

1. Создал файл, перенаправил стандартный поток ошибок STDERR в файл File_err

```
[ubuntu@ip-172-31-29-70:~$ ll
total 36
drwxr-xr-x 5 ubuntu ubuntu 4096 May 12 10:31 ./
drwxr-xr-x 5 root root 4096 May 12 10:21 ../
-rw-r--r-- 1 ubuntu ubuntu 2062 May 12 10:41 .bash_history
-rw-r--r-- 1 ubuntu ubuntu 220 Feb 25 12:03 .bash_logout
-rw-r--r-- 1 ubuntu ubuntu 3771 Feb 25 12:03 .bashrc
drwxr-xr-x 2 ubuntu ubuntu 4096 May 1 08:13 .cache/
drwxr-xr-x 3 ubuntu ubuntu 4096 May 12 10:31 .local/
-rw-r--r-- 1 ubuntu ubuntu 807 Feb 25 12:03 .profile
drwxr-xr-x 2 ubuntu ubuntu 4096 May 1 08:12 .ssh/
-rw-r--r-- 1 ubuntu ubuntu 0 May 1 08:14 .sudo_as_admin_successful
[ubuntu@ip-172-31-29-70:~$ mkdir less_4
[ubuntu@ip-172-31-29-70:~$ echo "File Error" > less_4/file_err
[ubuntu@ip-172-31-29-70:~$ sudo cat * 2> less_4/file_err
[ubuntu@ip-172-31-29-70:~$ cat less_4/file_err
cat: less_4: Is a directory
[ubuntu@ip-172-31-29-70:~$ ll
```

```
>history
125 mkdir less_4
126 echo "File Error" > less_4/file_err
127 sudo cat * 2> less_4/file_err
128 cat less_4/file_err
```

2. Вывел права в терминал используя cut, pipeline, sort -u

```
[ubuntu@ip-172-31-29-70:~$ ll -l | cut -d' ' -f1 | sort -u
-rw-r--r--
-rw-r--r--
drwxr-xr-x
drwxr-xr-x
drwxr-xr-x
total
[ubuntu@ip-172-31-29-70:~$ ll -l
total 40
drwxr-xr-x 6 ubuntu ubuntu 4096 May 17 07:33 ./
drwxr-xr-x 5 root root 4096 May 12 10:21 ../
-rw-r--r-- 1 ubuntu ubuntu 2062 May 12 10:41 .bash_history
-rw-r--r-- 1 ubuntu ubuntu 220 Feb 25 12:03 .bash_logout
-rw-r--r-- 1 ubuntu ubuntu 3771 Feb 25 12:03 .bashrc
drwxr-xr-x 2 ubuntu ubuntu 4096 May 1 08:13 .cache/
drwxr-xr-x 3 ubuntu ubuntu 4096 May 12 10:31 .local/
-rw-r--r-- 1 ubuntu ubuntu 807 Feb 25 12:03 .profile
drwxr-xr-x 2 ubuntu ubuntu 4096 May 1 08:12 .ssh/
-rw-r--r-- 1 ubuntu ubuntu 0 May 1 08:14 .sudo_as_admin_successful
drwxr-xr-x 2 ubuntu ubuntu 4096 May 17 07:34 less_4/
ubuntu@ip-172-31-29-70:~$
```

```
>history
140 ll -l | cut -d' ' -f1 | sort -u
```

3. Пытался отключить аутентификацию ssh по паролю, но используя AWS не получилось (рис ниже)

3.1 cntrl+d не посылается сигнал на завершение, это спец.омбинация, сигнализирующая о том что ввод текста закончен

```
ubuntu@ip-172-31-29-70:~$ sudo cat > less_4/file3 | 1>Test
asduubuntu@ip-172-31-29-70:~$ cat Test
ubuntu@ip-172-31-29-70:~$ sudo cat > less_4/file3 | 2>Test
asdasdasdqeubuntu@ip-172-31-29-70:~$ cat Test
ubuntu@ip-172-31-29-70:~$
```

```

GNU nano 4.8 /var/tmp/sshd_config.XXX7WTVb
# $OpenBSD: sshd_config,v 1.103 2018/04/09 20:41:22 tj Exp $

# This is the sshd server system-wide configuration file. See
# sshd_config(5) for more information.

# This sshd was compiled with PATH=/usr/bin:/bin:/usr/sbin:/sbin

# The strategy used for options in the default sshd_config shipped with
# OpenSSH is to specify options with their default value where
# possible, but leave them commented. Uncommented options override the
# default value.

include /etc/ssh/sshd_config.d/*.conf

#Port 22
#AddressFamily any
#ListenAddress 0.0.0.0
#ListenAddress ::

#HostKey /etc/ssh/ssh_host_rsa_key
#HostKey /etc/ssh/ssh_host_ecdsa_key
#HostKey /etc/ssh/ssh_host_ed25519_key

# Ciphers and keying
#RekeyLimit default none

# Logging
#SyslogFacility AUTH
#LogLevel INFO

# Authentication:

#LoginGraceTime 2m
#PermitRootLogin prohibit-password
#StrictModes yes
#MaxAuthTries 6
#MaxSessions 10

#PubkeyAuthentication yes

# Expect .ssh/authorized_keys2 to be disregarded by default in future.
#AuthorizedKeysFile .ssh/authorized_keys .ssh/authorized_keys2

#AuthorizedPrincipalsFile none

#AuthorizedKeysCommand none

```

4. Установил mc запустил htop, отыскал по ключевому слову PID процесса, передал сигнал 9 этому процессу

CPU: 0.7% Tasks: 30, 30 thr: 1 running									
Mem: 143M/979M Load average: 0.00 0.00 0.00									
Swp: 0K/0K Uptime: 00:48:23									
PID	USER	PRI	NI	VRT	RES	SHR	S	CPU%	MEM%
508	root	20	0	2540	796	724	S	0.0	0.1
515	root	20	0	8536	2896	2680	S	0.0	0.3
516	messagebu	20	0	7444	4712	4032	S	0.0	0.5
528	root	20	0	29228	17912	10280	S	0.0	1.8
615	syslog	20	0	219M	4964	3908	S	0.0	0.5
616	syslog	20	0	219M	4964	3908	S	0.0	0.5
617	syslog	20	0	219M	4964	3908	S	0.0	0.5
529	syslog	20	0	219M	4964	3908	S	0.0	0.5
668	root	20	0	454M	14036	12228	S	0.0	1.4
678	root	20	0	454M	14036	12228	S	0.0	1.4
695	root	20	0	454M	14036	12228	S	0.0	1.4
742	root	20	0	454M	14036	12228	S	0.0	1.4
743	root	20	0	454M	14036	12228	S	0.0	1.4
744	root	20	0	454M	14036	12228	S	0.0	1.4
530	root	20	0	454M	14036	12228	S	0.0	1.4
565	root	20	0	710M	38352	15128	S	0.0	3.8
566	root	20	0	710M	38352	15128	S	0.0	3.8
567	root	20	0	710M	38352	15128	S	0.0	3.8
570	root	20	0	710M	38352	15128	S	0.0	3.8
604	root	20	0	710M	38352	15128	S	0.0	3.8
605	root	20	0	710M	38352	15128	S	0.0	3.8
606	root	20	0	710M	38352	15128	S	0.0	3.8
721	root	20	0	710M	38352	15128	S	0.0	3.8
763	root	20	0	710M	38352	15128	S	0.0	3.8
538	root	20	0	710M	38352	15128	S	0.0	3.8
543	root	20	0	16800	7996	7024	S	0.0	0.8
582	daemon	20	0	3792	2216	1836	S	0.0	0.2
707	root	20	0	7352	2180	2040	S	0.0	0.2
729	root	20	0	5828	1048	1740	S	0.0	0.2
733	root	20	0	230M	9116	8180	S	0.0	0.9
736	root	20	0	230M	9116	8180	S	0.0	0.9
731	root	20	0	230M	9116	8180	S	0.0	0.9
738	root	20	0	12160	7528	6680	S	0.0	0.8
751	root	20	0	185M	20744	13188	S	0.0	2.1
745	root	20	0	185M	20744	13188	S	0.0	2.1
1164	root	20	0	13760	8984	7544	S	0.0	0.9
1177	ubuntu	20	0	18420	9680	8248	S	0.0	1.0
1178	ubuntu	20	0	101M	4336	20	S	0.0	0.4
1278	ubuntu	20	0	13092	6056	4596	S	0.0	0.6
1279	ubuntu	20	0	10428	5784	3720	S	0.0	0.6
1984	ubuntu	20	0	19616	7932	6168	S	0.0	0.8

```

ubuntu@ip-172-31-29-70:~$ mc
ubuntu@ip-172-31-29-70:~$ htop
ubuntu@ip-172-31-29-70:~$ htop
ubuntu@ip-172-31-29-70:~$ sudo kill -9 1996
Killed
ubuntu@ip-172-31-29-70:~$

```