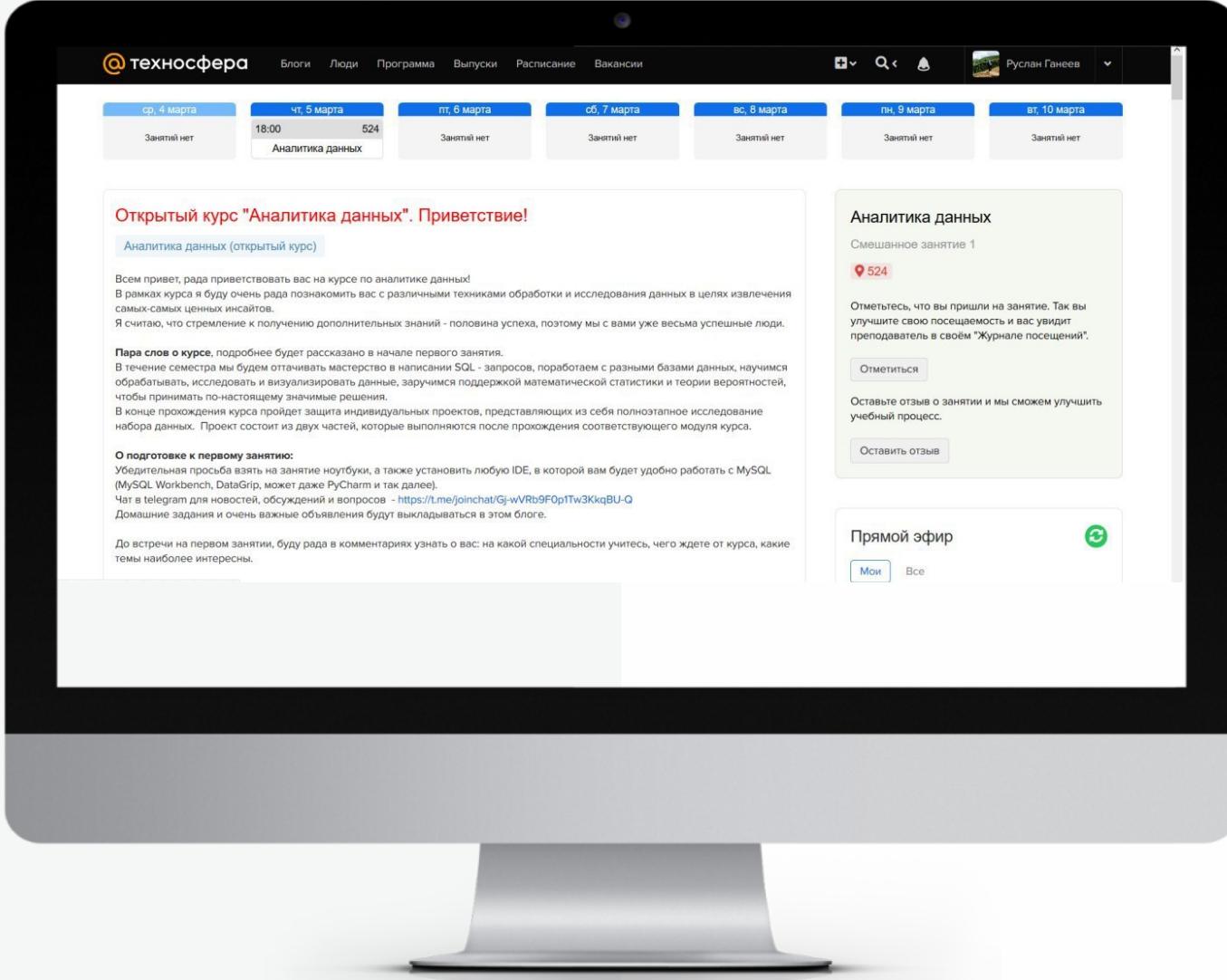


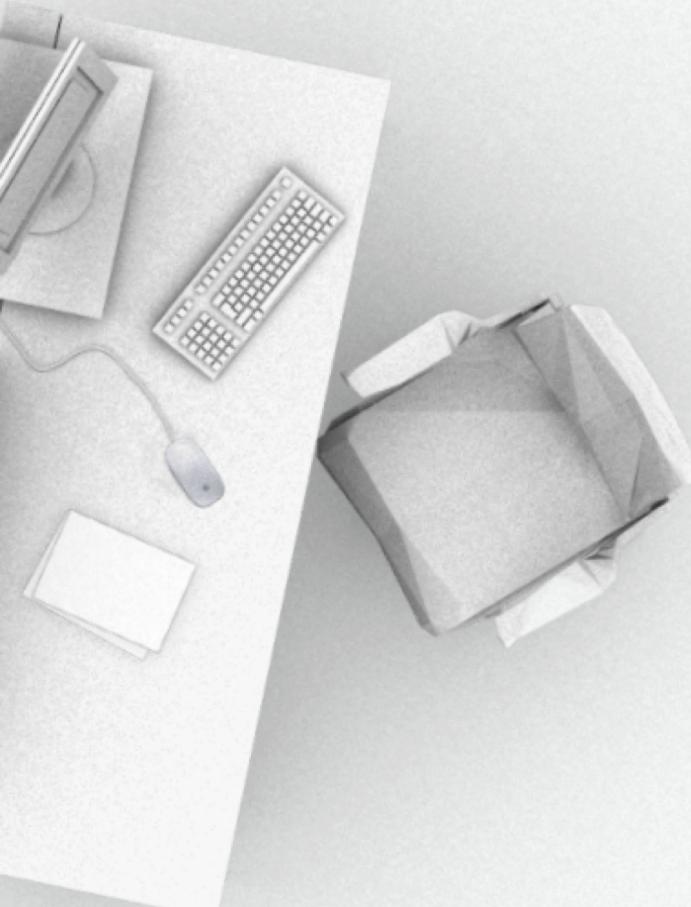
Автоматизированное тестирование

Илья Кириллов





Не забудьте
отметиться
на портале



Backend

Linux



Linux

#04

Windows

A problem has been detected and Windows has been shut down to prevent your computer from crashing.

NO_MORE_IRP_STACK_LOCATIONS

If this is the first time you've seen this Stop error screen, restart your computer. If this screen appears again, follow these steps:

Check to make sure that any new hardware or software is properly installed. If this is a new installation, ask your hardware or software manufacturer for any Windows updates you might need.

If problems continue, disable or remove any newly installed hardware or software. Disable BIOS memory options such as caching or shadowing. If you need to use Safe Mode to remove or disable components, restart your computer, press F8 to select Advanced Startup Options, and then select Safe Mode.

Technical information:

*** STOP: 0x00000035 (0x00000000, 0xF7801706, 0x00000008, 0xC0000000)

*** srescan.sys - Address F7801706 base at F7801000, DateStamp 3680
Restarting...

Содержание занятия

1. Введение и архитектура
2. Linux shell

Дистрибутивы

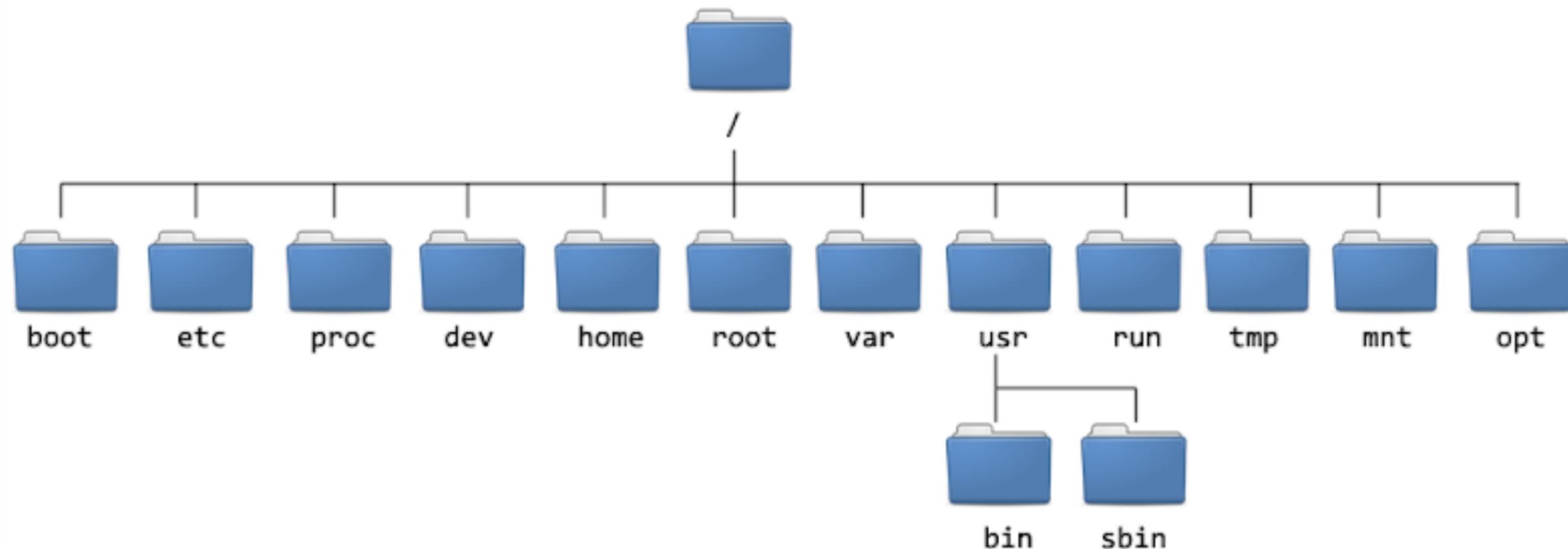
- Red Hat/Fedora/CentOS
- Ubuntu
- Debian
- SuSe



Назначение каталогов

- **/etc** – конфигурация
- **/home** – данные пользователей
- **/usr** – приложения
- **/var** – данные и каталоги
- **/tmp** – временные файлы

CentOS 7 Filesystem Hierarchy

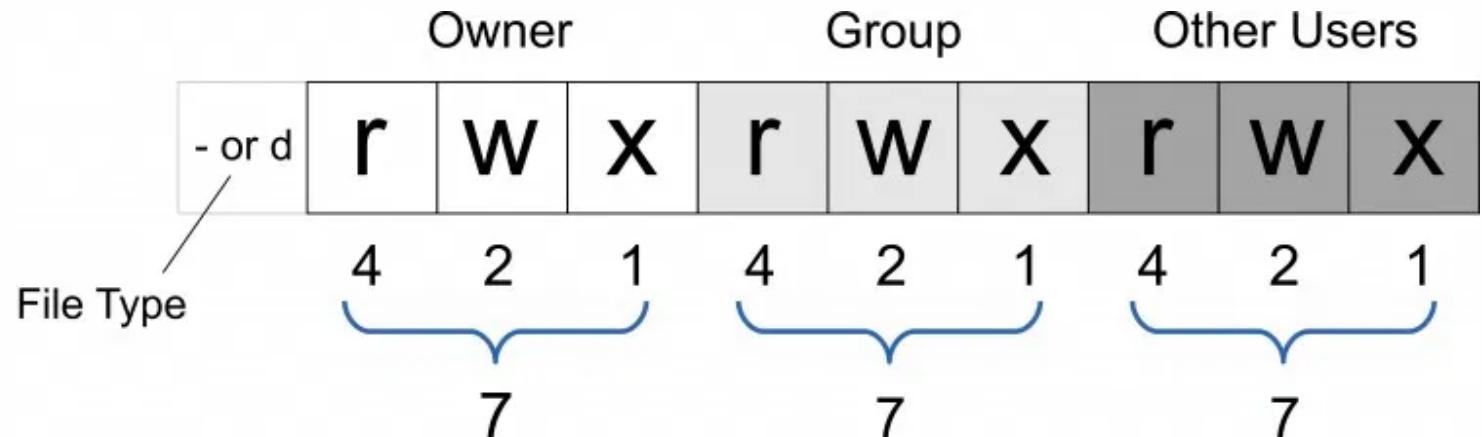


Права доступа

- Владелец и группа
- Доступы по 8ричной маске
- chmod
- chown

- - : regular file.
- d : directory.
- s : local socket file.
- p : named pipe.
- l : symbolic link.

Mode	Owner		Group	File Size		Last Modified	Filename
drwxrwxrwx	2	sammy	sammy	4096	Nov 10	12:15	everyone_directory
drwxrwx---	2	root	developers	4096	Nov 10	12:15	group_directory
-rw-rw----	1	sammy	sammy	15	Nov 10	17:07	group_modifiable
drwx-----	2	sammy	sammy	4096	Nov 10	12:15	private_directory
-rw-----	1	sammy	sammy	269	Nov 10	16:57	private_file
-rwxr-xr-x	1	sammy	sammy	46357	Nov 10	17:07	public_executable
-rw-rw-rw-	1	sammy	sammy	2697	Nov 10	17:06	public_file
drwxr-xr-x	2	sammy	sammy	4096	Nov 10	16:49	publicly_accessible_directory
-rw-r--r--	1	sammy	sammy	7718	Nov 10	16:58	publicly_readable_file
drwx-----	2	root	root	4096	Nov 10	17:05	root_private_directory



bash, shell, console

bash – один из самых известных шеллов во всем семействе ОС Linux



BASH
THE BOURNE-AGAIN SHELL

Стандартные потоки

- STDIN (0)

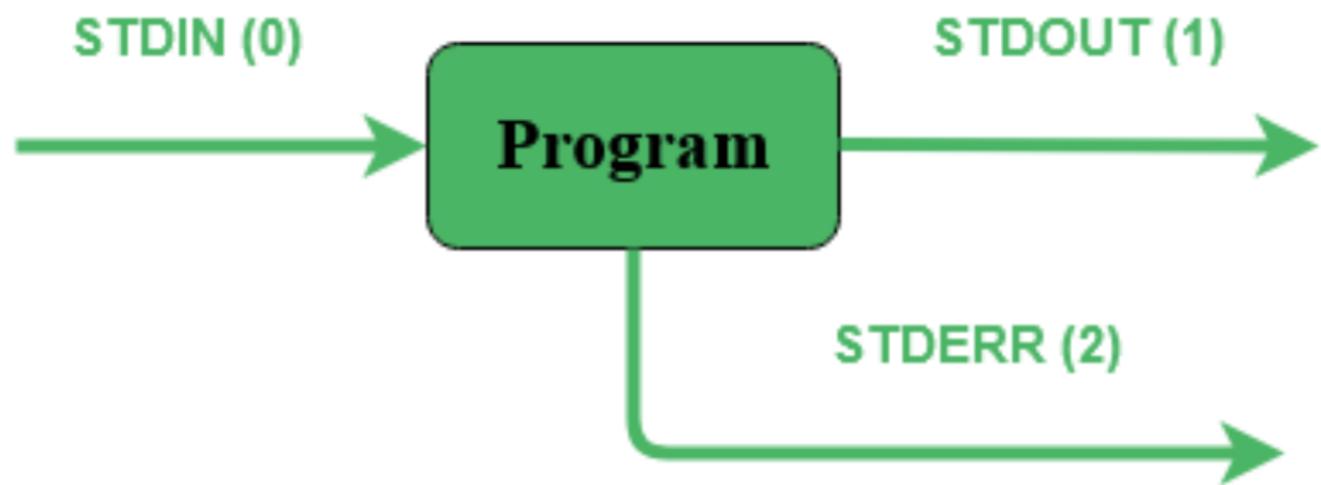
```
$ echo 'Hello world'  
Hello world
```

- STDOUT (1)

```
$ ls  
bin incoming pub usr
```

- STDERR (2)

```
$ rm example.txt  
rm: example.txt: No such file or directory
```



Терминал

Выходной поток

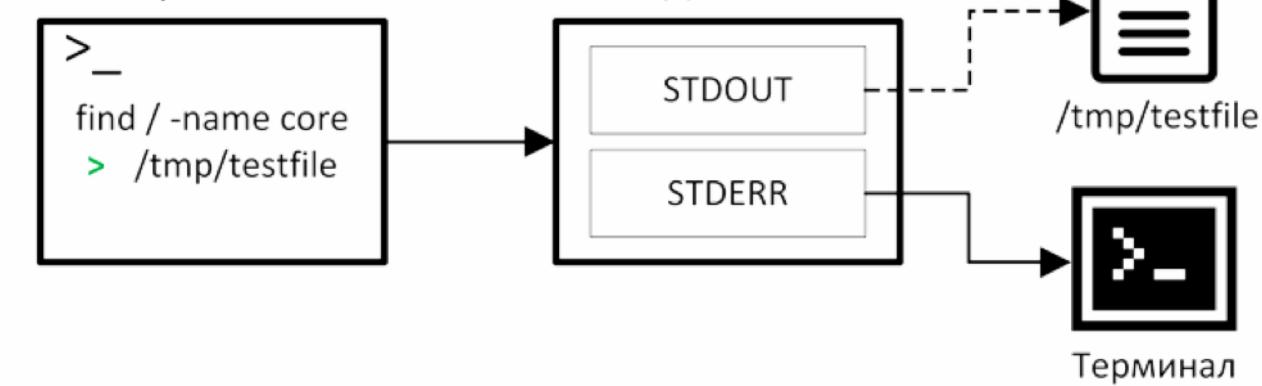


```
$ find / -name core > /tmp/testfile
```

■ > - вывод STDOUT в файл.

Терминал

Выходной поток



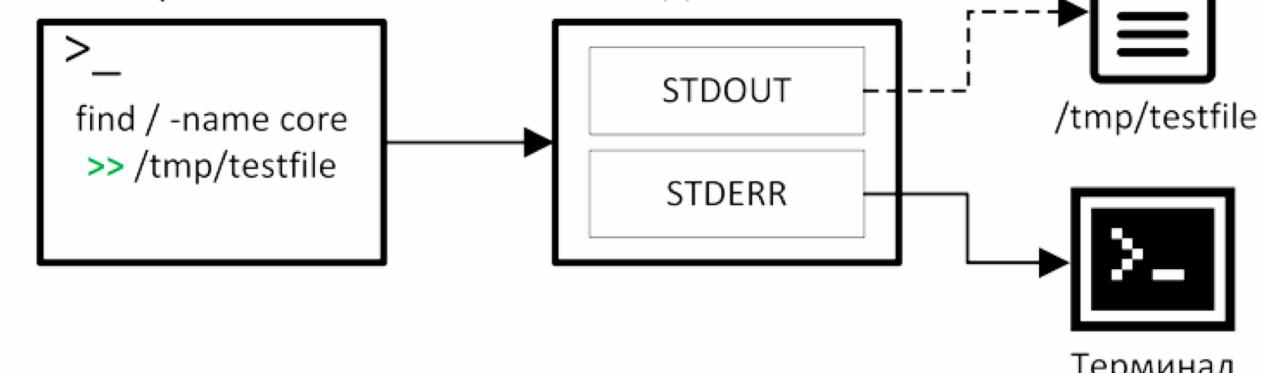
Терминал

■ >> - вывод STDOUT в конец файла.

```
$ find / -name core >> /tmp/testfile
```

Терминал

Выходной поток



Терминал

#012

- `>&` - вывод STDOUT и STDERR в файл

```
$ find / -name core >& /tmp/testfile
```

- `2>` - вывод STDERR в файл

```
$ find / -name core 2> /tmp/testfile
```

```
$ find / -name core > /tmp/testfile 2> /dev/null
```

Терминал

```
>
find / -name core
& /tmp/testfile
```

Выходной поток

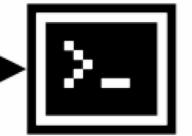


Терминал

Терминал

```
>
find / -name core
2> /tmp/testfile
```

Выходной поток

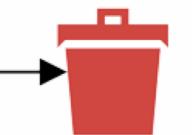
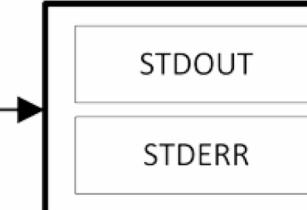


Терминал

Терминал

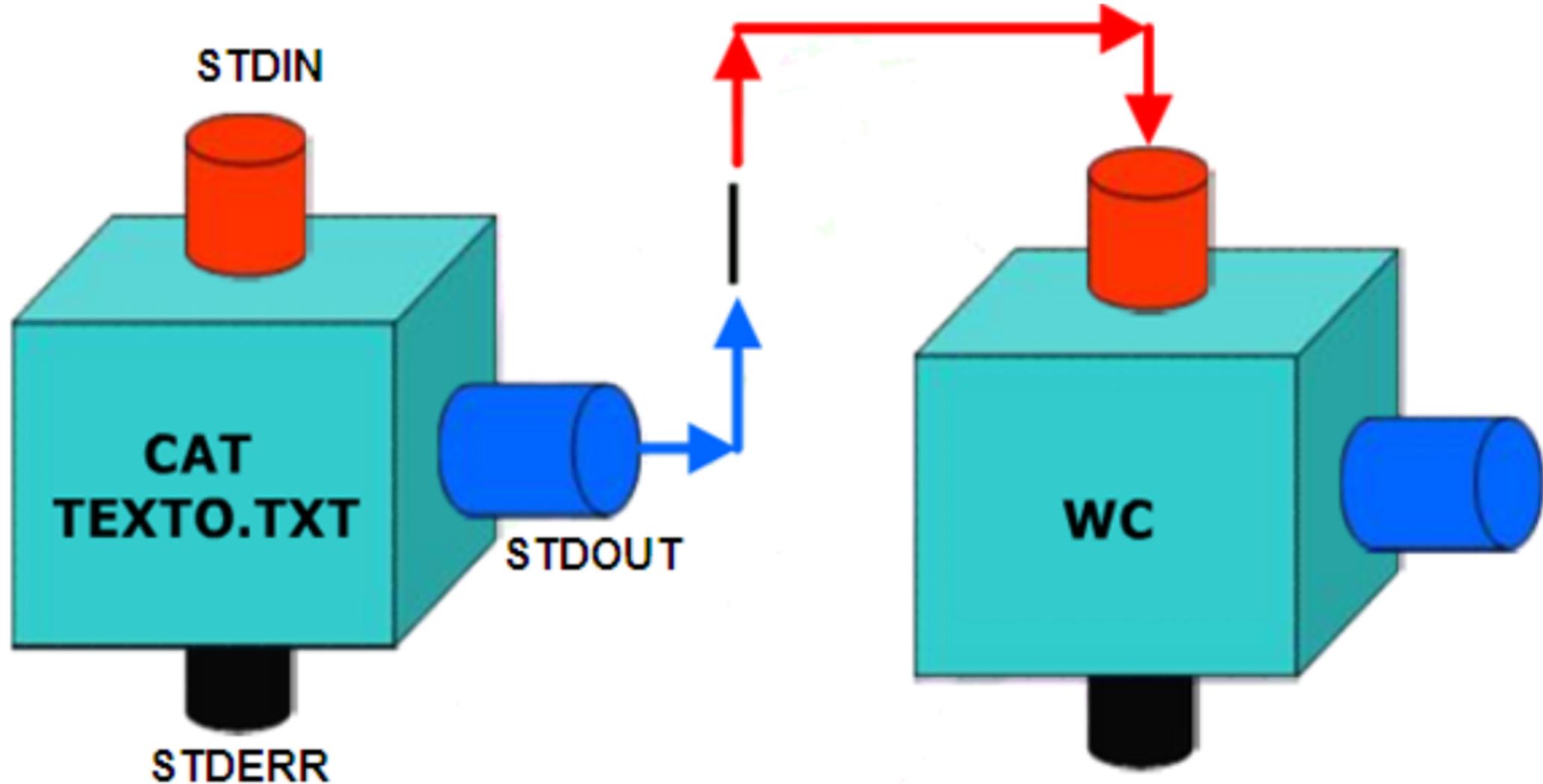
```
>
find / -name core
> /tmp/testfile
2> /dev/null
```

Выходной поток



/dev/null

pipes

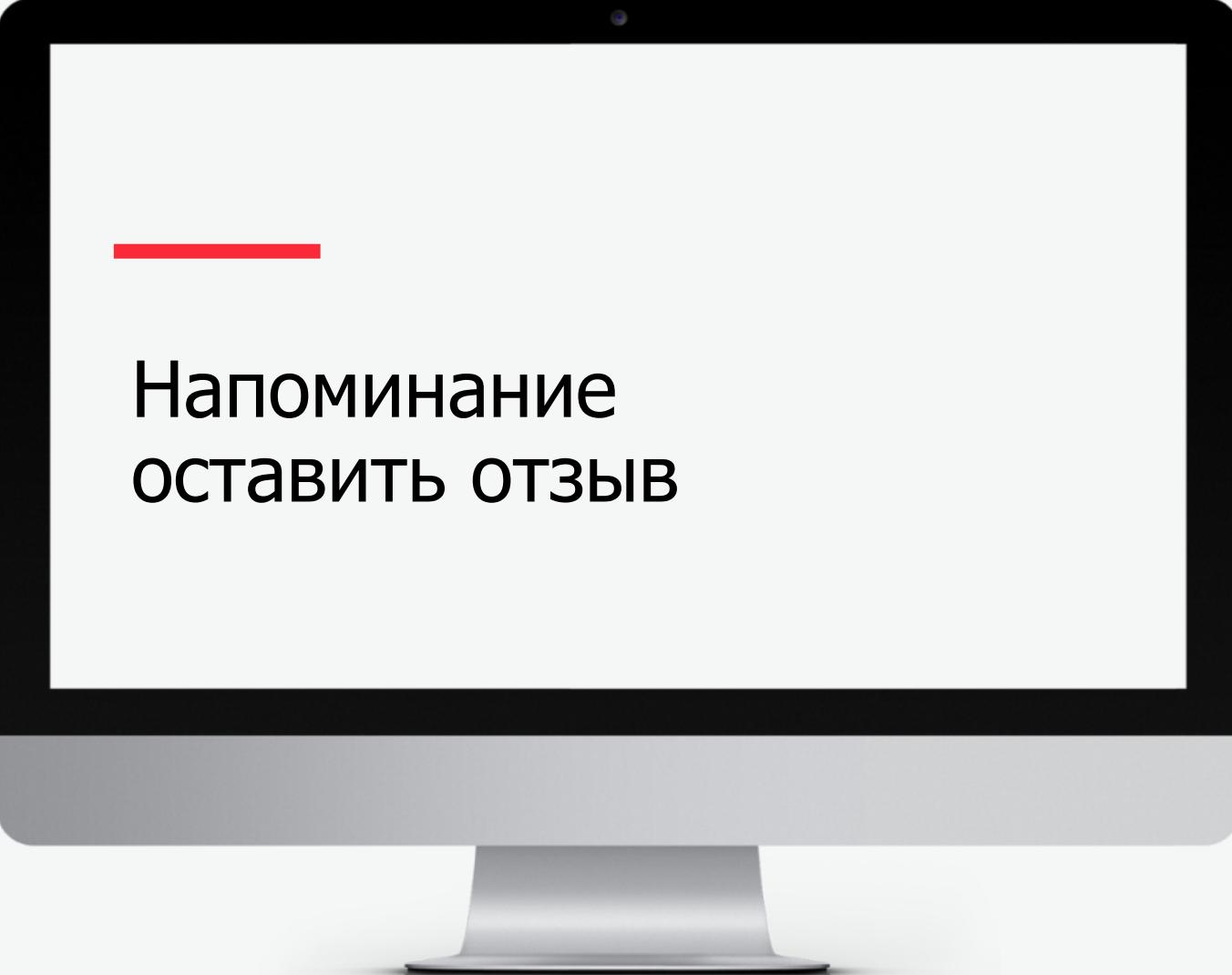


#014

>_



KEEP
CALM
AND
#!BIN/BASH



Напоминание
оставить отзыв



**СПАСИБО
ЗА ВНИМАНИЕ**

