

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

```
[lindsaywilliam@lindsaywilliam ~]$  
[lindsaywilliam@lindsaywilliam ~]$ git config --global user.name "LindsayWilliam"  
[lindsaywilliam@lindsaywilliam ~]$ git config --global user.email "l032224491@pfur.ru"  
[lindsaywilliam@lindsaywilliam ~]$ git config --global core.quotePath false  
[lindsaywilliam@lindsaywilliam ~]$ git config --global init.defaultBranch master  
[lindsaywilliam@lindsaywilliam ~]$ git config --global core.autocrlf input  
[lindsaywilliam@lindsaywilliam ~]$ git config --global core.safecrlf warn  
[lindsaywilliam@lindsaywilliam ~]$
```

Рис. 1: Параметры репозитория

Добавляем GPG ключ в аккаунт

**LindsayWilliam**
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

Moderation

Code, planning, and automation

Repositories

Codespaces

Packages

Copilot


SSH keys

New SSH key

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

Authentication Keys

1



SHA256:h1bPZA4dUYBcW4nN7s8aM7WaL0hzvAeVY+unSCP
L3cg
Added on Jan 6, 2023
Last used within the last 2 months — Read/write

Delete


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

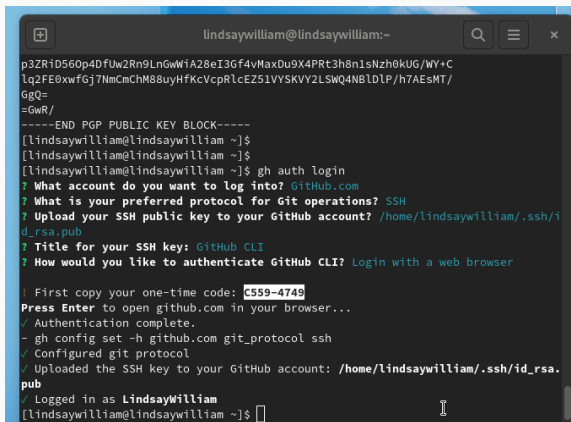


Email address: 1032224491@pfur.ru
Key ID: 1FFBD9EC79BED531
Subkeys: 5DDAF0B33C3E9541
Added on Feb 16, 2023

Delete

Рис. 2: GPG ключ

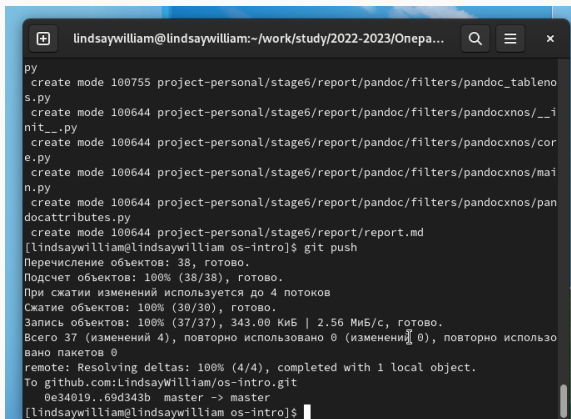
Настройка gh



```
lindsaywilliam@lindsaywilliam:~  
p3ZRiD560p4DfUw2Rn9LnGwWiA28eI3Gf4vMaxDu9X4PRt3h8n1sNzh0kUG/WY+C  
lq2FE0xwFgJ7NmCmChM88uyHfKcVcpRlcEZ51VYSKVY2LSWQ4NB1DLP/h7AEsMT/  
GgQ=  
=GwR/  
-----END PGP PUBLIC KEY BLOCK-----  
[lindsaywilliam@lindsaywilliam ~]$  
[lindsaywilliam@lindsaywilliam ~]$  
[lindsaywilliam@lindsaywilliam ~]$ 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/lindsaywilliam/.ssh/i  
d_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: C559-4749  
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/lindsaywilliam/.ssh/id_rsa.  
pub  
✓ Logged in as LindsayWilliam  
[lindsaywilliam@lindsaywilliam ~]$
```

Рис. 3: Связь репозитория с аккаунтом

Подготовка репозитория

A terminal window with a dark background and light text. The title bar shows the user 'lindsaywilliam' and the path '~/work/study/2022-2023/Onepa...'. The terminal displays the output of a 'git push' command, showing the creation of several files and the successful push of 37 objects to the 'os-intro' branch on GitHub.

```
lindsaywilliam@lindsaywilliam:~/work/study/2022-2023/Onepa...
py
  create mode 100755 project-personal/stage6/report/pandoc/filters/pandoc_tableno
s.py
  create mode 100644 project-personal/stage6/report/pandoc/filters/pandocxnos/__i
nit__.py
  create mode 100644 project-personal/stage6/report/pandoc/filters/pandocxnos/cor
e.py
  create mode 100644 project-personal/stage6/report/pandoc/filters/pandocxnos/mai
n.py
  create mode 100644 project-personal/stage6/report/pandoc/filters/pandocxnos/pan
docattributes.py
  create mode 100644 project-personal/stage6/report/report.md
[lindsaywilliam@lindsaywilliam os-intro]$ git push
Перечисление объектов: 38, готово.
Подсчет объектов: 100% (38/38), готово.
При сжатии изменений используется до 4 потоков
Сжатие объектов: 100% (30/30), готово.
Запись объектов: 100% (37/37), 343.00 КиБ | 2.56 МиБ/с, готово.
Всего 37 (изменений 4), повторно использовано 0 (изменений 0), повторно использо
вано пакетов 0
remote: Resolving deltas: 100% (4/4), completed with 1 local object.
To github.com:LindsayWilliam/os-intro.git
   0e34019..69d343b  master -> master
[lindsaywilliam@lindsaywilliam os-intro]$
```

Рис. 4: Подготовка репозитория

Выводы по проделанной работе

Мы приобрели практические навыки работы с сервисом github.