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Linux

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shell: /bin/sh; /bin/csh; /bin/ksh.

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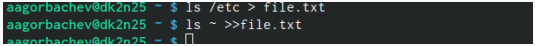
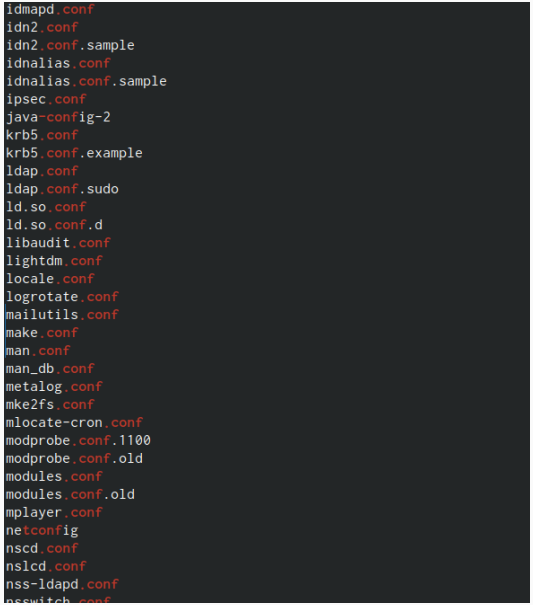
file.txt , /etc. - ,



. 1:

file.txt, .conf, conf.txt.

```
aagorbachev@dk2n25 ~ $ grep .conf file.txt
appstream.conf
brltty.conf
ca-certificates.conf
cachefilesd.conf
cfg-update.conf
chrome-flags.conf
chrony.conf
dconf
dhcpcd.conf
dispatch-conf.conf
dleyna-renderer-service.conf
dleyna-server-service.conf
dnsmasq.conf
dracut.conf
e2fsck.conf
e2scrub.conf
etc-update.conf
fluidsynth.conf
fuse.conf
gai.conf
gconf
genkernel.conf
gssapi_mech.conf
host.conf
i3blocks.conf
i3status.conf
idmapd.conf
idn2.conf
```


idmapd.conf
idn2.conf
idn2.conf.sample
idnalias.conf
idnalias.conf.sample
ipsec.conf
java-config-2
krb5.conf
krb5.conf.example
ldap.conf
ldap.conf.sudo
ld.so.conf
ld.so.conf.d
libaudit.conf
lightdm.conf
locale.conf
logrotate.conf
mailutils.conf
make.conf
man.conf
man_db.conf
metalog.conf
mke2fs.conf
mlocate-cron.conf
modprobe.conf.1100
modprobe.conf.old
modules.conf
modules.conf.old
mplayer.conf
netconfig
nscd.conf
nslcd.conf
nss-ldapd.conf
nsswitch.conf

. 3: conf.txt

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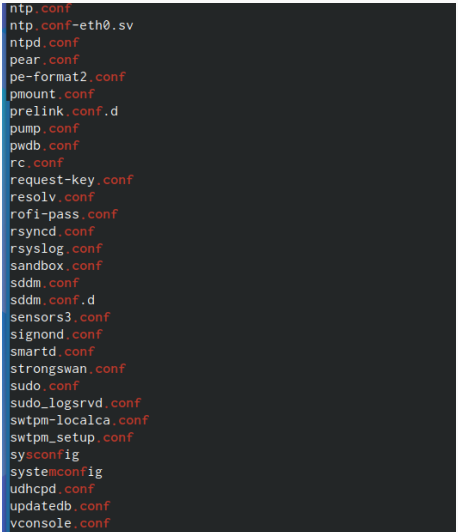
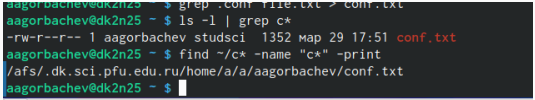

ntp.conf
ntp.conf-eth0.sv
ntpd.conf
pear.conf
pe-format2.conf
pmount.conf
prelink.conf.d
pump.conf
pwdb.conf
rc.conf
request-key.conf
resolv.conf
rofi-pass.conf
rsyncd.conf
rsyslog.conf
sandbox.conf
sddm.conf
sddm.conf.d
sensors3.conf
signond.conf
smartd.conf
strongswan.conf
sudo.conf
sudo_logsrvd.conf
swtpm-localca.conf
swtpm_setup.conf
sysconfig
systemconfig
udhcpd.conf
updatedb.conf
vconsole.conf

/etc, h

```
aagorbachev@dk2n25 ~ $ grep .conf file.txt > conf.txt
aagorbachev@dk2n25 ~ $ ls -l | grep c*
-rw-r--r-- 1 aagorbachev studsci  1352 мар 29 17:51 conf.txt
aagorbachev@dk2n25 ~ $ find ~/c* -name "c*" -print
/afs/.dk.sci.pfu.edu.ru/home/a/a/aagorbachev/conf.txt
aagorbachev@dk2n25 ~ $
```

##



. 5:

6

, ~/logfile , log, logfile.1

```
aagorbachev@dk2n25 ~ $ find ~ -name "log*" -print > ~/logfile &
[1] 36285
aagorbachev@dk2n25 ~ $ rm -r logfile
```

. 6:

gedit.

. 7: gedit

ps

aagorbachev@dk2n25 ~ $ ps aux | grep -l gedit
(стандартный ввод)
[1]+ Завершён gedit
aagorbachev@dk2n25 ~ $

. 8:

ps

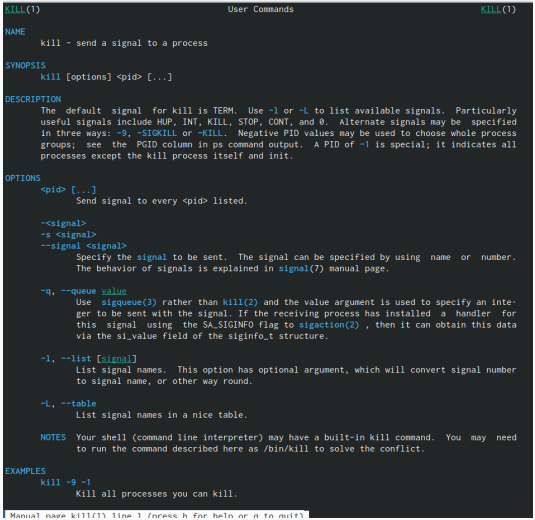
aagorbachev@dk2n25 ~ $ ps aux | grep -i gedit
aagorba+ 36369 0.0 0.0 6932 2372 pts/0 S+ 17:55 0:00 grep --colour=auto -i gedit
aagorbachev@dk2n25 ~ $

. 9:

10

kill

gedit


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

. 10:

```
aagorbachev@dk2n25 ~ $ kill 37641
bash: kill: (37641) - Нет такого процесса
aagorbachev@dk2n25 ~ $
```

. 11:

```
DF(1)                                User Commands                                DF(1)

NAME
       df - report file system space usage

SYNOPSIS
       df [OPTION]... [FILE]...

DESCRIPTION
       This  manual  page documents the GNU version of df.  df displays the amount of space available
       on the file system containing each file name argument.  If no file name is  given,  the  space
       available  on all currently mounted file systems is shown.  Space is shown in 1K blocks by de-
       fault, unless the environment variable POSIXLY_CORRECT is set, in which case  512-byte  blocks
       are used.

       If an argument is the absolute file name of a device node containing a mounted file system, df
       shows  the  space  available on that file system rather than on the file system containing the
       device node.  This version of df cannot show the space available on  unmounted  file  systems,
       because  on  most  kinds  of systems doing so requires non-portable intimate knowledge of file
       system structures.

OPTIONS
       Show information about the file system on which each FILE resides, or all file systems by  de-
       fault.

       Mandatory arguments to long options are mandatory for short options too.

       -a, --all
              include pseudo, duplicate, inaccessible file systems

       -B, --block-size=SIZE
              scale  sizes  by  SIZE  before  printing  them;  e.g.,  '-BM'  prints sizes in units of
              1,048,576 bytes; see SIZE format below

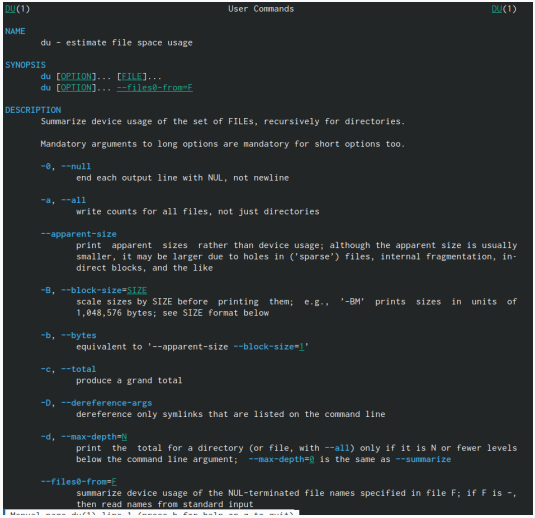
       -h, --human-readable
              print sizes in powers of 1024 (e.g., 1023M)

       -H, --si
              print sizes in powers of 1000 (e.g., 1.1G)

       -i, --inodes
              list inode information instead of block usage

       -k     like --block-size=1K
```

df du



```
DU(1)                                User Commands                                DU(1)

NAME
       du - estimate file space usage

SYNOPSIS
       du [OPTION]... [FILE]...
       du [OPTION]... --files0-from=F

DESCRIPTION
       Summarize device usage of the set of FILEs, recursively for directories.

       Mandatory arguments to long options are mandatory for short options too.

       -0, --null
              end each output line with NUL, not newline

       -a, --all
              write counts for all files, not just directories

       --apparent-size
              print  apparent  sizes  rather than device usage; although the apparent size is usually
              smaller, it may be larger due to holes in ('sparse') files, internal fragmentation, in-
              direct blocks, and the like

       -B, --block-size=SIZE
              scale sizes by SIZE before  printing  them;  e.g.,  '-BM'  prints  sizes  in  units  of
              1,048,576 bytes; see SIZE format below

       -b, --bytes
              equivalent to '--apparent-size --block-size=1'

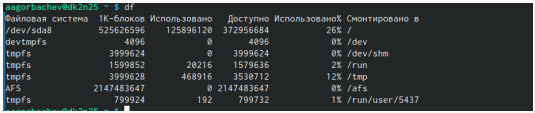
       -c, --total
              produce a grand total

       -D, --dereference-args
              dereference only symlinks that are listed on the command line

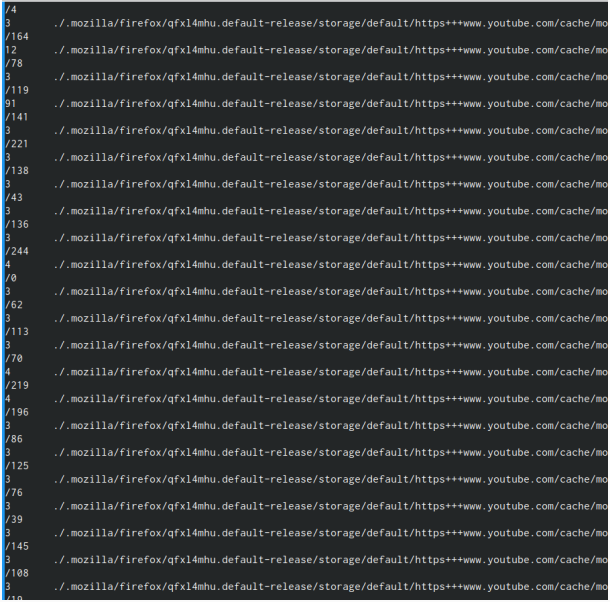
       -d, --max-depth=N
              print  the  total for a directory (or file, with --all) only if it is N or fewer levels
              below the command line argument;  --max-depth=0 is the same as --summarize

       --files0-from=F
              summarize device usage of the NUL-terminated file names specified in file F; if F is -,
              then read names from standard input
```

. 12: man df


aagorbachev@dk2n25 ~ $ df
Файловая система 1K-блоков Использовано Доступно Использовано% Смонтировано в
/dev/sda8 525626596 125896120 372956684 26% /
devtmpfs 4096 0 4096 0% /dev
tmpfs 3999624 0 3999624 0% /dev/shm
tmpfs 1599852 20216 1579636 2% /run
tmpfs 3999628 468916 3530712 12% /tmp
AFS 2147483647 0 2147483647 0% /afs
tmpfs 799924 192 799732 1% /run/user/5437

. 13: man du


/4
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/164
12 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/78
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/119
91 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/141
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/221
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/138
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/43
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/136
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/244
4 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/0
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/62
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/113
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/70
4 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/219
4 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/196
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/86
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/125
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/76
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/39
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/145
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo
/108
3 ./.mozilla/firefox/qfxl4mhu.default-release/storage/default/https+++www.youtube.com/cache/mo

. 14: df

12

find

```
sentation/image
60      ./work/study/2022-2023/Операционные системы/study_2022-2023_os-intro/project-personal/stage6
sentation
496     ./work/study/2022-2023/Операционные системы/study_2022-2023_os-intro/project-personal/stage6
2980    ./work/study/2022-2023/Операционные системы/study_2022-2023_os-intro/project-personal
7       ./work/study/2022-2023/Операционные системы/study_2022-2023_os-intro/presentation/report/bib
254     ./work/study/2022-2023/Операционные системы/study_2022-2023_os-intro/presentation/report/ima
15      ./work/study/2022-2023/Операционные системы/study_2022-2023_os-intro/presentation/report/pan
csl
59      ./work/study/2022-2023/Операционные системы/study_2022-2023_os-intro/presentation/report/pan
filters/pandocxnos
146     ./work/study/2022-2023/Операционные системы/study_2022-2023_os-intro/presentation/report/pan
filters
163     ./work/study/2022-2023/Операционные системы/study_2022-2023_os-intro/presentation/report/pan
434     ./work/study/2022-2023/Операционные системы/study_2022-2023_os-intro/presentation/report
49      ./work/study/2022-2023/Операционные системы/study_2022-2023_os-intro/presentation/presentati
mage
60      ./work/study/2022-2023/Операционные системы/study_2022-2023_os-intro/presentation/presentati
498     ./work/study/2022-2023/Операционные системы/study_2022-2023_os-intro/presentation
41047   ./work/study/2022-2023/Операционные системы/study_2022-2023_os-intro
41049   ./work/study/2022-2023/Операционные системы
41051   ./work/study/2022-2023
56588   ./work/study
40      ./work/arch-pc/lab06
42      ./work/arch-pc
56636   ./work
2       ./tmp
897     ./44
67      ./.pki/nssdb
69      ./.pki
1374    ./5
4       ./GNUstep/Library/Services
6       ./GNUstep/Library
8       ./GNUstep
1423    ./6
2       ./feathers
2       ./play/games
4       ./play
2       ./ski.plases/plans/morefun
4       ./ski.plases/plans
7       ./ski.plases/equipment
13      ./ski.plases
7       ./equiplist2
2       ./my_os
206682
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. 15:

. 16:

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