

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.

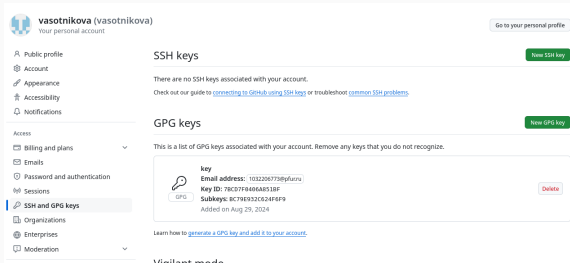
Процесс выполнения лабораторной работы

Глобальные параметры репозитория

```
vasotnikova@vasotnikova:~$  
vasotnikova@vasotnikova:~$ git config --global user.name "vasotnikova"  
vasotnikova@vasotnikova:~$ git config --global user.email "1032206773@pfur.ru"  
vasotnikova@vasotnikova:~$ git config --global core.quotepath false  
vasotnikova@vasotnikova:~$ git config --global init.defaultBranch master  
vasotnikova@vasotnikova:~$ git config --global core.autocrlf input  
vasotnikova@vasotnikova:~$ git config --global core.safecrlf warn  
vasotnikova@vasotnikova:~$
```

Рис. 1: Параметры репозитория

Добавляем GPG ключ в аккаунт



The screenshot shows the GitHub account settings page for user 'vasotnikova'. 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, Enterprises, and Moderation. The main content area is divided into two sections: 'SSH keys' and 'GPG keys'. The 'SSH keys' section has a 'New SSH key' button and a message stating there are no SSH keys associated with the account, with links to guides for connecting to GitHub using SSH keys and troubleshooting common SSH problems. The 'GPG keys' section has a 'New GPG key' button and a message stating this is a list of GPG keys associated with the account, with a link to learn how to generate a GPG key and add it to the account. A single GPG key is listed with details: key, Email address: 1032206773@yfu.ru, Key ID: 78C97F0406A851BF, Subkeys: BC79E932C624F8F9, and Added on Aug 29, 2024. A 'Delete' button is visible next to the key.

vasotnikova (vasotnikova)
Your personal account [Go to your personal profile](#)


- Public profile
- Account
- Appearance
- Accessibility
- Notifications

SSH keys [New SSH key](#)

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](#).

GPG keys [New GPG key](#)

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

key
 Email address: 1032206773@yfu.ru
Key ID: 78C97F0406A851BF
Subkeys: BC79E932C624F8F9
Added on Aug 29, 2024
Delete

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

Vinilant mode

Рис. 2: GPG ключ

Настройка gh

```
vasotnikova@vasotnikova:~$  
vasotnikova@vasotnikova:~$ 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/vasotnikova/.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: A37E-2FF9  
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/vasotnikova/.ssh/id_rsa.pub  
✓ Logged in as vasotnikova  
vasotnikova@vasotnikova:~$ mkdir -p ~/work/study/2023-2024/"Операционные системы"  
vasotnikova@vasotnikova:~$ cd ~/work/study/2023-2024/"Операционные системы"  
vasotnikova@vasotnikova:~/work/study/2023-2024/Операционные системы$ gh repo create os-intro --templat  
e=yamadharma/course-directory-student-template --public  
✓ Created repository vasotnikova/os-intro on GitHub  
https://github.com/vasotnikova/os-intro  
vasotnikova@vasotnikova:~/work/study/2023-2024/Операционные системы$ git clone --recursive git@github.  
com:vasotnikova/os-intro.git os-intro  
Клонирование в «os-intro»...  
The authenticity of host 'github.com (140.82.121.4)' can't be established.  
ED25519 key fingerprint is SHA256:+D1Y3wvvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvCOqU.  
This key is not known by any other names.
```

Рис. 3: Связь репозитория с аккаунтом

Подготовка репозитория

```
create mode 100755 project-personal/stage6/report/pandoc/filters/pandoc_secnos.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
vasotnikova@vasotnikova: ~/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% (30/30), готово.
Запись объектов: 100% (37/37), 342.06 КиБ | 2.69 МБ/с, готово.
Total 37 (delta 4), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (4/4), completed with 1 local object.
To github.com:vasotnikova/os-intro.git
   1ddb18b..1a788fc master -> master
vasotnikova@vasotnikova: ~/work/study/2023-2024/Операционные системы/os-intro$
```

Рис. 4: Подготовка репозитория

Выводы по проделанной работе

Мы приобрели практические навыки работы с сервисом github.