

Управление версиями

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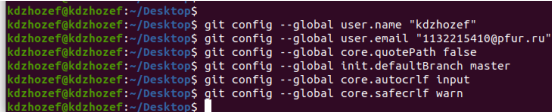
Цели и задачи работы

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

A terminal window with a dark purple background and light green text. It shows a series of git configuration commands being executed in a shell. The prompt is 'kdzhofef@kdzhofef:~/Desktop\$'. The commands are: 'git config --global user.name "kdzhofef"', 'git config --global user.email "1132215410@pfur.ru"', 'git config --global core.quotePath false', 'git config --global init.defaultBranch master', 'git config --global core.autocrlf input', and 'git config --global core.safecrlf warn'. The cursor is at the end of the last command.

```
kdzhofef@kdzhofef:~/Desktop$  
kdzhofef@kdzhofef:~/Desktop$ git config --global user.name "kdzhofef"  
kdzhofef@kdzhofef:~/Desktop$ git config --global user.email "1132215410@pfur.ru"  
kdzhofef@kdzhofef:~/Desktop$ git config --global core.quotePath false  
kdzhofef@kdzhofef:~/Desktop$ git config --global init.defaultBranch master  
kdzhofef@kdzhofef:~/Desktop$ git config --global core.autocrlf input  
kdzhofef@kdzhofef:~/Desktop$ git config --global core.safecrlf warn  
kdzhofef@kdzhofef:~/Desktop$
```

Рис. 1: Параметры репозитория

Добавляем GPG ключ в аккаунт


Go to your settings

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: mw/j9RwPm+d0pADLdPso9PasN9ngvDyY1LlvMe1ueBI

Added on Jan 8, 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: 1132215410@pfur.ru

Key ID: 7B8EF281CD0951076

Subkeys: 8751AA4A04F386EC

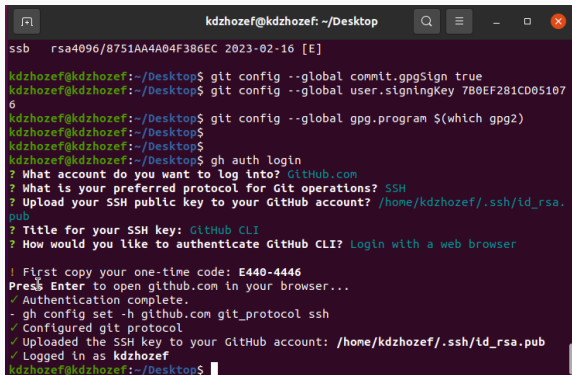
Added on Feb 16, 2023

Delete

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

Рис. 2: GPG ключ

Настройка gh



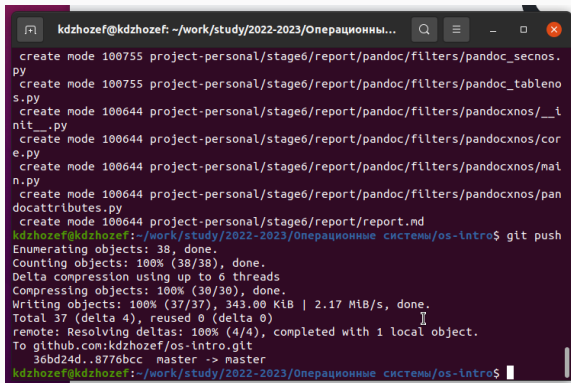
```
kdzhofef@kdzhofef: ~/Desktop
ssh rsa4096/8751AA4A04F386EC 2023-02-16 [E]

kdzhofef@kdzhofef:~/Desktop$ git config --global commit.gpgSign true
kdzhofef@kdzhofef:~/Desktop$ git config --global user.signingKey 7B0EF281CD051076
kdzhofef@kdzhofef:~/Desktop$ git config --global gpg.program $(which gpg2)
kdzhofef@kdzhofef:~/Desktop$
kdzhofef@kdzhofef:~/Desktop$ 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/kdzhofef/.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: E440-4446
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/kdzhofef/.ssh/id_rsa.pub
✓ Logged in as kdzhofef
kdzhofef@kdzhofef:~/Desktop$
```

Рис. 3: Связь репозитория с аккаунтом

Подготовка репозитория

A terminal window with a dark background and light-colored text. The window title is 'kdzhofef@kdzhofef: ~/work/study/2022-2023/Операционны...'. The terminal shows a series of 'create mode' messages for various files in the 'project-personal/stage6/report/pandoc/filters/pandocxnos/' directory. After creating 'report.md', the user runs 'git push'. The output shows the progress of pushing the commit to the remote repository, including object enumeration, compression, and resolution of deltas. The final status shows the commit '36bd24d..8776bcc' pushed to the 'master' branch.

```
kdzhofef@kdzhofef: ~/work/study/2022-2023/Операционны...
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
kdzhofef@kdzhofef:~/work/study/2022-2023/Операционные системы/os-intro$ git push
Enumerating objects: 38, done.
Counting objects: 100% (38/38), done.
Delta compression using up to 6 threads
Compressing objects: 100% (30/30), done.
Writing objects: 100% (37/37), 343.00 KiB | 2.17 MiB/s, done.
Total 37 (delta 4), reused 0 (delta 0)
remote: Resolving deltas: 100% (4/4), completed with 1 local object.
To github.com:kdzhofef/os-intro.git
   36bd24d..8776bcc master -> master
kdzhofef@kdzhofef:~/work/study/2022-2023/Операционные системы/os-intro$
```

Рис. 4: Подготовка репозитория

Выводы по проделанной работе

Мы приобрели практические навыки работы с сервисом github.