

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.

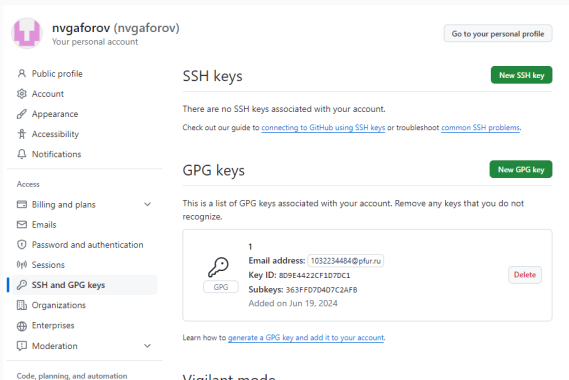
Процесс выполнения лабораторной работы

Глобальные параметры репозитория

```
nvgaforov@nvgaforov:~$  
nvgaforov@nvgaforov:~$ git config --global user.name "nvgaforov"  
nvgaforov@nvgaforov:~$ git config --global user.email "1032234484@pfur.ru"  
nvgaforov@nvgaforov:~$ git config --global core.quotepath false  
nvgaforov@nvgaforov:~$ git config --global init.defaultBranch master  
nvgaforov@nvgaforov:~$ git config --global core.autocrlf input  
nvgaforov@nvgaforov:~$ git config --global core.safecrlf warn  
nvgaforov@nvgaforov:~$
```

Рис. 1: Параметры репозитория

Добавляем GPG ключ в аккаунт



The screenshot shows the GitHub account settings for user 'nvgaforov'. The left sidebar contains navigation links: Public profile, Account, Appearance, Accessibility, Notifications, Access (with sub-links for Billing and plans, Emails, Password and authentication, Sessions, SSH and GPG keys, Organizations, Enterprises, and Moderation), and Code, planning, and automation. The 'SSH and GPG keys' section is active. 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 message stating there are no SSH keys associated with the account, with a link to a guide. The 'GPG keys' section has a 'New GPG key' button and a list of one GPG key. The key details are: 1, Email address: 1032234484@pfur.ru, Key ID: 8D9E4422CF1D7DC1, Subkeys: 363FFD70407C2AF8, Added on Jun 19, 2024. A 'Delete' button is next to the key. A link to learn how to generate a GPG key is also present.

nvgaforov (nvgaforov)
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
Moderation

Code, planning, and automation

SSH keys

New SSH key

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](#).

GPG keys

New GPG key

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

1

Email address: 1032234484@pfur.ru

Key ID: 8D9E4422CF1D7DC1

Subkeys: 363FFD70407C2AF8

Added on Jun 19, 2024

Delete

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

Рис. 2: GPG ключ

Настройка gh

```
nvgaforov@nvgaforov:~$  
nvgaforov@nvgaforov:~$ 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/nvgaforov/.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: 003B-B946  
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/nvgaforov/.ssh/id_rsa.pub  
✓ Logged in as nvgaforov  
nvgaforov@nvgaforov:~$
```

Рис. 3: Связь репозитория с аккаунтом

Подготовка репозитория

```
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
nvgaforov@nvgaforov:~/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 | 2.59 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:nvgaforov/os-intro.git
  8f7bc5c..31daa50  master -> master
nvgaforov@nvgaforov:~/work/study/2023-2024/Операционные системы/os-intro$
```

Рис. 4: Подготовка репозитория

Выводы по проделанной работе

Мы приобрели практические навыки работы с сервисом github.