

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.

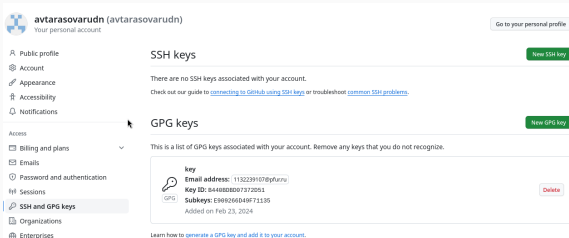
Процесс выполнения лабораторной работы

Глобальные параметры репозитория

```
avtarasova@avtarasova:~$ git config --global user.name "avtarasovarudn"
avtarasova@avtarasova:~$ git config --global user.email "1132239107@pfur.ru"
avtarasova@avtarasova:~$ git config --global core.quotepath false
avtarasova@avtarasova:~$ git config --global init.defaultBranch master
avtarasova@avtarasova:~$ git config --global core.autocrlf input
avtarasova@avtarasova:~$ git config --global core.safecrlf warn
avtarasova@avtarasova:~$
```

Рис. 1: Параметры репозитория

Добавляем GPG ключ в аккаунт



The screenshot shows the GitHub account settings page for user 'avtarasovarudn'. 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 your account.' and provides a link to a guide on connecting to GitHub using SSH keys. The 'GPG keys' section states 'This is a list of GPG keys associated with your account. Remove any keys that you do not recognize.' and displays a single GPG key with the following details: Email address: 11322391070@yurru, Key ID: 0440808D07372051, Subkeys: E908266D40F71135, Added on Feb 23, 2024. A 'Delete' button is visible next to the key. A 'New GPG key' button is also present in the top right corner of the GPG keys section.

avtarasovarudn (avtarasovarudn)
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: 11322391070@yurru
Key ID: 0440808D07372051
Subkeys: E908266D40F71135
Added on Feb 23, 2024

Delete

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

Рис. 2: GPG ключ

Настройка gh

```
avtarasova@avtarasova:~$  
avtarasova@avtarasova:~$ 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/avtarasova/.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: 4927-7AF5  
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/avtarasova/.ssh/id_rsa.pub  
✓ Logged in as avtarasovarudn  
avtarasova@avtarasova:~$ mkdir -p ~/work/study/2023-2024/"Операционные системы"  
avtarasova@avtarasova:~$ cd ~/work/study/2023-2024/"Операционные системы"  
avtarasova@avtarasova:~/work/study/2023-2024/Операционные системы$ gh repo create os-intro --template=yamadharma/course-directory-student-template --public  
✓ Created repository avtarasovarudn/os-intro on GitHub  
avtarasova@avtarasova:~/work/study/2023-2024/Операционные системы$
```

Рис. 3: Связь репозитория с аккаунтом

Подготовка репозитория

```
create mode 100755 project-personal/stage6/report/pandoc/filters/pandoc_schemos.py
create mode 100755 project-personal/stage6/report/pandoc/filters/pandoc_tablenos.py
create mode 100644 project-personal/stage6/report/pandoc/filters/pandocxnos/__init__.py
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
avtarasova@avtarasova:~/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), 341.41 КиБ | 2.80 МБ/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:avtarasovarudn/os-intro.git
 64e2e43..e2f3ec1 master -> master
avtarasova@avtarasova:~/work/study/2023-2024/Операционные системы/os-intro$
```

Рис. 4: Подготовка репозитория

Выводы по проделанной работе

Мы приобрели практические навыки работы с сервисом github.