

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.

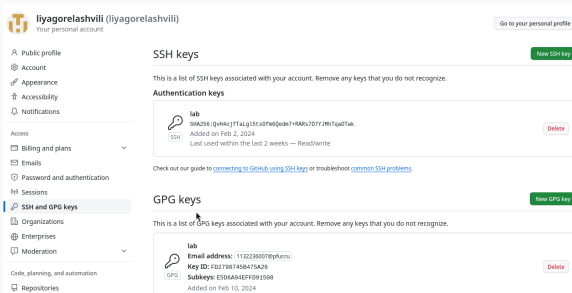
Процесс выполнения лабораторной работы

Глобальные параметры репозитория

```
lgorelashvili@lgorelashvili:~$ git config --global user.name "liyagorelashvili"  
lgorelashvili@lgorelashvili:~$ git config --global user.email "1132236007@pfur.ru"  
lgorelashvili@lgorelashvili:~$ git config --global core.quotePath false  
lgorelashvili@lgorelashvili:~$ git config --global init.defaultBranch master  
lgorelashvili@lgorelashvili:~$ git config --global core.autocrlf input  
lgorelashvili@lgorelashvili:~$ git config --global core.safecrlf warn
```

Рис. 1: Параметры репозитория

Добавляем GPG ключ в аккаунт




The screenshot shows the GitHub account settings page for user 'liyagorelashvili'. 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, and Repositories. 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 label '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 label 'lab', an email address, a key ID, subkeys, and a 'Delete' button.

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: qvH4oJTTALg15cU0rWbQeda7r8ABu7D7YJN1tqu0Twk
Added on Feb 2, 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: 1132236007@yfu.ru
Key ID: F027987F5A26
Subkeys: E506A84E5F091598
Added on Feb 10, 2024 Delete

Рис. 2: GPG ключ

Настройка gh

```
lgorelashvili@gorelashvili:~$ 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/lgorelashvili/.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: 5460-C997
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/lgorelashvili/.ssh/id_rsa.pub
✓ Logged in as liyagorelashvili
lgorelashvili@gorelashvili:~$ mkdir -p ~/work/study/2023-2024/"Операционные системы"
lgorelashvili@gorelashvili:~$ cd ~/work/study/2023-2024/"Операционные системы"
lgorelashvili@gorelashvili:~/work/study/2023-2024/Операционные системы$ gh repo create os-intro --template=yamadharma/course-directory-student-template --public
✓ Created repository liyagorelashvili/os-intro on GitHub
lgorelashvili@gorelashvili:~/work/study/2023-2024/Операционные системы$
```

Рис. 3: Связь репозитория с аккаунтом

Подготовка репозитория

```
create mode 100755 project-personal/stage6/report/pandoc/filters/pandoc_tableenos.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
lgorelashvili@lgorelashvili:~/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 | 3.03 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:liyagorelashvili/os-intro.git
   faddc49..8253179  master -> master
lgorelashvili@lgorelashvili:~/work/study/2023-2024/Операционные системы/os-intro$
```

Рис. 4: Подготовка репозитория

Выводы по проделанной работе

Мы приобрели практические навыки работы с сервисом github.