

Презентация к лабораторной работе 5

Операционные системы

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1. Установить и настроить менеджер паролей pass
2. Установить дополнительное программное обеспечение и шрифты
3. Создать репозиторий
4. Использовать chezmoi для настройки

Выполнение лабораторной работы

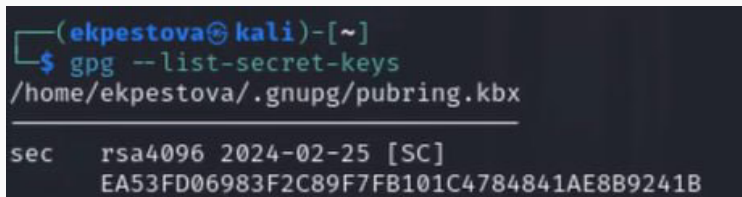
- устанавливаю менеджера паролей pass (рис. 1), (рис. 2).

```
(ekpestova@kali)-[~]  
$ sudo apt update && sudo apt install pass pass-otp  
[sudo] password for ekpestova:  
Hit:1 https://deb.nodesource.com/node_14.x bullseye InRelease  
Get:2 http://kali.download/kali kali-rolling InRelease [41.5 kB]  
Get:3 http://kali.download/kali kali-rolling/main amd64 Packages [1  
9.8 MB]  
34% [3 Packages 16.1 MB/19.8 MB 81%]
```

Рис. 1: pass-otp

```
(ekpestova@kali)-[~]  
$ sudo apt install gopass  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following packages were automatically installed and are no long  
er required:
```

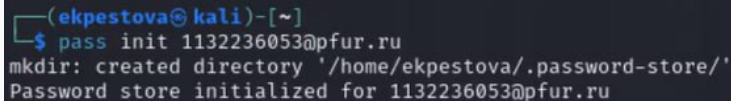
- просматриваю список ключей (рис. 3).



```
(ekpestova@kali)-[~]  
$ gpg --list-secret-keys  
/home/ekpestova/.gnupg/pubring.kbx  
-----  
sec    rsa4096 2024-02-25 [SC]  
        EA53FD06983F2C89F7FB101C4784841AE8B9241B
```

Рис. 2: список ключей

- инициализирую хранилище (рис. 4).

A terminal window with a dark background. The prompt is '(ekpestova@kali)-[~]'. The command '\$ pass init 1132236053@pfur.ru' has been entered. The output consists of two lines: 'mkdir: created directory '/home/ekpestova/.password-store/'' and 'Password store initialized for 1132236053@pfur.ru'.

```
(ekpestova@kali)-[~]  
$ pass init 1132236053@pfur.ru  
mkdir: created directory '/home/ekpestova/.password-store/'  
Password store initialized for 1132236053@pfur.ru
```

Рис. 3: инициализация

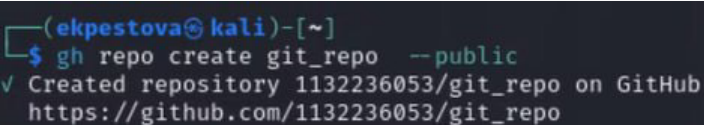
Выполнение лабораторной работы

- создаю структуру git (рис. 5).

```
(ekpestova@kali)-[~]  
$ pass git init  
  
Initialized empty Git repository in /home/ekpestova/.password-store  
/.git/  
[master (root-commit) 705c6f7] Add current contents of password store.  
1 file changed, 1 insertion(+)  
create mode 100644 .gpg-id  
[master 0409e80] Configure git repository for gpg file diff.  
1 file changed, 1 insertion(+)
```

Рис. 4: структура git

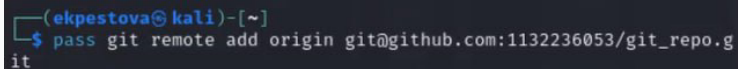
- создаю новый репозиторий на github и называю его git_repo (рис. 6).



```
(ekpestova@kali)-[~]  
$ gh repo create git_repo --public  
✓ Created repository 1132236053/git_repo on GitHub  
https://github.com/1132236053/git_repo
```

Рис. 5: репозиторий

- задаю адрес репозитория на хостинге (рис. 7).

A terminal window with a dark background. The prompt is `(ekpestova@kali)-[~]`. The command entered is `$ pass git remote add origin git@github.com:1132236053/git_repo.git`.

```
(ekpestova@kali)-[~]  
$ pass git remote add origin git@github.com:1132236053/git_repo.git
```

Рис. 6: адрес на хостинге

Выполнение лабораторной работы

- выполняю команды для синхронизации (рис. 8).

```
(ekpestova@kali)-[~]  
$ pass git push  
Enumerating objects: 6, done.  
Counting objects: 100% (6/6), done.  
Delta compression using up to 4 threads  
Compressing objects: 100% (3/3), done.  
Writing objects: 100% (6/6), 1.81 KiB | 926.00 KiB/s, done.  
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0  
To github.com:1132236053/git_repo.git  
* [new branch]      main → main  
  
(ekpestova@kali)-[~]  
$ pass git pull  
From github.com:1132236053/git_repo  
* branch            HEAD      → FETCH_HEAD  
Already up to date.
```

Рис. 7: синхронизация

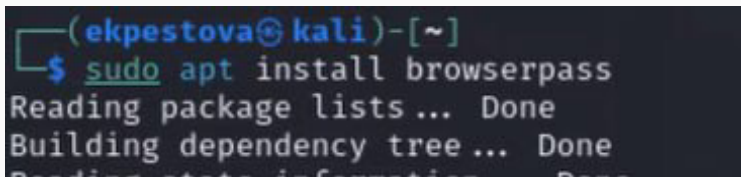
Выполнение лабораторной работы

- вручную выполняю коммиты и выкладываю изменения (рис. 9).

```
(ekpestova@kali)-[~]  
$ cd ~/.password-store/  
  
(ekpestova@kali)-[~/.password-store]  
$ git add .  
  
(ekpestova@kali)-[~/.password-store]  
$ git commit -am 'edit manually'  
On branch main  
nothing to commit, working tree clean  
  
(ekpestova@kali)-[~/.password-store]  
$ git push
```

Рис. 8: изменения

- устанавливаю browserpass (рис. 10).

A terminal window with a dark background. The prompt is `(ekpestova@kali)-[~]`. The user enters `$ sudo apt install browserpass`. The output shows the package lists being read, the dependency tree being built, and state information being read, all marked as 'Done'.

```
(ekpestova@kali)-[~]  
$ sudo apt install browserpass  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done
```

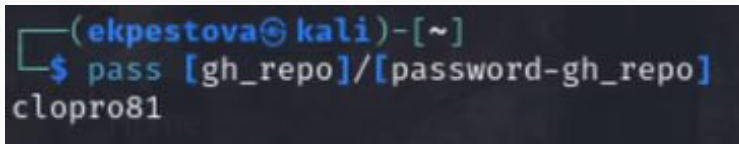
Рис. 9: browserpass

- добавляю новый пароль (рис. 11).

```
(ekpestova@kali)-[~]  
$ pass insert [gh_repo]/[password-gh_repo]  
mkdir: created directory '/home/ekpestova/.password-store/[gh_repo  
'
```

Выполнение лабораторной работы

- вывожу пароль на экран (рис. 12).

A terminal window with a dark background. The prompt is `(ekpestova@kali)~`. The user has entered the command `$ pass [gh_repo]/[password-gh_repo]`. The output of the command is `clopro81`.

```
(ekpestova@kali)~  
$ pass [gh_repo]/[password-gh_repo]  
clopro81
```

Рис. 10: пароль

- заменяю существующий пароль (рис. 13).

```
(ekpestova@kali)-[~]  
$ pass generate --in-place [gh_repo]/[password-gh_repo]  
  
[main a08d1b9] Replace generated password for [gh_repo]/[password-  
gh_repo].  
1 file changed, 0 insertions(+), 0 deletions(-)  
The generated password for [gh_repo]/[password-gh_repo] is:  
+rUU!2*_EwmQ}kp+>IX{}cTc{
```

Рис. 11: замена

Выполнение лабораторной работы

- устанавливаю дополнительное программное обеспечение (рис. 14), (рис. 15), (рис. 16), (рис. 17), (рис. 18), (рис. 19), (рис. 20), (рис. 21).

```
(ekpestova@kali)-[~]  
$ sudo apt -y install dunst  
[sudo] password for ekpestova:  
Reading package lists ... Done  
Building dependency tree ... Done  
Reading state information ... Done  
The following packages were automatically installed and are no longer required:  
  golang-1.21-go golang-1.21-src libboost-dev libboost1.83-dev  
  libopenblas-dev libopenblas-pthread-dev libopenblas0  
Use 'dpkg --get-selections' to see the status of installed packages.  
Use 'dpkg --get-architecture' to see the architecture of installed packages.  
Use 'dpkg-query -f='${Package} ${Version} ${Architecture}\n'
```

Рис. 12: установка доп ПО

```
(ekpestova@kali)-[~]  
$ sudo apt -y install fontawesome-fonts  
Reading package lists ... Done  
Building dependency tree ... Done  
The following packages were automatically installed and are no longer required:  
  fontawesome-fonts  
Use 'dpkg --get-selections' to see the status of installed packages.  
Use 'dpkg --get-architecture' to see the architecture of installed packages.  
Use 'dpkg-query -f='${Package} ${Version} ${Architecture}\n'
```

Рис. 13: установка доп ПО

Выполнение лабораторной работы

```
(ekpestova@kali)-[~]  
$ sudo apt -y install fuzzer  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following packages were automatically installed and are no longer required:  
  golang-1.21-go golang-1.21-src libboost-dev libboost1.83-dev  
  libopenblas-dev libopenblas-pthread-dev libopenblas0  
  libpython3-all-dev libpython3.12 libpython3.12-dev  
  libxsimd-dev python3-all-dev python3-beniget python3-gast
```

Рис. 14: установка доп ПО

```
(ekpestova@kali)-[~]  
$ sudo apt -y install swaylock  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following packages were automatically installed and are no longer required:  
  golang-1.21-go golang-1.21-src libboost-dev libboost1.83-dev  
  libopenblas-dev libopenblas-pthread-dev libopenblas0  
  libpython3-all-dev libpython3.12 libpython3.12-dev  
  libxsimd-dev python3-all-dev python3-beniget python3-gast
```

Рис. 15: установка доп ПО

Выполнение лабораторной работы

```
(ekpestova@kali)-[~]  
$ sudo apt -y install kitty  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following packages were automatically installed and are no longer required:  
  golang-1.21-go golang-1.21-src libboost-dev libboost1.83-dev  
  libopenblas-dev libopenblas-pthread-dev libopenblas0  
  libpython3-all-dev libpython3.12 libpython3.12-dev  
  libxsimd-dev python3-all-dev python3-beniget python3-gast  
  python3-nvthran python3.12-dev xtl-dev
```

Рис. 16: установка доп ПО

```
(ekpestova@kali)-[~]  
$ sudo apt -y install waybar swaybg  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following packages were automatically installed and are no longer required:  
  golang-1.21-go golang-1.21-src libboost-dev libboost1.83-dev  
  libopenblas-dev libopenblas-pthread-dev libopenblas0  
  libpython3-all-dev libpython3.12 libpython3.12-dev  
  libxsimd-dev python3-all-dev python3-beniget python3-gast
```

Рис. 17: установка доп ПО

Выполнение лабораторной работы

```
(ekpestova@kali)~$ sudo apt -y install wl-clipboard
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
wl-clipboard is already the newest version (2.2.1-1).
wl-clipboard set to manually installed.
The following packages were automatically installed and are no longer required:
  golang-1.21-go golang-1.21-src libboost-dev libboost1.83-dev
  libopenblas-dev libopenblas-pthread-dev libopenblas0
```

Рис. 18: установка доп ПО

```
(ekpestova@kali)~$ sudo apt -y install mpv
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  golang-1.21-go golang-1.21-src libboost-dev libboost1.83-dev
  libopenblas-dev libopenblas-pthread-dev libopenblas0
  libpython3-all-dev libpython3.12 libpython3.12-dev
  libpython3.12-stdlib libpython3.12-stdlib-dbg
```

Рис. 19: установка доп ПО

Я научилась работать с менеджером паролей pass и настраивать дополнительное программное обеспечение

Спасибо за внимание!
