Laboratory work No. 5

Customizing the working environment

Karpova E.A.

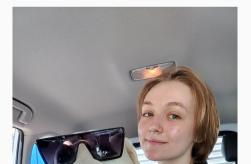
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Peoples' Friendship University of Russia, Moscow, Russia

Information

Speaker

- Karpova Esenia Alexkseevna
- Student NKAbd-02-23
- Faculty of Physics and Mathematics
- PFUR
- 1132236008@pfur.ru
- https://github.com/eakarpova



Introductory part

Relevance

• Every programmer needs the skill to customize the working environment

Aims and objectives

Purpose of the work

Acquire the skill to customize the working environment

- Tasks
- 1. Install the pass password manager
- 2. Manage configuration files

Execution of laboratory work

Installing the password manager pass

Configuring gpg keys - view keys

Storage initialization

```
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~$ pass init 1132236008@pfur.ru
mkdir: created directory '/home/eakarpova/.password-store/'
Password store initialized for 1132236008@pfur.ru
```

Customizing the interface with the browser

Adding a new password

```
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~/.password-store$ pass insert .password-store/READme
mkdir: created directory '/home/eakarpova/.password-store/.password-store'
Enter password for .password-store/READme:
Retype password for .password-store/READme:
[master 0b90122] Add given password for .password-store/READme to store.
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 .password-store/READme.gpg
```

Replacing an existing password

```
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~/.password-store$ pass generate --in-place .password
-store/READme
[master cee2997] Replace generated password for .password-store/READme.
1 file changed, 0 insertions(+), 0 deletions(-)
The generated password for _password-store/READme ts:
EgS*1cQ`V0wU90F+C%ay!:'\V
```

html format

Installation of additional software

```
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~/.password-store$ sudo apt -y install light \
     fuzzel \
     swavlock \
     kittv \
     waybar swaybg \
     wl-clipboard \
     / vam
     arim \
     slurp
Чтение списков пакетов... Готово
Построение дерева зависимостей… Готово
Чтение информации о состоянии... Готово
Уже установлен пакет wl-clipboard самой новой версии (2.2.0-1).
wl-clipboard помечен как установленный вручную.
Будут установлены следующие дополнительные пакеты:
  kitty-doc kitty-shell-integration kitty-terminfo libatkmm-1.6-1v5 libcairomm-1.0-1v5
  libdate_tz3 libfcft4 libfmt9 libglibmm_2 4-1v5 libgtk_laver_shell0 libgtkmm_3 0-1v5
```

 Installing a binary that detects the processor architecture and operating system and downloads the required file

Configuration file management

Creating your own repository using template-based configuration file utilities

```
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~/.password-store$ gh repo create dotfiles --template ="yamadharma/dotfiles-template" --private √ Created repository eakarpova/dotfiles on GitHub
```

 Connecting a repository to your system: initializing chezmoi with dotfiles repository

```
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~/.password-store$ sudo snap install chezmoi --classi
c
chezmoi 2.47.1 from Tom Payne (twpayne) installed
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~/.password-store$ chezmoi init git@github.com:eakarp
ova/dotfiles.git
Cloning into '/home/eakarpova/.local/share/chezmoi'...
Enter passphrase for key '/home/eakarpova/.ssh/id_rsa':
remote: Enumerating objects: 100, done.
remote: Counting objects: 100% (100/100), done.
remote: Compressing objects: 100% (87/87), done.
remote: Total 100 (delta 0), reused 99 (delta 0), pack-reused 0
Receiving objects: 100% (100/100), 77.86 KiB | 95.00 KiB/s, done.
```

Code for html format

 I retrieve the latest changes from the repository and apply them first with a single command, then in stages

```
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~/.password-store$ chezmoi update
Enter passphrase for key '/home/eakarpova/.ssh/id_rsa':
Already up to date.
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~/.password-store$ chezmoi git pull -- --autostash --
rebase && chezmoi diff
Enter passphrase for key '/home/eakarpova/.ssh/id_rsa':
Already up to date.
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~/.password-store$ chezmoi apply
```

Enable automatic commit and send of repository changes

```
GNU nano 7.2 /home/eakarpova/.config/chezmoi/chezmoi.toml

[data]
   email = "1132236008@pfur.ru"

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

Results

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Results

In the course of the laboratory work I acquired the skill of customizing the working environment