

Операционные системы

Управление версиями

Павел Фудоткин

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Российский университет дружбы народов, Москва, Россия

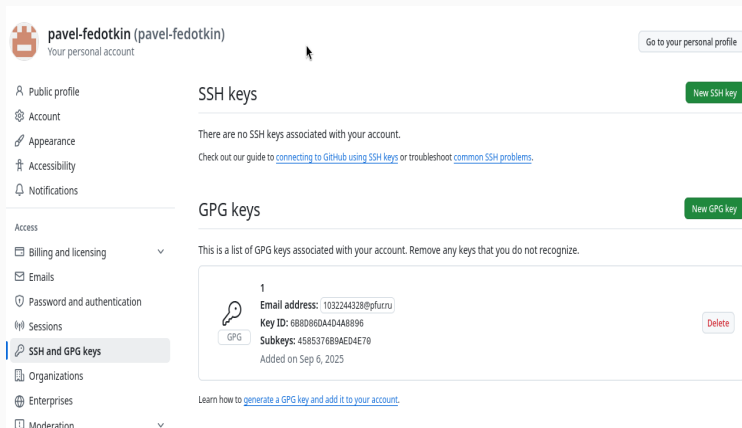
Цели и задачи работы

Целью данной работы является изучение идеологии и применения средств контроля версий и освоение умений работать с git.

Процесс выполнения лабораторной работы

```
pavelfedotkin@pavelfedotkin:~$  
pavelfedotkin@pavelfedotkin:~$  
pavelfedotkin@pavelfedotkin:~$ git config --global user.name "pavel-fedotkin"  
pavelfedotkin@pavelfedotkin:~$ git config --global user.email "1032244328@pfur.ru"  
pavelfedotkin@pavelfedotkin:~$ git config --global core.quotepath false  
pavelfedotkin@pavelfedotkin:~$  
pavelfedotkin@pavelfedotkin:~$ git config --global init.defaultBranch master  
pavelfedotkin@pavelfedotkin:~$ git config --global core.autocrlf input  
pavelfedotkin@pavelfedotkin:~$ git config --global core.safecrlf warn  
pavelfedotkin@pavelfedotkin:~$
```

Рис. 1: Параметры репозитория



The screenshot shows the GitHub account settings page for user 'pavel-fedotkin'. The left sidebar contains navigation links: Public profile, Account, Appearance, Accessibility, Notifications, Access, Billing and licensing, Emails, Password and authentication, Sessions, SSH and GPG keys (highlighted), Organizations, Enterprises, and Moderation. The main content area is titled 'SSH keys' and 'GPG keys'. The 'SSH keys' section is currently empty, with a 'New SSH key' button. The 'GPG keys' section shows a list of GPG keys associated with the account. One key is listed with the following details: Email address: 1032244328@pfur.ru, Key ID: 6B8D86DA4D4A8896, Subkeys: 4585376B9AED4E70, and Added on Sep 6, 2025. A 'Delete' button is visible next to the key. A link to 'Learn how to generate a GPG key and add it to your account' is provided at the bottom of the GPG keys section.

pavel-fedotkin (pavel-fedotkin)
Your personal account

Go to your personal profile

Public profile
Account
Appearance
Accessibility
Notifications

Access

Billing and licensing
Emails
Password and authentication
Sessions
SSH and GPG keys
Organizations
Enterprises
Moderation

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: 1032244328@pfur.ru Key ID: 6B8D86DA4D4A8896 Subkeys: 4585376B9AED4E70 Added on Sep 6, 2025

Delete

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

Рис. 2: GPG ключ

```
pavelfedotkin@pavelfedotkin:~$ gh auth login

? Where do you use GitHub? GitHub.com
? What is your preferred protocol for Git operations on this host? SSH
? Upload your SSH public key to your GitHub account? /home/pavelfedotkin/.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: 3323-983A
Press Enter to open https://github.com/login/device 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/pavelfedotkin/.ssh/id_rsa.pub
✓ Logged in as pavel-fedotkin
pavelfedotkin@pavelfedotkin:~$
```

Рис. 3: Связь репозитория с аккаунтом

Подготовка репозитория

```
remote: Total 207 (delta 92), reused 170 (delta 55), pack-reused 0 (from 0)
Получение объектов: 100% (207/207), 760.70 КиБ | 3.73 МиБ/с, готово.
Определение изменений: 100% (92/92), готово.
Submodule path 'template/presentation': checked out '645759e4b104e93753637dedf8109adf24d071b7'
Submodule path 'template/report': checked out 'cbca6e80e9c8e9b190a4bbbb8595f82335ae634a'
pavelfedotkin@pavelfedotkin:~/work/study/2024-2025/Операционные системы$
pavelfedotkin@pavelfedotkin:~/work/study/2024-2025/Операционные системы$
pavelfedotkin@pavelfedotkin:~/work/study/2024-2025/Операционные системы$ cd ~/work/study/2024-2025/"Операционные системы"/os-intro
pavelfedotkin@pavelfedotkin:~/work/study/2024-2025/Операционные системы/os-intro$ make COURSE=os-intro prepare
pavelfedotkin@pavelfedotkin:~/work/study/2024-2025/Операционные системы/os-intro$ rm package.json
pavelfedotkin@pavelfedotkin:~/work/study/2024-2025/Операционные системы/os-intro$ ls
COURSE  LICENSE  prepare  project-personal  README.git-flow.md  template
labs    Makefile  presentation  README.en.md      README.md
pavelfedotkin@pavelfedotkin:~/work/study/2024-2025/Операционные системы/os-intro$
```

Рис. 4: Подготовка репозитория

Выводы по проделанной работе

Мы приобрели практические навыки работы с сервисом github.