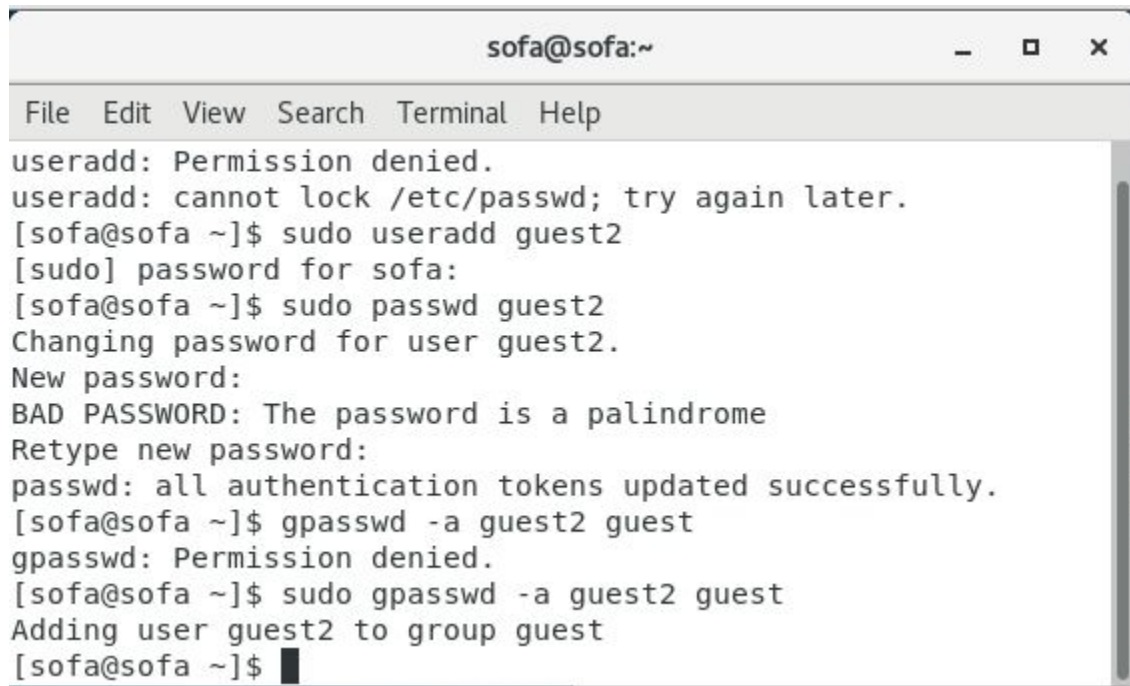


Лабораторная работа №3

Цель лабораторной работы

Получение практических навыков работы в консоли с атрибутами файлов для групп пользователей.

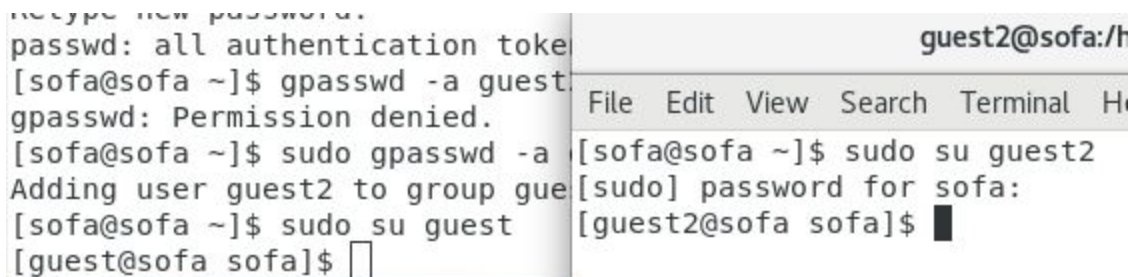
Создание учетной записи пользователя guest2

A terminal window titled 'sofa@sofa:~' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the process of creating a user 'guest2'. It starts with 'useradd: Permission denied.' and 'useradd: cannot lock /etc/passwd; try again later.' Then, the user runs 'sudo useradd guest2', followed by 'password for sofa:' and 'sudo passwd guest2'. The system prompts for a new password, but the user enters a palindrome, resulting in 'BAD PASSWORD: The password is a palindrome'. After retyping, 'passwd: all authentication tokens updated successfully.' is shown. Finally, the user runs 'gpasswd -a guest2 guest', which fails with 'Permission denied.', and then 'sudo gpasswd -a guest2 guest', which succeeds with 'Adding user guest2 to group guest'. The prompt returns to '[sofa@sofa ~]\$' with a cursor.

```
sofa@sofa:~  
File Edit View Search Terminal Help  
useradd: Permission denied.  
useradd: cannot lock /etc/passwd; try again later.  
[sofa@sofa ~]$ sudo useradd guest2  
[sudo] password for sofa:  
[sofa@sofa ~]$ sudo passwd guest2  
Changing password for user guest2.  
New password:  
BAD PASSWORD: The password is a palindrome  
Retype new password:  
passwd: all authentication tokens updated successfully.  
[sofa@sofa ~]$ gpasswd -a guest2 guest  
gpasswd: Permission denied.  
[sofa@sofa ~]$ sudo gpasswd -a guest2 guest  
Adding user guest2 to group guest  
[sofa@sofa ~]$
```

Вход в систему от двух пользователей

```
passwd: all authentication tokens updated successfully.
[sofa@sofa ~]$ gpasswd -a guest2
gpasswd: Permission denied.
[sofa@sofa ~]$ sudo gpasswd -a guest2
Adding user guest2 to group guest2: password
[sofa@sofa ~]$ sudo su guest2
[guest@sofa sofa]$
```



The image shows a terminal window with a menu bar at the top containing 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The terminal output shows a user at the 'sofa' host attempting to add 'guest2' to a group using 'gpasswd'. The first attempt fails with 'Permission denied'. The second attempt, using 'sudo', succeeds, adding 'guest2' to the 'guest2' group and prompting for a password. Finally, the user switches to the 'guest2' user using 'sudo su guest2', and the prompt changes from '[sofa@sofa ~]\$' to '[guest@sofa sofa]\$'.

Директория обоих пользователей

```
[guest@sofa sofa]$ pwd  
/home/sofa  
[guest@sofa sofa]$ cd ..  
[guest@sofa home]$ ls  
guest  guest2  sofa  
[guest@sofa home]$
```

```
[guest2@sofa sofa]$ pwd  
/home/sofa  
[guest2@sofa sofa]$ cd ..  
[guest2@sofa home]$ pwd  
/home  
[guest2@sofa home]$ ls  
guest  guest2  sofa  
[guest2@sofa home]$
```

Информация о пользователях guest и guest2

guest@sofa:/home/sofa	guest2@sofa:/home
File Edit View Search Terminal Help	File Edit View Search Terminal Help
/home/sofa	[guest2@sofa home]\$ pwd
[guest@sofa sofa]\$ cd ..	/home
[guest@sofa home]\$ ls	[guest2@sofa home]\$ ls
guest guest2 sofa	guest guest2 sofa
[guest@sofa home]\$ whoami	[guest2@sofa home]\$ whoami
guest	guest2
[guest@sofa home]\$ groups guest	[guest2@sofa home]\$ groups guest
guest : guest	guest : guest
[guest@sofa home]\$ groups guest2	[guest2@sofa home]\$ groups guest2
guest2 : guest2 guest	guest2 : guest2 guest
[guest@sofa home]\$ id -Gn	[guest2@sofa home]\$ id -Gn
guest	guest2 guest
[guest@sofa home]\$ id -G	[guest2@sofa home]\$ id -G
1001	1002 1001
[guest@sofa home]\$	[guest2@sofa home]\$

Сравнить полученную информацию с содержимым файла /etc/group

guest@sofa:/						guest2@sofa:/home					
File	Edit	View	Search	Terminal	Help	File	Edit	View	Search	Terminal	Help
gdm:x:42:						gdm:x:42:					
rpcuser:x:29:						rpcuser:x:29:					
nfsnobody:x:65534:						nfsnobody:x:65534:					
gnome-initial-setup:x:983:						gnome-initial-setup:x:983:					
sshd:x:74:						sshd:x:74:					
slocate:x:21:						slocate:x:21:					
avahi:x:70:						avahi:x:70:					
postdrop:x:90:						postdrop:x:90:					
postfix:x:89:						postfix:x:89:					
ntp:x:38:						ntp:x:38:					
tcpdump:x:72:						tcpdump:x:72:					
sofa:x:1000:sofa						sofa:x:1000:sofa					
guest:x:1001:guest2						guest:x:1001:guest2					
guest2:x:1002:						guest2:x:1002:					
[guest@sofa home]\$						[guest2@sofa home]\$					

Регистрация пользователя guest2 в группе guest

```
[guest2@sofa home]$ newgrp guest
[guest2@sofa home]$ gropus guest2
bash: gropus: command not found...
Similar command is: 'groups'
[guest2@sofa home]$ groups guest2
guest2 : guest2 guest
[guest2@sofa home]$ chmod g+rx /home/guest
chmod: changing permissions of '/home/guest': Operation
not permitted
[guest2@sofa home]$
```

Изменение прав директорий

```
[guest@sofa home]$ chmod g+rwX /home/guest
[guest@sofa home]$ lsattr /home
lsattr: Permission denied While reading flags on /home/sofa
----- /home/guest
lsattr: Permission denied While reading flags on /home/guest2
[guest@sofa home]$ lsattr /home/guest
lsattr: Permission denied While reading flags on /home/guest/
dir1
[guest@sofa home]$ ls -l /home
total 4
drwxrwx---. 6 guest guest 119 Sep 17 22:10 guest
drwx-----. 5 guest2 guest2 107 Sep 24 19:36 guest2
drwx-----. 15 sofa sofa 4096 Sep 24 19:31 sofa
[guest@sofa home]$ ls -l /home/guest
total 0
```

```
[guest@sofa home]$ ls -l /home/guest
total 0
d-----.. 2 guest guest 6 Sep 17 22:10 dir1
[guest@sofa home]$ chmod 000 dir1
chmod: cannot access 'dir1': No such file or directory
[guest@sofa home]$ chmod 000 /home/guest/dir1
[guest@sofa home]$ ls -l /home/guest
total 0
d-----.. 2 guest guest 6 Sep 17 22:10 dir1
```

Минимальные права для совершения операций

Операция	Права на директорию	Права на файл
Создание файла	d---wx---(030)	----- (000)
Удаление файла	d---wx---(030)	----- (000)
Чтение файла	d----x---(010)	----r----(040)
Запись в файл	d----x---(010)	----w----(020)
Переименование файла	d---wx---(030)	----- (000)
Создание поддиректории	d---wx---(030)	----- (000)
Удаление поддиректории	d---wx---(030)	----- (000)

Вывод

В результате проделанной лабораторной работы были получены практические навыки работы в консоли с атрибутами файлов для групп пользователей.