

# Управление версиями

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# Цели и задачи работы

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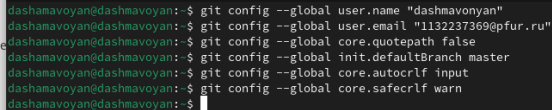
# Цель лабораторной работы

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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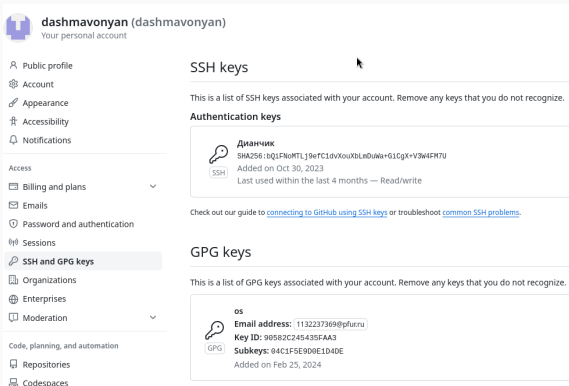
# Глобальные параметры репозитория

A terminal window with a dark background and light green text. It shows a series of six git config commands being executed in a shell. The prompt is 'dashmavoyan@dashmavoyan:~\$'. The commands set the global user name, email, core.quotePath, init.defaultBranch, core.autocrlf, and core.safecrlf. The last line shows the prompt again with a cursor.

```
dashmavoyan@dashmavoyan:~$ git config --global user.name "dashmavoyan"  
dashmavoyan@dashmavoyan:~$ git config --global user.email "1132237369@pfur.ru"  
dashmavoyan@dashmavoyan:~$ git config --global core.quotePath false  
dashmavoyan@dashmavoyan:~$ git config --global init.defaultBranch master  
dashmavoyan@dashmavoyan:~$ git config --global core.autocrlf input  
dashmavoyan@dashmavoyan:~$ git config --global core.safecrlf warn  
dashmavoyan@dashmavoyan:~$
```

**Рис. 1:** Параметры репозитория

# Добавляем GPG ключ в аккаунт



The screenshot shows the GitHub account settings for user **dashmavonyan**. 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, and Moderation. Below these are links for Code, planning, and automation, Repositories, and Codespaces.

The main content area is titled **SSH keys** and contains a message: "This is a list of SSH keys associated with your account. Remove any keys that you do not recognize." Below this is a section for **Authentication keys** with one key listed:

SSH	Дяничик
	SHA256: dQ1FNoMTLJ9eFC1dvXouXBLeD/wa+G1CgX+V3W4FM7U
	Added on Oct 30, 2023
	Last used within the last 4 months — Read/write

Below the SSH keys section is a link: "Check out our guide to [connecting to GitHub using SSH keys](#) or troubleshoot [common SSH problems](#)."

The next section is titled **GPG keys** and contains a message: "This is a list of GPG keys associated with your account. Remove any keys that you do not recognize." Below this is a section for **OS** with one key listed:

GPG	OS
	Email address: t132237369@pfur.ru
	Key ID: 90582C245435FAA3
	Subkeys: 04C1F5E9D0E1D4DE
	Added on Feb 25, 2024

Рис. 2: GPG ключ

# Настройка gh

```
dashamavoyan@dashamavoyan:~$  
dashamavoyan@dashamavoyan:~$ 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/dashamavoyan/.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: TEC8-E155  
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/dashamavoyan/.ssh/id_rsa.pub  
✓ Logged in as dashamavoyan  
dashamavoyan@dashamavoyan:~$ mkdir -p ~/work/study/2023-2024/"Операционные системы"  
dashamavoyan@dashamavoyan:~$ cd ~/work/study/2023-2024/"Операционные системы"  
dashamavoyan@dashamavoyan:~/work/study/2023-2024/Операционные системы$ gh repo create os-intro --template=yanadharma/course-directory-student-template --public  
✓ Created repository dashamavoyan/os-intro on GitHub  
dashamavoyan@dashamavoyan:~/work/study/2023-2024/Операционные системы$
```

Рис. 3: Связь репозитория с аккаунтом

# Подготовка репозитория

```
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
dashamavoyan@dashmavoyan: ~/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), 342.06 КиБ | 2.80 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:dashmavonyan/os-intro.git
  7ee19d2..463b73e  master -> master
dashamavoyan@dashmavoyan: ~/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.