

Лабораторная работа номер 4

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Получение практических навыков работы в консоли с расширенными атрибутами файлов.


```
[rsmaljkov@localhost ~]$ su guest  
Password:  
[guest@localhost rsmaljkov]$
```

Рис. 1: Вход в учетную запись

```
[guest@localhost home]$ lsattr /home/guest/dir1/file1  
----- /home/guest/dir1/file1
```

Рис. 2: Просмотр атрибутов

```
[guest@localhost home]$ chmod 600 /home/guest/dir1/file1  
[guest@localhost home]$ ls -l /home/guest/dir1  
total 4  
-rw-----. 1 guest guest 14 Sep 23 11:22 file1
```

Рис. 3: Установка прав для file1

```
[guest@localhost home]$ chattr +a /home/guest/dir1/file1  
chattr: Operation not permitted while setting flags on /home/guest/dir1/file1
```

Рис. 4: Установка атрибута от имени guest

```
[rsmaljkov@localhost ~]$ su
Password:
[root@localhost rsmaljkov]# chattr +a /home/guest/dirl/file1
[root@localhost rsmaljkov]#
```

Рис. 5: Установка атрибута от имени суперпользователя


```
[guest@localhost home]$ lsattr /home/guest/dir1/file1  
-----a----- /home/guest/dir1/file1
```

Рис. 6: Просмотр атрибутов от имени guest

```
[guest@localhost home]$ echo "test" >> /home/guest/dir1/file1  
[guest@localhost home]$ cat/home/guest/dir1/file1  
bash: cat/home/guest/dir1/file1: No such file or directory  
[guest@localhost home]$ cat /home/guest/dir1/file1  
this is file1  
test  
[guest@localhost home]$
```

Рис. 7: Дозапись в file1 и проверка

```
[guest@localhost home]$ echo "abcd" > /home/guest/dir1/file1
bash: /home/guest/dir1/file1: Operation not permitted
[guest@localhost home]$ mv /home/guest/dir1/file1 /home/guest/dir1/file2
mv: cannot move '/home/guest/dir1/file1' to '/home/guest/dir1/file2': Operation
not permitted
[guest@localhost home]$ chmod 000 /home/guest/dir1/file1
chmod: changing permissions of '/home/guest/dir1/file1': Operation not permitted
```

Рис. 8: Перезапись, переименования, изменение прав

```
[root@localhost rsmaljkov]# chattr -a /home/guest/dir1/file1  
[root@localhost rsmaljkov]#
```

Рис. 9: Удаление атрибута

```
[guest@localhost home]$ echo "abcd" > /home/guest/dir1/file1
[guest@localhost home]$ cat /home/guest/dir1/file1
abcd
[guest@localhost home]$ mv /home/guest/dir1/file1 /home/guest/dir1/file1
mv: '/home/guest/dir1/file1' and '/home/guest/dir1/file1' are the same file
[guest@localhost home]$ mv /home/guest/dir1/file1 /home/guest/dir1/file2
[guest@localhost home]$ ls -l /home/guest/dir1/
total 4
-rw-----. 1 guest guest 5 Sep 23 11:37 file2
[guest@localhost home]$ mv /home/guest/dir1/file2 /home/guest/dir1/file1
[guest@localhost home]$ chmod 000 /home/guest/dir1/file1
[guest@localhost home]$ ls -l /home/guest/dir1/
total 4
-----. 1 guest guest 5 Sep 23 11:37 file1
```

Рис. 10: Выполнение неудавшихся действий

```
[root@localhost rsmaljkov]# chmod +i /home/guest/dir1/file1  
[root@localhost rsmaljkov]#
```

Рис. 11: Установка атрибута i

```
[guest@localhost home]$ chmod 600 /home/guest/dirl/file1
[guest@localhost home]$ lsattr /home/guest/dirl/file1
-----i----- /home/guest/dirl/file1
[guest@localhost home]$ echo "test with +i" >> /home/guest/dirl/file1
bash: /home/guest/dirl/file1: Operation not permitted
[guest@localhost home]$ echo "test with +i" > /home/guest/dirl/file1
bash: /home/guest/dirl/file1: Operation not permitted
[guest@localhost home]$ cat /home/guest/dirl/file1
abcd
[guest@localhost home]$ chmod 000 /home/guest/dirl/file1
chmod: changing permissions of '/home/guest/dirl/file1': Operation not permitted
[guest@localhost home]$ mv /home/guest/dirl/file1 /home/guest/dirl/file2
mv: cannot move '/home/guest/dirl/file1' to '/home/guest/dirl/file2': Operation
not permitted
[guest@localhost home]$
```

Рис. 12: Выполнение всех шагов

```
[root@localhost rsmaljkov]# chattr -i /home/guest/dir1/file1  
[root@localhost rsmaljkov]#
```

Рис. 13: Удаление атрибута *i*


```
[guest@localhost home]$ mv /home/guest/dir1/file1 /home/guest/dir1/file2
[guest@localhost home]$ mv /home/guest/dir1/file2 /home/guest/dir1/file1
[guest@localhost home]$ echo "test with +i" > /home/guest/dir1/file1
[guest@localhost home]$ echo "test with -i" >> /home/guest/dir1/file1
[guest@localhost home]$ cat /home/guest/dir1/file1
test with +i
test with -i
[guest@localhost home]$ chmod 000 /home/guest/dir1/file1
[guest@localhost home]$ ls -l /home/guest/dir1/
total 4
-----, 1 guest guest 26 Sep 23 11:45 file1
[guest@localhost home]$
```

Рис. 14: Выполнение неудавшихся действий

Были получены практические навыки работы в консоли с расширенными атрибутами файлов.