

# Управление версиями

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13 февраля, 2024, Москва, Россия

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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

```
zsgadardoshev@zsgadardoshev:~$ git config --global user.name "zaurgadardoshev"  
zsgadardoshev@zsgadardoshev:~$ git config --global user.email "1132236133@rudn.ru"  
zsgadardoshev@zsgadardoshev:~$  
zsgadardoshev@zsgadardoshev:~$ git config --global core.quotepath false  
zsgadardoshev@zsgadardoshev:~$ git config --global init.defaultBranch master  
zsgadardoshev@zsgadardoshev:~$ git config --global core.autocrlf input  
zsgadardoshev@zsgadardoshev:~$ git config --global core.safecrlf warn  
zsgadardoshev@zsgadardoshev:~$
```

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 with a red 'Delete' button. The 'GPG keys' section has a 'New GPG key' button and a list of GPG keys. One key is shown with a red 'Delete' button. Below the GPG key list, there is a link to learn how to generate a GPG key and add it to the account.

**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**

 **key**  
SHA256:YalOCTLunEoYjSjM/cfZs1p1phRFX8seZYK8C1QL/8  
Added on Sep 30, 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.

 **GPG key**  
Email address: 1132236133@ru.nl.ru  
Key ID: D75F5C4E3AA6E946  
Subkeys: 8964763A4E091D98  
Added on Feb 13, 2024 Delete

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

Рис. 2: GPG ключ

# Настройка gh

```
zsgadaboshev@zsgadaboshev:~$ 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/zsgadaboshev/.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: 40FB-234C
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/zsgadaboshev/.ssh/id_rsa.pub
✓ Logged in as zsgadaboshev
zsgadaboshev@zsgadaboshev:~$ mkdir -p ~/work/study/2023-2024/"Операционные системы"
zsgadaboshev@zsgadaboshev:~$ cd ~/work/study/2023-2024/"Операционные системы"
zsgadaboshev@zsgadaboshev:~/work/study/2023-2024/Операционные системы$ gh repo create os-intro --template=yamadharma/course-directory-student-template --public
✓ Created repository zsgadaboshev/os-intro on GitHub
zsgadaboshev@zsgadaboshev:~/work/study/2023-2024/Операционные системы$
```

Рис. 3: Связь репозитория с аккаунтом

# Подготовка репозитория

```
create mode 100755 project-personal/stage6/report/pandoc/filters/pandoc_latexenos.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
zzgadarboshev@zzgadarboshev:~/work/study/2023-2024/Операционные системы/os-intro$ git push
Перечисление объектов: 38, готово.
Подсчет объектов: 100% (38/38), готово.
При скатии изменений используется до 6 потоков
Сжатие объектов: 100% (30/30), готово.
Запись объектов: 100% (37/37), 342.07 KiB | 3.23 MiB/c, 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:zaurgadaborshev/os-intro.git
   d459224..302fb54  master -> master
zzgadarboshev@zzgadarboshev:~/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.