

Управление версиями

Абдурахмонов Ихтиёр Бахтиёрович¹

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¹Российский Университет Дружбы Народов

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

```
iabddurakhmonov@iabdrakhmonov ~$  
iabddurakhmonov@iabdrakhmonov ~$  
iabddurakhmonov@iabdrakhmonov ~$ git config --global user.name "iabdrahmonov"  
iabddurakhmonov@iabdrakhmonov ~$ git config --global user.email "1032229030@pfur.ru"  
iabddurakhmonov@iabdrakhmonov ~$ git config --global core.quotePath false  
iabddurakhmonov@iabdrakhmonov ~$ git config --global init.defaultBranch master  
iabddurakhmonov@iabdrakhmonov ~$ git config --global core.autocrlf input  
iabddurakhmonov@iabdrakhmonov ~$ git config --global core.safecrlf warn  
iabddurakhmonov@iabdrakhmonov ~$  
iabddurakhmonov@iabdrakhmonov ~$
```

Рис. 1: Параметры репозитория

Добавляем GPG ключ в аккаунт

Go to your personal profile

SSH keys

New SSH key

There are no SSH keys associated with your account.


Check out our guide to [generating 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: 1032229030@pfur.ru
Key ID: 952CA50539CFBA64
Subkeys: 828DF3F8BD686101
Added on Feb 16, 2023

Delete

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

Vigilant mode

☐ **Flag unsigned commits as unverified**
This will include any commit attributed to your account but not signed with your GPG or S/MIME key.
Note that this will include your existing unsigned commits.
[Learn about vigilant mode.](#)

Рис. 2: GPG ключ

Настройка gh

```
[ibabdurakhmonov@iabdrakhmonov ~]$  
[ibabdurakhmonov@iabdrakhmonov ~]$ gh auth login  
? What account do you want to log into? GitHub.com  
? What is your preferred protocol for Git operations? SSH  
? Upload your SSH public key to your GitHub account? /home/ibabdurakhmonov/.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: F142-7EBE  
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/ibabdurakhmonov/.ssh/id\_rsa.pub  
✓ Logged in as iabdrahmonov  
[ibabdurakhmonov@iabdrakhmonov ~]$  
[ibabdurakhmonov@iabdrakhmonov ~]$
```

Рис. 3: Связь репозитория с аккаунтом

The screenshot shows a terminal window on the left and a file explorer view on the right. The terminal displays the output of a `git log` command, showing a series of commits by user `labdrahmonov` for the `os-intro` project. The commits are dated 2022-03-20 and include messages like `feat(main): make course structure`. The file explorer on the right shows the repository structure, including folders like `config`, `labs`, `presentation`, `project-personal`, and `template`, and files like `gitattributes`, `gitignore`, `gitmodules`, `CHANGELOG.md`, `COURSE`, and `LICENSE`.

6/7

Выводы по проделанной работе

Мы приобрели практические навыки работы с сервисом github.