

Докладчик

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- <https://github.com/Celmilton>

Цель работы

Получение практических навыков работы в консоли с расширенными атрибутами файлов¹.

Выполнение лабораторной работы

```
guest2@localhost:/home/celmiltonbm

[celmiltonbm@localhost ~]$ su
Password:
[root@localhost celmiltonbm]# lsattr /home/guest
[root@localhost celmiltonbm]# mkdir dir1
mkdir: cannot create directory 'dir1': File exists
[root@localhost celmiltonbm]# lsattr /home/guest/dir1
lsattr: No such file or directory while trying to stat /home/guest/dir1
[root@localhost celmiltonbm]# ls -s /home/guest/
total 0
[root@localhost celmiltonbm]# ls -s /home/guest
total 0
[root@localhost celmiltonbm]# mkdir /home/guest/dir1
[root@localhost celmiltonbm]# ls -s /home/guest
total 0
0 dir1
[root@localhost celmiltonbm]# chmod /home/guest/dir1
chmod: missing operand after '/home/guest/dir1'
Try 'chmod --help' for more information.
[root@localhost celmiltonbm]# chmod /home/guest/dir1/
chmod: missing operand after '/home/guest/dir1/'
Try 'chmod --help' for more information.
[root@localhost celmiltonbm]# chmod dir1
chmod: missing operand after 'dir1'
Try 'chmod --help' for more information.
[root@localhost celmiltonbm]# chmod 000 /home/guest/dir1
[root@localhost celmiltonbm]# ls -l /home/guest/dir1
total 0
[root@localhost celmiltonbm]# ls -l /home/guest
total 0
d----- . 2 root root 6 Sep 23 16:31 dir1
[root@localhost celmiltonbm]# touch /home/guest/dir1/file1
```

```
total 0
d----- . 2 root root 6 Sep 23 16:31 dir1
[root@localhost celmiltonbm]# touch /home/guest/dir1/file1
[root@localhost celmiltonbm]# lsattr /home/guest/dir1/file1
----- /home/guest/dir1/file1
[root@localhost celmiltonbm]# chmod 000 /home/guest/dir1/file1
[root@localhost celmiltonbm]# chartr +a /home/guest/dir1/file1
bash: chartr: command not found...
[root@localhost celmiltonbm]# chattr +a /home/guest/dir1/file1
[root@localhost celmiltonbm]# lsattr /home/guest/dir1/file1
-----a----- /home/guest/dir1/file1
[root@localhost celmiltonbm]# echo "test" /home/guest/dir1/file1
test /home/guest/dir1/file1
[root@localhost celmiltonbm]# cat /home/guest/dir1/file1
[root@localhost celmiltonbm]# echo "abcd" > /home/guest/dir1/file1
bash: /home/guest/dir1/file1: Operation not permitted
[root@localhost celmiltonbm]# su
[root@localhost celmiltonbm]# echo "abcd" > /home/guest/dir1/file1
bash: /home/guest/dir1/file1: Operation not permitted
[root@localhost celmiltonbm]# su guest
[guest@localhost celmiltonbm]$ echo "abcd" > /dir1/file1
bash: /dir1/file1: No such file or directory
[guest@localhost celmiltonbm]$ ls -l
ls: cannot open directory '.': Permission denied
[guest@localhost celmiltonbm]$ su
Password:
[root@localhost celmiltonbm]# echo "abcd" > /home/guest/dir1/file1
bash: /home/guest/dir1/file1: Operation not permitted
[root@localhost celmiltonbm]# chmod 000 /home/guest/dir1/file1
chmod: changing permissions of '/home/guest/dir1/file1': Operation not permitted
[root@localhost celmiltonbm]# echo "abcd" > /home/guest/dir1/file1
```

```
root@localhost celmiltonbm]# echo "abcd" > /home/guest/dir1/file1
ash: /home/guest/dir1/file1: Operation not permitted
root@localhost celmiltonbm]# su
root@localhost celmiltonbm]# echo "abcd" > /home/guest/dir1/file1
ash: /home/guest/dir1/file1: Operation not permitted
root@localhost celmiltonbm]# su guest
guest@localhost celmiltonbm]$ echo "abcd" > /dir1/file1
ash: /dir1/file1: No such file or directory
guest@localhost celmiltonbm]$ ls -l
s: cannot open directory '.': Permission denied
guest@localhost celmiltonbm]$ su
assword:
root@localhost celmiltonbm]# echo "abcd" > /home/guest/dir1/file1
ash: /home/guest/dir1/file1: Operation not permitted
root@localhost celmiltonbm]# chmod 000 /home/guest/dir1/file1
chmod: changing permissions of '/home/guest/dir1/file1': Operation not permitted
root@localhost celmiltonbm]# echo "abcd" > /home/guest/dir1/file1
ash: /home/guest/dir1/file1: Operation not permitted
root@localhost celmiltonbm]# echo

root@localhost celmiltonbm]# echo help
elp
root@localhost celmiltonbm]# echo

root@localhost celmiltonbm]# su guest2
guest2@localhost celmiltonbm]$ ls
s: cannot open directory '.': Permission denied
guest2@localhost celmiltonbm]$ ls -l
s: cannot open directory '.': Permission denied
guest2@localhost celmiltonbm]$ S
```

Выводы

Без разрешений администратора вы не сможете создавать, редактировать, удалять или открывать файл, и это может быть эффективным способом защиты ваших данных