

Лабораторной работе 5

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15 Мар 2024

Выполнение лабораторной работы

Менеджер паролей pass:

- ▶ Установка
- ▶ pass , dnf install pass pass-otp
- ▶ gopass , dnf install gopass

```
[babdullakhi@babdullakhi ~]$ sudo dnf install pass pass-otp
[sudo] password for babdullakhi:
Copr repo for gitflow owned by elegos 1.5 kB/s | 1.5 kB 00:01
Fedora 39 - x86_64 - Updates 38 kB/s | 19 kB 00:00
Fedora 39 - x86_64 - Updates 3.2 MB/s | 7.2 MB 00:02
google-chrome 4.4 kB/s | 1.3 kB 00:00
google-chrome 9.2 kB/s | 3.6 kB 00:00
RPM Fusion for Fedora 39 - Free - Updat 10 kB/s | 6.0 kB 00:00
RPM Fusion for Fedora 39 - Free - Updat 325 kB/s | 234 kB 00:00
RPM Fusion for Fedora 39 - Nonfree - Up 10 kB/s | 6.1 kB 00:00
RPM Fusion for Fedora 39 - Nonfree - Up 183 kB/s | 76 kB 00:00
Dependencies resolved.
=====
Package Architecture Version Repository Size
=====
Installing:
pass noarch 1.7.4-8.fc39 fedora 59 k
pass-otp noarch 1.2.0-12.fc39 fedora 28 k
Installing dependencies:
liboath x86_64 2.6.9-2.fc39 fedora 48 k
oathtool x86_64 2.6.9-2.fc39 fedora 45 k
qrencode x86_64 4.1.1-5.fc39 fedora 25 k
Transaction Summary
=====
Install 5 Packages

Total download size: 205 k
Installed size: 414 k
Is this ok [y/N]: y
Downloading Packages:
(1/5): liboath-2.6.9-2.fc39.x86_64.rpm 116 kB/s | 48 kB 00:00
(2/5): oathtool-2.6.9-2.fc39.x86_64.rpm 108 kB/s | 45 kB 00:00
```

Настройка:

► Ключи GPG

```
[babdullakhi@babdullakhi ~]$ gpg --list-secret-keys  
[keyboxd]  
-----  
sec    rsa4096 2024-02-28 [SC]  
        01EC06789E1A51E463BF246854D0D1024F510A01  
uid          [ultimate] Bahara Abdullahi <baharaabdullahi4@gmail.com>  
ssb    rsa4096 2024-02-28 [E]  
  
[babdullakhi@babdullakhi ~]$
```

Рис. 1: Просмотр списка ключей

Инициализация хранилища:

```
[babdullakhi@babdullakhi ~]$ sudo dnf install gopass
Last metadata expiration check: 0:00:48 ago on Thu 14 Mar 2024 10:52:55 PM MSK.
Dependencies resolved.

=====
Package                Arch      Version              Repo                Size
=====
Installing:
gopass                 x86_64    1.15.2-2.fc38        fedora              7.1 M
Installing dependencies:
fish                   x86_64    3.7.0-1.fc39         updates            3.4 M
pcre2-utf32            x86_64    10.42-1.fc39.2       fedora             200 k
Installing weak dependencies:
yt-dlp-fish-completion noarch    2023.12.30-1.fc39    updates            21 k

Transaction Summary
=====
Install 4 Packages

Total download size: 11 M
Installed size: 33 M
Is this ok [y/N]: y
Downloading Packages:
(1/4): pcre2-utf32-10.42-1.fc39.2.x86_6 791 kB/s | 200 kB    00:00
(2/4): yt-dlp-fish-completion-2023.12.3 488 kB/s | 21 kB     00:00
(3/4): gopass-1.15.2-2.fc38.x86_64.rpm  5.8 MB/s | 7.1 MB    00:01
(4/4): fish-3.7.0-1.fc39.x86_64.rpm      2.5 MB/s | 3.4 MB    00:01
-----
Total                                4.7 MB/s | 11 MB     00:02
Running transaction check
Transaction check succeeded.
```

Синхронизация с git:

► Создадим структуру git:

```
[babdullakhi@babdullakhi ~]$ pass git init
Initialized empty Git repository in /home/babdullakhi/.password-store/.git/
[master (root-commit) ec60ad1] Add current contents of password store.
1 file changed, 1 insertion(+)
create mode 100644 .gpg-id
[master e98cbe9] Configure git repository for gpg file diff.
1 file changed, 1 insertion(+)
create mode 100644 .gitattributes
[babdullakhi@babdullakhi ~]$
```

1 Your Repositories — Mozilla Firefox 40% 100% 10.0.2.15/24 58% 18% I us 56% R 22:57


Your Repositories - Mozilla Firefox [Browser] foot

OC_09.03.03: x Your Repositor x + v x

← → ↻ 🔒 https://github.com ☆ 📧 📁 ≡

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GitHub includes you in this requirement. You will need to enable two-factor authentication on your account before April 21, 2024, or be restricted from account actions.

 Bahara12

Running transaction

Preparing	:		1/1
Installing	:	pcr2-utf32-10.42-1.fc39.2.x86_64	1/4
Installing	:	fish-3.7.0-1.fc39.x86_64	2/4
Running scriptlet:	:	fish-3.7.0-1.fc39.x86_64	2/4
Installing	:	gopass-1.15.2-2.fc38.x86_64	3/4
Installing	:	yt-dlp-fish-completion-2023.12.30-1.fc39.noa	4/4
Running scriptlet:	:	yt-dlp-fish-completion-2023.12.30-1.fc39.noa	4/4
Verifying	:	gopass-1.15.2-2.fc38.x86_64	1/4
Verifying	:	pcr2-utf32-10.42-1.fc39.2.x86_64	2/4
Verifying	:	fish-3.7.0-1.fc39.x86_64	3/4
Verifying	:	yt-dlp-fish-completion-2023.12.30-1.fc39.noa	4/4

Installed:

fish-3.7.0-1.fc39.x86_64
gopass-1.15.2-2.fc38.x86_64
pcr2-utf32-10.42-1.fc39.2.x86_64
yt-dlp-fish-completion-2023.12.30-1.fc39.noarch

Complete!
[babdullakhi@babdullakhi ~]\$ gpg --list-secret-keys
[keyboxd]

Прямые изменения:

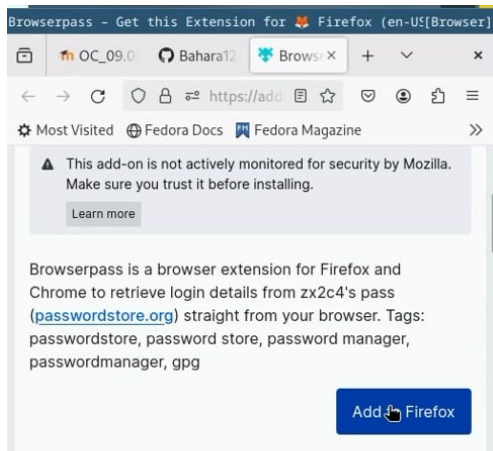
- ▶ Следует заметить, что отслеживаются только изменения, сделанные через сам `gorpass` (или `pass`).

```
[babdullakhi@babdullakhi ~]$ cd ~/.password-store/  
[babdullakhi@babdullakhi .password-store]$ git add .
```

```
[babdullakhi@babdullakhi .password-store]$ git commit -am 'edit manually'  
,  
On branch master  
Your branch is up to date with 'origin/master'.  
  
nothing to commit, working tree clean  
[babdullakhi@babdullakhi .password-store]$ git push  
Everything up-to-date  
[babdullakhi@babdullakhi .password-store]$ █
```

Настройка интерфейса с браузером:

- ▶ Для взаимодействия с браузером используется интерфейс native messaging.
- ▶ Плагин browserpass: Плагин для Firefox:
<https://addons.mozilla.org/en-US/firefox/addon/browserpass-ce/>.



Fedora:

- ▶ dnf copr enable maximbaz/browserpass
- ▶ dnf install browserpass

```
[babdullakhi@babdullakhi .password-store]$ sudo dnf copr enable maximbaz  
/browserpass  
[sudo] password for babdullakhi: █
```

```
[babdullakhi@babdullakhi .password-store]$ sudo dnf install browserpass  
Copr repo for browserpass owned by maxi 2.2 kB/s | 2.4 kB    00:01  
Dependencies resolved.
```

```
=====
```

Package	Arch	Version	Repository	Size
---------	------	---------	------------	------

```
=====
```

Installing:

```
browserpass  
x86_64 3.1.0-1.fc39  
copr:copr.fedorainfracloud.org:maximbaz:browserpass 1.1 M
```

Installing weak dependencies:

```
browserpass-chromium  
noarch 3.8.0-2.fc39  
copr:copr.fedorainfracloud.org:maximbaz:browserpass 1.1 M  
browserpass-firefox  
noarch 3.8.0-1.fc39  
copr:copr.fedorainfracloud.org:maximbaz:browserpass 1.1 M
```

Сохранение пароля:

- ▶ Добавить новый файла;
- ▶ touch pass.txt

```
[babdullakhi@babdullakhi .password-store]$ touch pass.txt
[babdullakhi@babdullakhi .password-store]$ pass insert pass.txt
Enter password for pass.txt:
Retype password for pass.txt:
[master 383f390] Add given password for pass.txt to store.
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 pass.txt.gpg
[babdullakhi@babdullakhi .password-store]$
```



- ▶ pass insert [OPTIONAL DIR]/[FILENAME]

```
[babdullakhi@babdullakhi .password-store]$ touch pass.txt
[babdullakhi@babdullakhi .password-store]$ pass insert pass.txt
Enter password for pass.txt:
Retype password for pass.txt:
[master 383f390] Add given password for pass.txt to store.
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 pass.txt.gpg
[babdullakhi@babdullakhi .password-store]$ pass pass.txt
bahara
```

```
[babdullakhi@babdullakhi .password-store]$ pass generate --in-place pass.txt
```

Управление файлами конфигурации:

- ▶ Дополнительное программное обеспечение;
- ▶ Установите дополнительное программное обеспечение:

```
[babdullakhi@babdullakhi .password-store]$ sudo dnf -y install \
dunst \
fontawesome-fonts \
powerline-fonts \
light \
fuzzel \
swaylock \
kitty \
waybar swaybg \
wl-clipboard \
mpv \
grim \
slurp
[sudo] password for babdullakhi: █
```

установите шрифты:

► `sudo dnf copr enable peterwu/iosevka`

```
[babdullakhi@babdullakhi .password-store]$ sudo dnf copr enable peterwu/iosevka
```

```
Enabling a Copr repository. Please note that this repository is not part of the main distribution, and quality may vary.
```

```
The Fedora Project does not exercise any power over the contents of this repository beyond the rules outlined in the Copr FAQ at <https://docs.pagure.org/copr.copr/user\_documentation.html#what-i-can-build-in-copr>, and packages are not held to any quality or security level.
```

```
Please do not file bug reports about these packages in Fedora Bugzilla. In case of problems, contact the owner of this repository.
```

```
Do you really want to enable copr.fedorainfracloud.org/peterwu/iosevka? [y/N]: y
```

```
Repository successfully enabled.
```

```
[babdullakhi@babdullakhi .password-store]$
```

```
[babdullakhi@babdullakhi .password-store]$ sudo dnf search iosevka  
Copr repo for iosevka owned by peterwu 81 kB/s | 53 kB 00:00
```

Установка:

- ▶ Установка бинарного файла. Скрипт определяет архитектуру процессора и операционную систему и скачивает необходимый файл:

```
[babdullakhi@babdullakhi .password-store]$ sh -c "$(wget -qO- chezmoi.io  
/get)"  
info found version 2.47.1 for latest/linux/amd64  
info installed ./bin/chezmoi  
[babdullakhi@babdullakhi .password-store]$
```

Рис. 4: с помощью wget:

Создание собственного репозитория с помощью утилит:

- ▶ Будем использовать утилиты командной строки для работы с github.

```
[babdullakhi@babdullakhi .password-store]$ sh -c "$(wget -qO- chezmoi.io
/get)"
info found version 2.47.1 for latest/linux/amd64
info installed ./bin/chezmoi
[babdullakhi@babdullakhi .password-store]$ gh repo create dotfiles --tem
plate="yamadharma/dotfiles-template" --private
✓ Created repository Bahara12/dotfiles on GitHub
https://github.com/Bahara12/dotfiles
[babdullakhi@babdullakhi .password-store]$
```

Подключение репозитория к своей системе:

- ▶ копировала chezmoi с помощью этой команды :
- ▶ `sudo cp ./bin/chezmoi /usr/local/bin`

```
[babdullakhi@babdullakhi .password-store]$ sudo cp ./bin/chezmoi /usr/local/bin
```

Инициализируйте chezmoi с вашим репозиторием dotfiles:

The screenshot shows a terminal window with a dark background. The top part of the terminal shows the output of a command to install chezmoi, listing various font packages and their versions. Below this, the terminal shows the output of a command to create a dotfiles repository on GitHub. The repository is named 'dotfiles' and is created as a private repository. The terminal then shows the command to clone the repository and the subsequent command to initialize chezmoi. The output of the initialization command shows the version of chezmoi found (2.47.1) and the location of the installed files (.bin/chezmoi). The terminal also shows the command to create a repository on GitHub and the subsequent command to clone it. The output of the cloning command shows the repository being cloned and the files being checked out.

```
Installing : iosevka-slab-fonts-29.0.1-1.fc39.noarch 2/6
Installing : iosevka-fonts-29.0.1-1.fc39.noarch 3/6
Installing : iosevka-etoile-fonts-29.0.1-1.fc39.noarch 4/6
Installing : iosevka-curly-fonts-29.0.1-1.fc39.noarch 5/6
Installing : iosevka-aile-fonts-29.0.1-1.fc39.noarch 6/6
Running scriptlet: iosevka-curly-fonts-29.0.1-1.fc39.noarch 6/6
Verifying : iosevka-aile-fonts-29.0.1-1.fc39.noarch 1/6
Verifying : iosevka-curly-fonts-29.0.1-1.fc39.noarch 2/6
Verifying : iosevka-etoile-fonts-29.0.1-1.fc39.noarch 3/6
Verifying : iosevka-fonts-29.0.1-1.fc39.noarch 4/6
Verifying : iosevka-slab-fonts-29.0.1-1.fc39.noarch 5/6
Verifying : iosevka-term-fonts-29.0.1-1.fc39.noarch 6/6

Installed:
iosevka-aile-fonts-29.0.1-1.fc39.noarch
iosevka-curly-fonts-29.0.1-1.fc39.noarch
iosevka-etoile-fonts-29.0.1-1.fc39.noarch
iosevka-fonts-29.0.1-1.fc39.noarch
iosevka-slab-fonts-29.0.1-1.fc39.noarch
iosevka-term-fonts-29.0.1-1.fc39.noarch

Complete!
[babdullakhi@babdullakhi .password-store]$ sh -c "$(wget -qO- chezmoi.io/get)"
info found version 2.47.1 for latest/linux/amd64
info installed ./bin/chezmoi
[babdullakhi@babdullakhi .password-store]$ gh repo create dotfiles --template="yamadhama/dotfiles-template" --private
✓ Created repository Bahara12/dotfiles on GitHub
https://github.com/Bahara12/dotfiles
[babdullakhi@babdullakhi .password-store]$ sudo cp ./bin/chezmoi/user/local/bin
[sudo] password for babdullakhi:
cp: missing destination file operand after './bin/chezmoi/user/local/bin'
Try 'cp --help' for more information.
[babdullakhi@babdullakhi .password-store]$ sudo cp ./bin/chezmoi/user/local/bin
cp: cannot create regular file '/user/local/bin': No such file or directory
[babdullakhi@babdullakhi .password-store]$ sudo cp ./bin/chezmoi/user/local/bin
[babdullakhi@babdullakhi .password-store]$ chezmoi init
```

dotfiles Private

Star

code Public

Updated 44 minutes ago

Star

study_2022-2023_os-intro Public

HTML Creative Commons Attribution 4.0 International

Updated 5 days ago

Star

git-extended Public

Updated last week

Star

https://github.com/Bahara12/dotfiles

Использование chezmoi на нескольких машинах:

- ▶ Установка;
- ▶ Установка бинарного файла. Скрипт определяет архитектуру процессора и операционную систему и скачивает необходимый файл:
- ▶ с помощью wget: `sh -c "$(wget -qO- chezmoi.io/get)"`

```
bahara-abdullahi@bahara-abdullahi-VirtualBox:~$ sh -c "$(wget -  
qO- chezmoi.io/get)"  
info found version 2.47.1 for latest/linux/amd64  
info installed ./bin/chezmoi  
bahara-abdullahi@bahara-abdullahi-VirtualBox:~$
```

```
bahara-abdullahi@bahara-abdullahi-VirtualBox:~$ sudo cp ./bin/c  
hezmoi /usr/local/bin  
[sudo] password for bahara-abdullahi:  
bahara-abdullahi@bahara-abdullahi-VirtualBox:~$
```

- ▶ копировала chezmoi с помощью этой команды в ubuntu :

Настройка новой машины с помощью одной команды:

- ▶ Ежедневные операции с chezmoi:
- ▶ Извлеките последние изменения из репозитория и примените их
- ▶ Можно извлечь изменения из репозитория и применить их одной командой:

```
bahara-abdullahi@bahara-abdullahi-VirtualBox:~$ chezmoi update  
-v  
Already up to date.  
bahara-abdullahi@bahara-abdullahi-VirtualBox:~$
```

- ▶ Извлеките последние изменения из своего репозитория и посмотрите, что изменится, фактически не применяя изменения:

```
[babdullakhi@babdullakhi .password-store]$ chezmoi update  
Already up to date.  
[babdullakhi@babdullakhi .password-store]$
```

```
[babdullakhi@babdullakhi .password-store]$ chezmoi git pull -- --autosta  
sh --rebase && chezmoi diff
```

Автоматически фиксируйте и отправляйте изменения в репозиторий:

- ▶ Можно автоматически фиксировать и отправлять изменения в исходный каталог в репозиторий.
- ▶ Чтобы включить её, добавьте в файл конфигурации ~/.config/chezmoi/chezmoi.toml следующее:
- ▶ ~/.config/chezmoi/chezmoi.toml следующее:

```
[babdullakhi@babdullakhi .password-store]$ nano ~/.config/chezmoi/chezmoi.toml
```

```
foot
GNU nano 7.2 /home/babdullakhi/.config/chezmoi/chezmoi.toml
[data]
  email = "baharaabdullahi4@gmail.com"

[git]
  autoCommit = true
  autoPush = true
```

Спасибо за внимание!