

# Управление версиями

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# Цели и задачи работы

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# Цель лабораторной работы

Целью данной работы является изучение идеологии и применения средств контроля версий и освоение умений работать с git.

# **Процесс выполнения лабораторной работы**

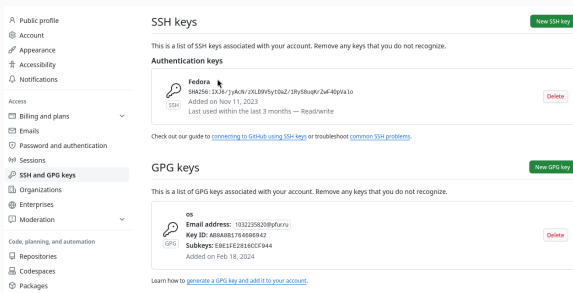
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# Глобальные параметры репозитория

```
kgashimov@kgashimov:~$  
kgashimov@kgashimov:~$  
kgashimov@kgashimov:~$ git config --global user.email "1032235820@pfur.ru"  
kgashimov@kgashimov:~$ git config --global core.quotepath false  
kgashimov@kgashimov:~$ git config --global user.name "kenangashimov"  
kgashimov@kgashimov:~$ git config --global init.defaultBranch master  
kgashimov@kgashimov:~$ git config --global core.autocrlf input  
kgashimov@kgashimov:~$ git config --global core.safecrlf warn  
kgashimov@kgashimov:~$
```

Рис. 1: Параметры репозитория

# Добавляем GPG ключ в аккаунт




The screenshot shows the GitHub account settings page. On the left is a sidebar with 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 for 'Fedora' with a public key and a 'Delete' button. The GPG keys section has a 'New GPG key' button and a list of GPG keys. One key is shown for 'os' with an email address, key ID, subkey, and a 'Delete' button. Both sections include links to guides for connecting to GitHub using SSH keys and 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**

 **Fedora**  
SHA256:1XJ6/jyAclv/zxLb0V5yt0aZ/r1RyS8uqKz2w44yVla1o  
Added on Nov 11, 2023  
Last used within the last 3 months — 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.

 **os**  
Email address: 103225820@pfur.ru  
Key ID: AB8A8B81764606942  
Subkeys: EBE1FE2816C5F944  
Added on Feb 18, 2024 Delete

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

Рис. 2: GPG ключ

# Настройка gh

```
kgashimov@kgashimov:~$ 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/kgashimov/.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: 4CA9-A20B
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/kgashimov/.ssh/id_rsa.pub
✓ Logged in as kenangashimov
kgashimov@kgashimov:~$ mkdir -p -/work/study/2023-2024/"Операционные системы"
kgashimov@kgashimov:~$ cd -/work/study/2023-2024/"Операционные системы"
kgashimov@kgashimov:~/work/study/2023-2024/Операционные системы$ gh repo create os-intro --template=yanadharma/course-directory-student-template --public
✓ Created repository kenangashimov/os-intro on GitHub
kgashimov@kgashimov:~/work/study/2023-2024/Операционные системы$
```

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
kgashimov@kgashimov: /work/study/2023-2024/Операционные системы/os-intro$ git push
Перечисление объектов: 100%, 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 | 2.43 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:kenangashimov/os-intro.git
4cc36c6..b6326c9 master -> master
kgashimov@kgashimov: /work/study/2023-2024/Операционные системы/os-intro$
```

Рис. 4: Подготовка репозитория



## **Выводы по проделанной работе**

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Мы приобрели практические навыки работы с сервисом github.