

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

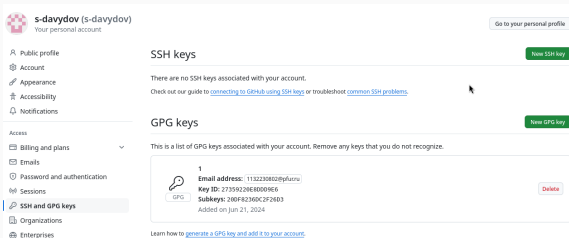
Глобальные параметры репозитория

```
sadavidov@sadavidov:~$  
sadavidov@sadavidov:~$  
sadavidov@sadavidov:~$ git config --global user.name "s-davydov"  
sadavidov@sadavidov:~$ git config --global user.email "1132230802@pfur.ru"  
sadavidov@sadavidov:~$ git config --global core.quotepath false  
sadavidov@sadavidov:~$ git config --global init.defaultBranch master  
sadavidov@sadavidov:~$ git config --global core.autocrlf input  
sadavidov@sadavidov:~$ git config --global core.safecrlf warn  
sadavidov@sadavidov:~$
```

davydov

Рис. 1: Параметры репозитория

Добавляем GPG ключ в аккаунт



The screenshot shows the GitHub account settings page for user 's-davydov'. 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, and Enterprises. The main content area is divided into two sections: 'SSH keys' and 'GPG keys'. The 'SSH keys' section states 'There are no SSH keys associated with your account.' and provides a link to a guide on connecting to GitHub using SSH keys. The 'GPG keys' section shows a list of GPG keys associated with the account. One key is listed with the following details: Email address: 1132230802@yandex.ru, Key ID: 27359220E80009E6, Subkeys: 200F8236DC2F2603, and it was added on Jun 21, 2024. A 'Delete' button is visible next to the key. A 'New GPG key' button is also present in the top right corner of the GPG keys section.

s-davydov (s-davydov)
Your personal account

Go to your personal profile

Public profile
Account
Appearance
Accessibility
Notifications

Access
Billing and plans
Emails
Password and authentication
Sessions
SSH and GPG keys
Organizations
Enterprises

SSH keys

There are no SSH keys associated with your account.

Check out our guide to [connecting to GitHub using SSH keys](#) or troubleshoot [common SSH problems](#).

New SSH key

GPG keys

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

1	Email address: 1132230802@yandex.ru Key ID: 27359220E80009E6 Subkeys: 200F8236DC2F2603 Added on Jun 21, 2024	Delete

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

Рис. 2: GPG ключ

Настройка gh

```
sadavidov@sadavidov:~$  
sadavidov@sadavidov:~$ git config --global user.signingkey 27359220E8DD9E6  
sadavidov@sadavidov:~$ git config --global commit.gpgsign true  
sadavidov@sadavidov:~$ git config --global gpg.program $(which gpg2)  
sadavidov@sadavidov:~$ 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/sadavidov/.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: 9890-9FCB  
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/sadavidov/.ssh/id_rsa.pub  
✓ Logged in as s-davydov  
sadavidov@sadavidov:~$
```

Рис. 3: Связь репозитория с аккаунтом

Подготовка репозитория

```
create mode 100644 project-personal/stage6/report/pandoc/cst/gost-1-1-0-2000-number-text
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
sadaydov@sadaydov: /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), 342.06 КБ | 2.74 МБ/с, готово.
Total 37 (delta 4), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (4/4), completed with 1 local object.
To github.com:s-davydov/os-intro.git
7dd9e8c..e4bf128 master -> master
sadaydov@sadaydov: /work/study/2023-2024/Операционные системы/os-intro$
```

Рис. 4: Подготовка репозитория

Выводы по проделанной работе

Мы приобрели практические навыки работы с сервисом github.