

Управление версиями

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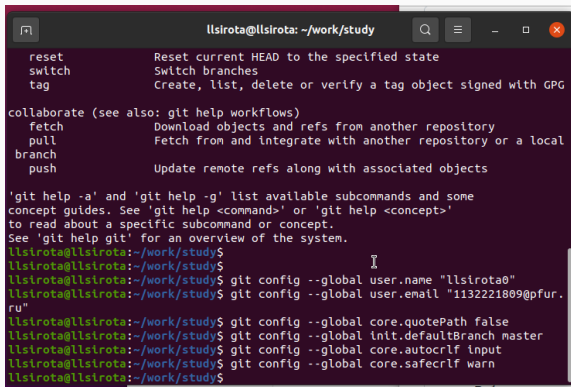
Цели и задачи работы

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



```
llsirota@llsirota: ~/work/study
reset          Reset current HEAD to the specified state
switch         Switch branches
tag            Create, list, delete or verify a tag object signed with GPG

collaborate (see also: git help workflows)
fetch         Download objects and refs from another repository
pull          Fetch from and integrate with another repository or a local
branch
push          Update remote refs along with associated objects

'git help -a' and 'git help -g' list available subcommands and some
concept guides. See 'git help <command>' or 'git help <concept>'
to read about a specific subcommand or concept.
See 'git help git' for an overview of the system.
llsirota@llsirota:~/work/study$
llsirota@llsirota:~/work/study$
llsirota@llsirota:~/work/study$ git config --global user.name "llsirota0"
llsirota@llsirota:~/work/study$ git config --global user.email "1132221809@pfur.
ru"
llsirota@llsirota:~/work/study$ git config --global core.quotePath false
llsirota@llsirota:~/work/study$ git config --global init.defaultBranch master
llsirota@llsirota:~/work/study$ git config --global core.autocrlf input
llsirota@llsirota:~/work/study$ git config --global core.safecrlf warn
llsirota@llsirota:~/work/study$
```

Рис. 1: Параметры репозитория

Добавляем GPG ключ в аккаунт


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


SSH

SHA256:hQMGBSD00FzcCuT/1rV5X5EoR7YRv1d9trFRRFNoKqI

Added on Feb 10, 2023

Last used within the last week — 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


GPG

Email address: 1132221809@pfur.ru

Key ID: 997742460604B5FB

Subkeys: 33B916786AE73D90

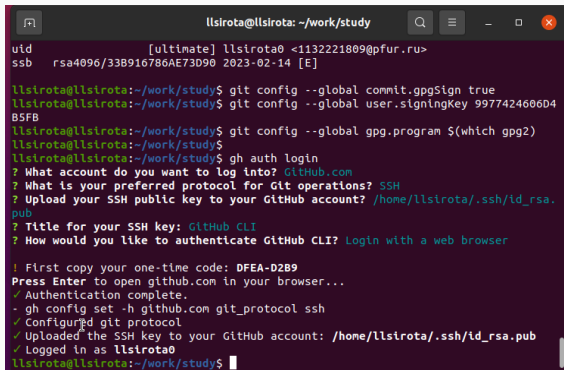
Added on Feb 14, 2023

Delete

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

Рис. 2: GPG ключ

Настройка gh



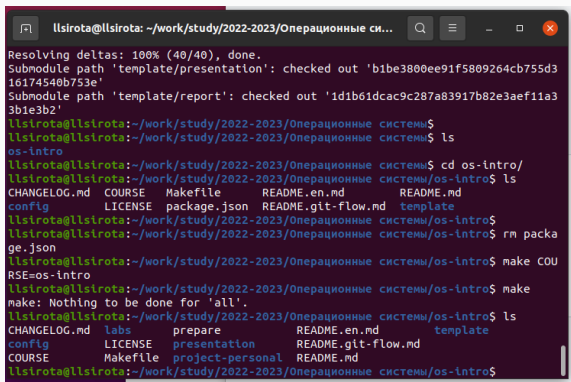
```
llsirota@llsirota: ~/work/study
uid [ultimate] llsirota0 <1132221809@pfur.ru>
ssb rsa4096/33B916786AE73D90 2023-02-14 [E]

llsirota@llsirota:~/work/study$ git config --global commit.gpgSign true
llsirota@llsirota:~/work/study$ git config --global user.signingKey 9977424606D4B5FB
llsirota@llsirota:~/work/study$ git config --global gpg.program $(which gpg2)
llsirota@llsirota:~/work/study$
llsirota@llsirota:~/work/study$ 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/llsirota/.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: DFEA-D2B9
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/llsirota/.ssh/id_rsa.pub
✓ Logged in as llsirota0
llsirota@llsirota:~/work/study$
```

Рис. 3: Связь репозитория с аккаунтом

Подготовка репозитория



```
llsirota@llsirota: ~/work/study/2022-2023/Операционные си...
Resolving deltas: 100% (40/40), done.
Submodule path 'template/presentation': checked out 'b1be3800ee91f5809264cb755d316174540b753e'
Submodule path 'template/report': checked out '1d1b61dcac9c287a83917b82e3aef11a33b1e3b2'
llsirota@llsirota:~/work/study/2022-2023/Операционные системы$
llsirota@llsirota:~/work/study/2022-2023/Операционные системы$ ls
os-intro
llsirota@llsirota:~/work/study/2022-2023/Операционные системы$ cd os-intro/
llsirota@llsirota:~/work/study/2022-2023/Операционные системы/os-intro$ ls
CHANGELOG.md  COURSE  Makefile  README.en.md  README.md
config        LICENSE  package.json  README.git-flow.md  template
llsirota@llsirota:~/work/study/2022-2023/Операционные системы/os-intro$
llsirota@llsirota:~/work/study/2022-2023/Операционные системы/os-intro$ rm packa
ge.json
llsirota@llsirota:~/work/study/2022-2023/Операционные системы/os-intro$ make COU
RSE=os-intro
llsirota@llsirota:~/work/study/2022-2023/Операционные системы/os-intro$ make
make: Nothing to be done for 'all'.
llsirota@llsirota:~/work/study/2022-2023/Операционные системы/os-intro$ ls
CHANGELOG.md  labs  prepare  README.en.md  template
config        LICENSE  presentation  README.git-flow.md
COURSE        Makefile  project-personal  README.md
llsirota@llsirota:~/work/study/2022-2023/Операционные системы/os-intro$
```

Рис. 4: Подготовка репозитория

Выводы по проделанной работе

Мы приобрели практические навыки работы с сервисом github.