

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.

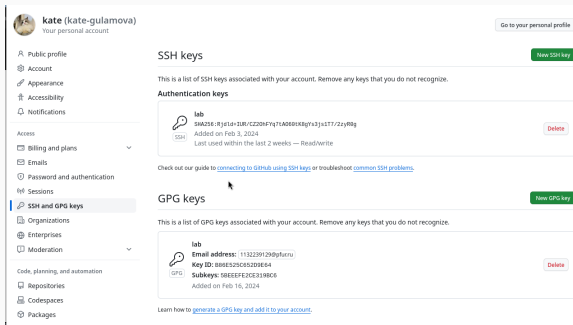
Процесс выполнения лабораторной работы

Глобальные параметры репозитория

```
emgulamova@emgulamova:~$ git config --global user.name "kate-gulamova"  
emgulamova@emgulamova:~$ git config --global user.email "1132239129@pfur.ru"  
emgulamova@emgulamova:~$ git config --global core.quotePath false  
emgulamova@emgulamova:~$ git config --global init.defaultBranch master  
emgulamova@emgulamova:~$ git config --global core.autocrlf input  
emgulamova@emgulamova:~$ git config --global core.safecrlf warn
```

Рис. 1: Параметры репозитория

Добавляем GPG ключ в аккаунт




The screenshot shows the GitHub account settings page for a user named 'kate (kate-gulamova)'. 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, Moderation, Code, planning, and automation, Repositories, Codespaces, and Packages. 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 list of authentication keys. One key is shown with the title 'lab', a long alphanumeric string, and a 'Delete' button. The 'GPG keys' section has a 'New GPG key' button and a list of GPG keys. One key is shown with the title 'lab', an email address, a key ID, subkeys, and a 'Delete' button. Both sections include a link to learn more about connecting to GitHub using SSH keys or troubleshooting common SSH problems.

SSH keys [New SSH key](#)

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


Authentication keys

 **lab**
SHA256:Ry6Lu+2lW/CZ20H7q7lA060UK8grs3Js177/2zyR0g
Added on Feb 3, 2024
Last used within the last 2 weeks — Read/Write
[Delete](#)

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.

 **lab**
Email address: 1132239129@yurru
Key ID: B06E525C65D09E64
Subkeys: 5BEEFE2CE319BC6
Added on Feb 16, 2024
[Delete](#)

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

Рис. 2: GPG ключ

Настройка gh

```
emgulanova@emgulanova:~$  
emgulanova@emgulanova:~$ 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/emgulanova/.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: 658C-9F62  
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/emgulanova/.ssh/id_rsa.pub  
✓ Logged in as kate-gulanova  
emgulanova@emgulanova:~$ mkdir -p ~/work/study/2023-2024/"Операционные системы"  
emgulanova@emgulanova:~$ cd ~/work/study/2023-2024/"Операционные системы"  
emgulanova@emgulanova:~/work/study/2023-2024/Операционные системы$ gh repo create os-intro --template=yamad  
arma/course-directory-student-template --public  
✓ Created repository kate-gulanova/os-intro on GitHub  
emgulanova@emgulanova:~/work/study/2023-2024/Операционные системы$
```

Рис. 3: Связь репозитория с аккаунтом

Подготовка репозитория

```
create mode 100644 project-personal/stage6/report/bib/cite.bib
create mode 100644 project-personal/stage6/report/image/placeimg_800_600_tech.jpg
create mode 100644 project-personal/stage6/report/pandoc/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100755 project-personal/stage6/report/pandoc/filters/pandoc_eqnos.py
create mode 100755 project-personal/stage6/report/pandoc/filters/pandoc_fignos.py
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
engulamov@engulamova:~/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), 342.07 Киб | 2.90 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:kate-gulamova/os-intro.git
  3bf4c33..5ad9eca master -> master
engulamov@engulamova:~/work/study/2023-2024/Операционные системы/os-intro$
```

Рис. 4: Подготовка репозитория

Выводы по проделанной работе

Мы приобрели практические навыки работы с сервисом github.