

# 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**

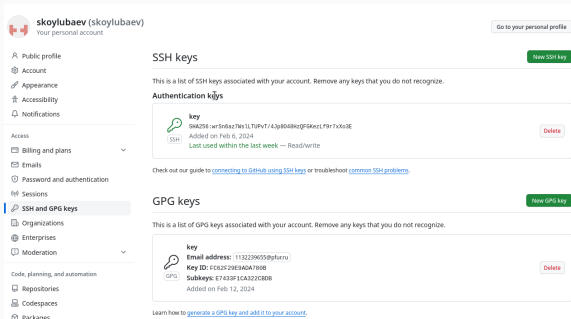
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# Глобальные параметры репозитория

```
skoylubaev@skoylubaev:~$  
skoylubaev@skoylubaev:~$ git config --global user.name "skoylubaev"  
skoylubaev@skoylubaev:~$ git config --global user.email "1132239655@pfur.ru"  
skoylubaev@skoylubaev:~$ git config --global core.quotepath false  
skoylubaev@skoylubaev:~$ git config --global init.defaultBranch master  
skoylubaev@skoylubaev:~$ git config --global core.autocrlf input  
skoylubaev@skoylubaev:~$ git config --global core.safecrlf warn  
skoylubaev@skoylubaev:~$
```

Рис. 1: Параметры репозитория

# Добавляем GPG ключ в аккаунт



The screenshot shows the GitHub account settings for user 'skoylubaev'. 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 shows one authentication key with details like the key ID, creation date, and permissions. The GPG keys section shows one key with details like the email address, key ID, and subkeys. Both sections include a 'Delete' button and a link to learn how to generate and add keys.

**skoylubaev (skoylubaev)**  
Your personal account


Go to your personal profile

New SSH key

### SSH keys

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

#### Authentication keys


| key  |
|--|
|  <b>key</b><br>SHA256:wr5n6az7Nk1LTUPvT/43p8048RQZF6KecL9r7xX63E<br>Added on Feb 6, 2024<br>Last used within the last week — Read/write |

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  |
|--|
|  <b>key</b><br>Email address: 1132239655@yuluru<br>Key ID: FC82F29E9ADA7808<br>Subkeys: E7433F1CA322C8DB<br>Added on Feb 12, 2024 |

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

Рис. 2: GPG ключ

```
skoylubaev@skoylubaev:~$ git config --global gpg.program $(which gpg2)
skoylubaev@skoylubaev:~$ 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/skoylubaev/.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: D098-1340
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/skoylubaev/.ssh/id_rsa.pub
✓ Logged in as skoylubaev
skoylubaev@skoylubaev:~$ mkdir -p ~/work/study/2023-2024/"Операционные системы"
skoylubaev@skoylubaev:~$ cd ~/work/study/2023-2024/"Операционные системы"
skoylubaev@skoylubaev:~/work/study/2023-2024/Операционные системы$ gh repo create os-intro --template=yanadharma/course-di
rectory-student-template --public
✓ Created repository skoylubaev/os-intro on GitHub
skoylubaev@skoylubaev:~/work/study/2023-2024/Операционные системы$
```

Рис. 3: Связь репозитория с аккаунтом

# Подготовка репозитория

```
create mode 100644 project-personal/stage6/report/pandoc/csl/gost-r-7-8-5-2008-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
skoylubaevskoylubaev:~/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), 342.00 Киб | 3.23 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:skoylubaev/os-intro.git
   ff252e4..4521ab4  master -> master
skoylubaevskoylubaev:~/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.