

Презентация по лабораторной работе №4

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Лабораторная работа №4

Цель работы

Приобрести практические навыки взаимодействия пользователя с системой посредством командной строки.

Команда ls и её опции

1. Опция a выводит содержимое на экран, включая скрытые файлы(рис.

```
[aybalkhanova@aybalkhanova tmp]$ ls -a
.
..
.com.google.Chrome.JHmbp9
.font-unix
.ICE-unix
systemd-private-4f698fe90f4847ffb4fef506af70b62a-chronyd.service-iMWrGV
systemd-private-4f698fe90f4847ffb4fef506af70b62a-colord.service-BCHxBr
systemd-private-4f698fe90f4847ffb4fef506af70b62a-dbus-broker.service-04khrx
systemd-private-4f698fe90f4847ffb4fef506af70b62a-geoclue.service-C5323W
systemd-private-4f698fe90f4847ffb4fef506af70b62a-low-memory-monitor.service-siaKhZ
systemd-private-4f698fe90f4847ffb4fef506af70b62a-ModemManager.service-y29U5V
systemd-private-4f698fe90f4847ffb4fef506af70b62a-power-profiles-daemon.service-nIYawm
systemd-private-4f698fe90f4847ffb4fef506af70b62a-rtkit-daemon.service-5DrYRM
systemd-private-4f698fe90f4847ffb4fef506af70b62a-switcheroo-control.service-zNTAFS
systemd-private-4f698fe90f4847ffb4fef506af70b62a-systemd-logind.service-LIptx7
systemd-private-4f698fe90f4847ffb4fef506af70b62a-systemd-oomd.service-HrCGE8
systemd-private-4f698fe90f4847ffb4fef506af70b62a-systemd-resolved.service-VCBrA7
systemd-private-4f698fe90f4847ffb4fef506af70b62a-upower.service-WLlbHn
.Test-unix
tracker-extract-3-files.1000
.X0-lock
.X1024-lock
.X1025-lock
.X11-unix
.X1-lock
.XIM-unix
```

1. Опция aLF выводит содержимое с подробной информацией на экран, включая скрытые файлы

```
[aybalkhanova@aybalkhanova tmp]$ ls -aLF
total 16
drwxrwxrwt. 22 root      root      520 Apr 26 20:10 ./
dr-xr-xr-x.  1 root      root      152 Oct 26 08:40 ../
drwx-----  2 aybalkhanova aybalkhanova  80 Apr 26 20:02 .com.google.Chrome.JHmbp9/
drwxrwxrwt.  2 root      root       40 Apr 26 20:01 .font-unix/
drwxrwxrwt.  2 root      root       80 Apr 26 20:01 .ICE-unix/
drwx-----  3 root      root       60 Apr 26 20:01 systemd-private-4f698fe90f4847ff
b4fef506af70b62a-chronyd.service-iMWrGV/
drwx-----  3 root      root       60 Apr 26 20:01 systemd-private-4f698fe90f4847ff
b4fef506af70b62a-colord.service-BCHxBr/
drwx-----  3 root      root       60 Apr 26 20:01 systemd-private-4f698fe90f4847ff
b4fef506af70b62a-dbus-broker.service-04khrx/
drwx-----  3 root      root       60 Apr 26 20:01 systemd-private-4f698fe90f4847ff
b4fef506af70b62a-geoclue.service-C5323W/
drwx-----  3 root      root       60 Apr 26 20:01 systemd-private-4f698fe90f4847ff
b4fef506af70b62a-low-memory-monitor.service-siaKhZ/
drwx-----  3 root      root       60 Apr 26 20:01 systemd-private-4f698fe90f4847ff
b4fef506af70b62a-ModemManager.service-y29U5V/
drwx-----  3 root      root       60 Apr 26 20:01 systemd-private-4f698fe90f4847ff
b4fef506af70b62a-power-profiles-daemon.service-nIYawm/
drwx-----  3 root      root       60 Apr 26 20:01 systemd-private-4f698fe90f4847ff
b4fef506af70b62a-rtkit-daemon.service-5DrYRM/
drwx-----  3 root      root       60 Apr 26 20:01 systemd-private-4f698fe90f4847ff
b4fef506af70b62a-switcheroo-control.service-zNTAFS/
drwx-----  3 root      root       60 Apr 26 20:01 systemd-private-4f698fe90f4847ff
b4fef506af70b62a-systemd-logind.service-LIptx7/
drwx-----  3 root      root       60 Apr 26 20:01 systemd-private-4f698fe90f4847ff
b4fef506af70b62a-systemd-oomd.service-HrCGE8/
```

2. Опция l выводит содержимое с подробной информацией на экран(рис.

```
[aybalkhanova@aybalkhanova tmp]$ ls -l
total 0
drwx-----. 3 root      root      60 Apr 26 20:01 systemd-private-4f698fe90f4847ffb4
fef506af70b62a-chronyd.service-iMWrGV
drwx-----. 3 root      root      60 Apr 26 20:01 systemd-private-4f698fe90f4847ffb4
fef506af70b62a-colord.service-BCHxBr
drwx-----. 3 root      root      60 Apr 26 20:01 systemd-private-4f698fe90f4847ffb4
fef506af70b62a-dbus-broker.service-04khrx
drwx-----. 3 root      root      60 Apr 26 20:01 systemd-private-4f698fe90f4847ffb4
fef506af70b62a-geoclue.service-C5323W
drwx-----. 3 root      root      60 Apr 26 20:01 systemd-private-4f698fe90f4847ffb4
fef506af70b62a-low-memory-monitor.service-siaKhZ
drwx-----. 3 root      root      60 Apr 26 20:01 systemd-private-4f698fe90f4847ffb4
fef506af70b62a-ModemManager.service-y29U5V
drwx-----. 3 root      root      60 Apr 26 20:01 systemd-private-4f698fe90f4847ffb4
fef506af70b62a-power-profiles-daemon.service-nIYawm
drwx-----. 3 root      root      60 Apr 26 20:01 systemd-private-4f698fe90f4847ffb4
fef506af70b62a-rtkit-daemon.service-5DrYRM
drwx-----. 3 root      root      60 Apr 26 20:01 systemd-private-4f698fe90f4847ffb4
fef506af70b62a-switcheroo-control.service-zNTAFS
drwx-----. 3 root      root      60 Apr 26 20:01 systemd-private-4f698fe90f4847ffb4
fef506af70b62a-systemd-logind.service-LIptx7
drwx-----. 3 root      root      60 Apr 26 20:01 systemd-private-4f698fe90f4847ffb4
fef506af70b62a-systemd-oomd.service-HrCGE8
drwx-----. 3 root      root      60 Apr 26 20:01 systemd-private-4f698fe90f4847ffb4
fef506af70b62a-systemd-resolved.service-VCBrA7
drwx-----. 3 root      root      60 Apr 26 20:01 systemd-private-4f698fe90f4847ffb4
fef506af70b62a-upower.service-WLlbHn
drwx-----. 2 aybalkhanova aybalkhanova 40 Apr 26 20:11 tracker-extract-3-files.1000
```

3. Опция F выводит содержимое на экран и показывает тип и имя файлов.(рис.

```
[aybalkhanova@aybalkhanova ~]$ cd /tmp
[aybalkhanova@aybalkhanova tmp]$ ls -F
systemd-private-4f698fe90f4847ffb4fef506af70b62a-chronyd.service-iMWrGV/
systemd-private-4f698fe90f4847ffb4fef506af70b62a-colord.service-BCHxBr/
systemd-private-4f698fe90f4847ffb4fef506af70b62a-dbus-broker.service-04khrx/
systemd-private-4f698fe90f4847ffb4fef506af70b62a-geoclue.service-C5323W/
systemd-private-4f698fe90f4847ffb4fef506af70b62a-low-memory-monitor.service-siaK
hZ/
systemd-private-4f698fe90f4847ffb4fef506af70b62a-ModemManager.service-y29U5V/
systemd-private-4f698fe90f4847ffb4fef506af70b62a-power-profiles-daemon.service-n
IYawm/
systemd-private-4f698fe90f4847ffb4fef506af70b62a-rtkit-daemon.service-5DrYRM/
systemd-private-4f698fe90f4847ffb4fef506af70b62a-switcheroo-control.service-zNTA
FS/
systemd-private-4f698fe90f4847ffb4fef506af70b62a-systemd-logind.service-LIptx7/
systemd-private-4f698fe90f4847ffb4fef506af70b62a-systemd-oomd.service-HrCGE8/
systemd-private-4f698fe90f4847ffb4fef506af70b62a-systemd-resolved.service-VCBrA7
/
systemd-private-4f698fe90f4847ffb4fef506af70b62a-upower.service-WLlbHn/
```

Работа с каталогами

```
[aybalkhanova@aybalkhanova ~]$ mkdir newdir  
[aybalkhanova@aybalkhanova ~]$ cd newdir  
[aybalkhanova@aybalkhanova newdir]$ mkdir morefun
```

```
[aybalkhanova@aybalkhanova ~]$ mkdir letters memos misk  
[aybalkhanova@aybalkhanova ~]$ ls  
2021-2022  Documents  letters  misk    newdir   Public   Videos  
Desktop    Downloads  memos    Music   Pictures Templates
```

```
[aybalkhanova@aybalkhanova ~]$ rmdir letters memos misk  
[aybalkhanova@aybalkhanova ~]$ ls  
2021-2022  Documents  Music   Pictures  Templates  
Desktop    Downloads  newdir  Public    Videos
```


Команда тап

LS(1)

User Commands

LS(1)

NAME

ls - list directory contents

SYNOPSIS

ls [OPTION]... [FILE]...

DESCRIPTION

List information about the FILES (the current directory by default). Sort entries alphabetically if none of **-cftuvSUX** nor **--sort** is specified.

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

-a, --all

do not ignore entries starting with .

-A, --almost-all

do not list implied . and ..

--author

with **-l**, print the author of each file

-b, --escape

print C-style escapes for nongraphic characters

--block-size=SIZE

with **-l**, scale sizes by SIZE when printing them; e.g., **'--block-size=M'**; see SIZE format below

-B, --ignore-backups

do not list implied entries ending with ~

PWD(1)

User Commands

PWD(1)

NAME

pwd - print name of current/working directory

SYNOPSIS

pwd [OPTION]...

DESCRIPTION

Print the full filename of the current working directory.

-L, --logical

use PWD from environment, even if it contains symlinks

-P, --physical

avoid all symlinks

--help display this help and exit

--version

output version information and exit

If no option is specified, **-P** is assumed.

NOTE: your shell may have its own version of pwd, which usually supersedes the version described here. Please refer to your shell's documentation for details about the options it supports.

AUTHOR

Written by Jim Meyering.

REPORTING BUGS

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

MKDIR(1)

User Commands

MKDIR(1)

NAME

mkdir - make directories

SYNOPSIS

mkdir [OPTION]... DIRECTORY...

DESCRIPTION

Create the DIRECTORY(ies), if they do not already exist.

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

-m, --mode=MODE

set file mode (as in chmod), not a=rwx - umask

-p, --parents

no error if existing, make parent directories as needed

-v, --verbose

print a message for each created directory

-Z

set SELinux security context of each created directory to the default type

--context[=CTX]

like **-Z**, or if CTX is specified then set the SELinux or SMACK security context to CTX

--help display this help and exit

--version

output version information and exit

RMDIR(1)

User Commands

RMDIR(1)

NAME

rmdir - remove empty directories

SYNOPSIS

rmdir [OPTION]... DIRECTORY...

DESCRIPTION

Remove the DIRECTORY(ies), if they are empty.

--ignore-fail-on-non-empty

ignore each failure that is solely because a directory
is non-empty

-p, --parents

remove DIRECTORY and its ancestors; e.g., 'rmdir -p a/b/c' is similar to
'rmdir a/b/c a/b a'

-v, --verbose

output a diagnostic for every directory processed

--help display this help and exit**--version**

output version information and exit

AUTHOR

Written by David MacKenzie.

the file is skipped.

OPTIONS

Remove (unlink) the FILE(s).

-f, --force

ignore nonexistent files and arguments, never prompt

-i

prompt before every removal

-I

prompt once before removing more than three files, or when removing recursively; less intrusive than **-i**, while still giving protection against most mistakes

--interactive[=WHEN]

prompt according to WHEN: never, once (**-I**), or always (**-i**); without WHEN, prompt always

--one-file-system

when removing a hierarchy recursively, skip any directory that is on a file system different from that of the corresponding command line argument

--no-preserve-root

do not treat '/' specially

--preserve-root[=all]

do not remove '/' (default); with 'all', reject any command line argument on a separate device from its parent

-r, -R, --recursive

remove directories and their contents recursively

Команда history

```
255 ls
256 mkdir newdir
257 cd newdir
258 cd
259 rmdir /newdir/morefun
260 rmdir newdir/morefun
261 rm -r newdir/morefun
262 rm ~/newdir/morefun
263 cd newdir/morefun
264 cd newdir
265 cd morefun
266 mkdir morefun
267 cd
268 rmdir newdir/morefun
269 cd newdir
270 ls
271 man ls
272 cd
273 ls -R
274 man ls
275 ls -c
276 ls -C
277 ls -c lt
278 ls -c -lt
279 msn cd
280 man cd
281 man pwd
282 man mkdir
283 man rmdir
284 man rm
285 man cd
286 history
```

```
[aybalkhanova@aybalkhanova ~]$
```


Вывод

Я приобрела практические навыки взаимодействия пользователя с системой посредством командной строки.

Спасибо за внимание