

Управление версиями

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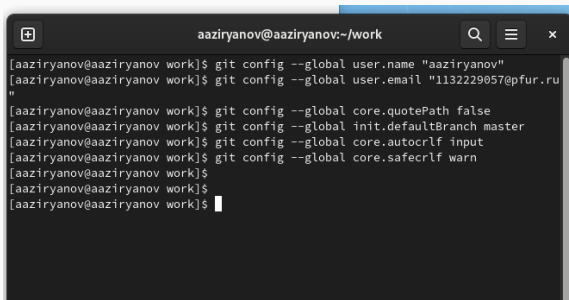
Цели и задачи работы

Цель лабораторной работы

Целью данной работы является изучение идеологии и применения средств контроля версий и освоение умений работать с git.

Процесс выполнения лабораторной работы

Глобальные параметры репозитория

A terminal window with a dark background and light text. The title bar shows the user 'aaziryanov' at host 'aaziryanov' in the directory '~/work'. The terminal contains a series of Git configuration commands and their outputs. The commands are: 'git config --global user.name "aaziryanov"', 'git config --global user.email "1132229057@pfur.ru"', 'git config --global core.quotePath false', 'git config --global init.defaultBranch master', 'git config --global core.autocrlf input', and 'git config --global core.safecrlf warn'. Each command is followed by a prompt '[aaziryanov@aaziryanov work]\$' and the output of the command. The last prompt is followed by a cursor.

```
aaziryanov@aaziryanov:~/work
[aaziryanov@aaziryanov work]$ git config --global user.name "aaziryanov"
[aaziryanov@aaziryanov work]$ git config --global user.email "1132229057@pfur.ru"
[aaziryanov@aaziryanov work]$ git config --global core.quotePath false
[aaziryanov@aaziryanov work]$ git config --global init.defaultBranch master
[aaziryanov@aaziryanov work]$ git config --global core.autocrlf input
[aaziryanov@aaziryanov work]$ git config --global core.safecrlf warn
[aaziryanov@aaziryanov work]$
[aaziryanov@aaziryanov work]$
```

Рис. 1: Параметры репозитория

Добавляем GPG ключ в аккаунт

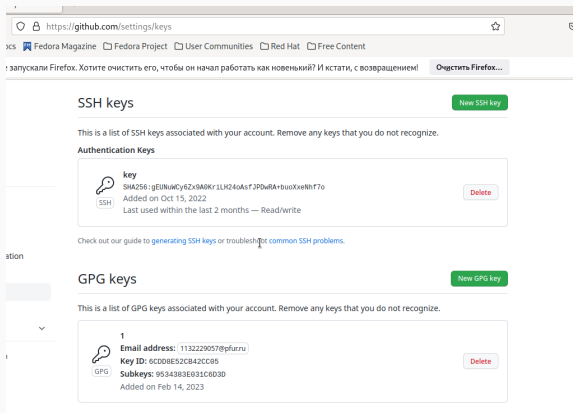
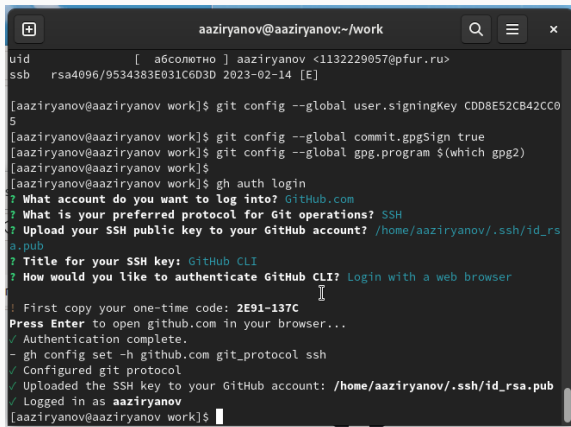


Рис. 2: GPG ключ

Настройка gh

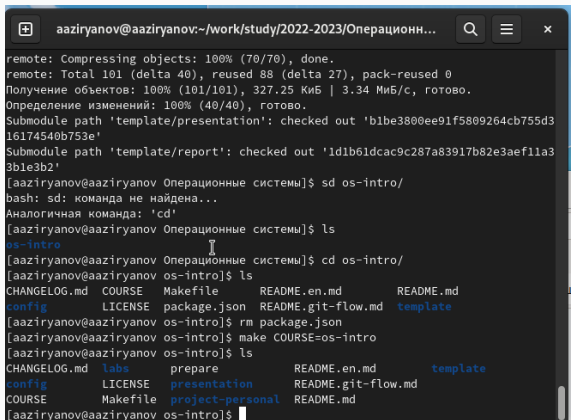


```
aaziryanov@aaziryanov:~/work
uid      [ абсолютно ] aaziryanov <1132229057@pfur.ru>
ssb      rsa4096/9534383E031C6D3D 2023-02-14 [E]

[aaziryanov@aaziryanov work]$ git config --global user.signingKey CDD8E52CB42CC05
[aaziryanov@aaziryanov work]$ git config --global commit.gpgSign true
[aaziryanov@aaziryanov work]$ git config --global gpg.program $(which gpg2)
[aaziryanov@aaziryanov work]$
[aaziryanov@aaziryanov work]$ gh auth login
? What account do you want to log into? GitHub.com
? What is your preferred protocol for Git operations? SSH
? Upload your SSH public key to your GitHub account? /home/aaziryanov/.ssh/id_rsa.pub
? Title for your SSH key: GitHub CLI
? How would you like to authenticate GitHub CLI? Login with a web browser
! First copy your one-time code: 2E91-137C
Press Enter to open github.com in your browser...
✓ Authentication complete.
- gh config set -h github.com git_protocol ssh
✓ Configured git protocol
✓ Uploaded the SSH key to your GitHub account: /home/aaziryanov/.ssh/id_rsa.pub
✓ Logged in as aaziryanov
[aaziryanov@aaziryanov work]$
```

Рис. 3: Связь репозитория с аккаунтом

Подготовка репозитория



```
aaziryanov@aaziryanov:~/work/study/2022-2023/Операционн...
remote: Compressing objects: 100% (70/70), done.
remote: Total 101 (delta 40), reused 88 (delta 27), pack-reused 0
Получение объектов: 100% (101/101), 327.25 КиБ | 3.34 МиБ/с, готово.
Определение изменений: 100% (40/40), готово.
Submodule path 'template/presentation': checked out 'b1be380ee91f5809264cb755d316174540b753e'
Submodule path 'template/report': checked out '1d1b61dcac9c287a83917b82e3aef11a33b1e3b2'
[aaziryanov@aaziryanov Операционные системы]$ sd os-intro/
bash: sd: команда не найдена...
Аналогичная команда: 'cd'
[aaziryanov@aaziryanov Операционные системы]$ ls
os-intro
[aaziryanov@aaziryanov Операционные системы]$ cd os-intro/
[aaziryanov@aaziryanov os-intro]$ ls
CHANGELOG.md  COURSE  Makefile      README.en.md      README.md
config        LICENSE  package.json  README.git-flow.md  template
[aaziryanov@aaziryanov os-intro]$ rm package.json
[aaziryanov@aaziryanov os-intro]$ make COURSE=os-intro
[aaziryanov@aaziryanov os-intro]$ ls
CHANGELOG.md  labs      prepare      README.en.md      template
config        LICENSE  presentation  README.git-flow.md
COURSE        Makefile  project-personal  README.md
[aaziryanov@aaziryanov os-intro]$
```

Рис. 4: Подготовка репозитория

Выводы по проделанной работе

Мы приобрели практические навыки работы с сервисом github.