 (delayed allocation –delalloc),
 CPU. , ,
 : 16TB; : 255 : 16 TB;
 : 16TB; : 255 : SSD;
 Etx- ;
 Ext3.ISO 9660– ,
 CD-ROM. CDFS
 (Compact Disc File System).
 , Unix, Mac OS, Windows.

2). Linux/UNIX
 , – 1024, 2048, 4096 8120 .
 Linux –/ (root,).
 () , “ ”
 .

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“/” — . Linux. , Linux.
    ,
    root , . “/BIN” — .
    ,
    . “/SBIN” — , “/bin”,
    , , /usr.
    , . “/ETC” —
    ,
    Init Scripts, ,
    . “/DEV” — Linux ,
    , —
/dev/. . “/PROC”
— , Pid,
    ,
    . “/VAR” — . “/var” ,
    ,
    . “/TMP” —
    ,
    . “/USR” —
    , , . “/HOME” —
    ,
    . “/BOOT” — ,
    vmlinuz, initrd, , /boot/grub. “/LIB” —
    , /bin
/sbin. “/OPT” —
    ,
    . “/MNT” —
    . “/MEDIA”
— —USB ,
    . “/SRV” — . “/RUN”
    , PID , “/var/run”,
TMPFS, . 3).
    mount.

4). — , —
    /
    fsck.

5). , mkfs. 5)
    .

6). :
at. cat —
:cat [ ] 1 2 ... :-b- -E-
$ -n- -s- -T-
^I-h- -v- nl. nl cat,
    . less. C
    , ,

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Linux, , (,) , .