

Лабораторная работа № 4:

Дискреционное разграничение прав в Linux. Расширенные атрибуты

Цель работы:

- Получение практических навыков работы в консоли с расширенными атрибутами файлов

этапы нашей работы:

```
[guest@localhost ~]$ lsattr /home/guest/dir1/file1
lsattr: No such file or directory while trying to stat /home/guest/dir1/file1
[guest@localhost ~]$ cd /home/guest/dir1
[guest@localhost dir1]$ touch file1
[guest@localhost dir1]$ cd
[guest@localhost ~]$ lsattr /home/guest/dir1/file1
----- /home/guest/dir1/file1
[guest@localhost ~]$ ls -l /home/guest/dir1/file1
-rw-rw-r--. 1 guest guest 0 Jan 23 06:48 /home/guest/dir1/file1
[guest@localhost ~]$ chmod 600 file1
chmod: cannot access 'file1': No such file or directory
[guest@localhost ~]$ cd /home/guest/dir1
[guest@localhost dir1]$ chmod 600 file1
[guest@localhost dir1]$ ls -l /home/guest/dir1/file1
-rw-----. 1 guest guest 0 Jan 23 06:48 /home/guest/dir1/file1
[guest@localhost dir1]$ chattr +a /home/guest/dir1/file1
chattr: Operation not permitted while setting flags on /home/guest/dir1/file1
[guest@localhost dir1]$ lsattr /home/guest/dir1/file1
-----a----- /home/guest/dir1/file1
[guest@localhost dir1]$ ls -l /home/guest/dir1/file1
-rw-----. 1 guest guest 0 Jan 23 06:48 /home/guest/dir1/file1
```

```
[guest2@localhost ~]$ su root
Password:
[root@localhost guest2]# chattr +a /home/guest/dir1/file1
[root@localhost guest2]#
```

```
guest@localhost:~  
File Edit View Search Terminal Tabs Help  
guest@localhost:~ x guest2@localhost:/home/guest2 x  
[guest@localhost dir1]$ chatter +a /home/guest/dir1/file1  
chattr: Operation not permitted while setting flags on /home/guest/dir1/file1  
[guest@localhost dir1]$ lsattr /home/guest/dir1/file1  
-----a----- /home/guest/dir1/file1  
[guest@localhost dir1]$ ls -l /home/guest/dir1/file1  
-rw-----. 1 guest guest 0 Jan 23 06:48 /home/guest/dir1/file1  
[guest@localhost dir1]$ echo "test" /home/guest/dir1/file1  
test /home/guest/dir1/file1  
[guest@localhost dir1]$ cat /home/guest/dir1/file1  
[guest@localhost dir1]$ echo "test" /home/guest/dir1/file1  
test /home/guest/dir1/file1  
[guest@localhost dir1]$ cat /home/guest/dir1/file1  
[guest@localhost dir1]$ echo "abcd"> /home/guest/dir1/file1  
bash: /home/guest/dir1/file1: Operation not permitted  
[guest@localhost dir1]$ su root  
Password:  
[root@localhost dir1]# cat /home/guest/dir1/file1  
[root@localhost dir1]# echo "test" /home/guest/dir1/file1  
test /home/guest/dir1/file1  
[root@localhost dir1]# cat /home/guest/dir1/file1  
[root@localhost dir1]# chmod -a /home/guest/dir1/file1  
chmod: invalid mode: '-a'  
Try 'chmod --help' for more information.  
[root@localhost dir1]# cd
```

```
[root@localhost ~]# echo "test11" > file1
[root@localhost ~]# ls
anaconda-ks.cfg  file1  initial-setup-ks.cfg
[root@localhost ~]# ls -l
total 12
-rw-----. 1 root root 1032 Jan 22 13:04 anaconda-ks.cfg
-rw-r--r--. 1 root root    7 Jan 23 11:26 file1
-rw-r--r--. 1 root root 1423 Jan 22 13:07 initial-setup-ks.cfg
[root@localhost ~]# cd /home/guest/dir1
[root@localhost dir1]# echo "test1" > file1
bash: file1: Operation not permitted
[root@localhost dir1]# su guest
[guest@localhost dir1]$ cd
[guest@localhost ~]$ chattr -i /home/guest/dir1/file1
chattr: Operation not permitted while setting flags on /home/guest/dir1/file1
[guest@localhost ~]$ su root
Password:
[root@localhost guest]# chattr -i /home/guest/dir1/file1
[root@localhost guest]# su guest
[guest@localhost ~]$ lsattr /home/guest/dir1/file1
----- /home/guest/dir1/file1
[guest@localhost ~]$ echo "test" >> /home/guest/dir1/file1
[guest@localhost ~]$ cat "test" >> /home/guest/dir1/file1
cat: test: No such file or directory
```

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

Вывод:

- Получила практические навыки работы в консоли с атрибутами `a` и `i`.