

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.

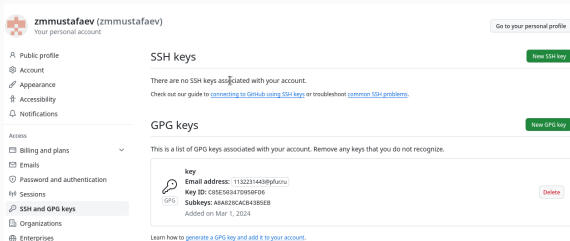
Процесс выполнения лабораторной работы

Глобальные параметры репозитория

```
zmmustafaev@zmmustafaev:~$  
zmmustafaev@zmmustafaev:~$ git config --global user.name "zmmustafaev"  
zmmustafaev@zmmustafaev:~$ git config --global user.email "1132231443@pfur.ru"  
zmmustafaev@zmmustafaev:~$ git config --global core.quotepath false  
zmmustafaev@zmmustafaev:~$ git config --global init.defaultBranch master  
zmmustafaev@zmmustafaev:~$ git config --global core.autocrlf input  
zmmustafaev@zmmustafaev:~$ git config --global core.safecrlf warn  
zmmustafaev@zmmustafaev:~$
```

Рис. 1: Параметры репозитория

Добавляем GPG ключ в аккаунт



The screenshot shows the GitHub account settings page for user **zmmustafaev (zmmustafaev)**. The left sidebar contains navigation links: Public profile, Account, Appearance, Accessibility, Notifications, Access (Billing and plans, Emails, Password and authentication, Sessions), **SSH and GPG keys** (highlighted), Organizations, and Enterprises. The main content area is divided into two sections: **SSH keys** and **GPG keys**. The SSH keys section states there are no SSH keys associated with the account and provides a link to a guide on connecting to GitHub using SSH keys. The GPG keys section shows a list of GPG keys associated with the account. One key is listed with the following details: Key ID: C85E569347D956FD6, Subkeys: ABAB28CAB4385EB, and it was added on Mar 1, 2024. A 'Delete' button is visible next to the key. A link to learn how to generate a GPG key and add it to the account is also present.

zmmustafaev (zmmustafaev)
Your personal account

Go to your personal profile

Public profile
Account
Appearance
Accessibility
Notifications

Access

Billing and plans
Emails
Password and authentication
Sessions
SSH and GPG keys
Organizations
Enterprises

SSH keys


There are no SSH keys associated with your account.

Check out our guide to [connecting to GitHub using SSH keys](#) or troubleshoot [common SSH problems](#).

New SSH key

GPG keys

This is a list of GPG keys associated with your account. Remove any keys that you do not recognize.

key
 Email address: 1132231443@yandex.ru
Key ID: C85E569347D956FD6
Subkeys: ABAB28CAB4385EB
Added on Mar 1, 2024
Delete

Learn how to [generate a GPG key and add it to your account](#).

Рис. 2: GPG ключ

Настройка gh

```
zmmustafaev@zmmustafaev:~$  
zmmustafaev@zmmustafaev:~$ gh auth login  
? What account do you want to log into? GitHub.com  
? What is your preferred protocol for Git operations on this host? SSH  
? Upload your SSH public key to your GitHub account? /home/zmmustafaev/.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: 7191-C35D  
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/zmmustafaev/.ssh/id_rsa.pub  
✓ Logged in as zmmustafaev  
zmmustafaev@zmmustafaev:~$ mkdir -p ~/work/study/2023-2024/"Операционные системы"  
zmmustafaev@zmmustafaev:~$ cd ~/work/study/2023-2024/"Операционные системы"  
zmmustafaev@zmmustafaev:~/work/study/2023-2024/Операционные системы$ gh repo create os-intro --template=yamadharma/  
course-directory-student-template --public  
✓ Created repository zmmustafaev/os-intro on GitHub  
zmmustafaev@zmmustafaev:~/work/study/2023-2024/Операционные системы$
```

Рис. 3: Связь репозитория с аккаунтом

Подготовка репозитория

```
W$ create mode 100755 project-personal/stage6/report/pandoc/filters/pandoc_tablenos.py
create mode 100644 project-personal/stage6/report/pandoc/filters/pandocxnos/_init_.py
pac create mode 100644 project-personal/stage6/report/pandoc/filters/pandocxnos/core.py
create mode 100644 project-personal/stage6/report/pandoc/filters/pandocxnos/main.py
create mode 100644 project-personal/stage6/report/pandoc/filters/pandocxnos/pandocattributes.py
create mode 100644 project-personal/stage6/report/report.md
zmmustafaev@zmmustafaev:~/work/study/2023-2024/Операционные системы/os-intro$ git push
Перечисление объектов: 38, готово.
Подсчет объектов: 100% (38/38), готово.
При сжатии изменений используется до 6 потоков
Сжатие объектов: 100% (38/38), готово.
Запись объектов: 100% (37/37), 342.07 Киб | 3.72 Миб/с, готово.
Всего 37 (изменений 4), повторно использовано 0 (изменений 0), повторно использовано пакетов 0
remote: Resolving deltas: 100% (4/4), completed with 1 local object.
To github.com:zmmustafaev/os-intro.git
432bb8b..3e060a8 master -> master
zmmustafaev@zmmustafaev:~/work/study/2023-2024/Операционные системы/os-intro$
```

Рис. 4: Подготовка репозитория

Выводы по проделанной работе

Мы приобрели практические навыки работы с сервисом github.