

Управление версиями

Дашкина Анита НБИбд-03-23¹

25 апреля, 2022, Москва, Россия

¹Российский Университет Дружбы Народов

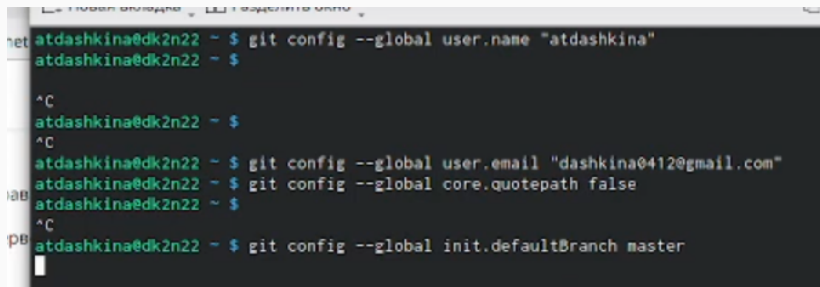
Цели и задачи работы

Цель лабораторной работы

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

Процесс выполнения лабораторной работы

базовые настройки

A terminal window with a dark background and light-colored text. The prompt is 'atdashkina@dk2n22 ~ \$'. The commands and their outputs are as follows:
1. Command: `git config --global user.name "atdashkina"`
Output: `atdashkina@dk2n22 ~ $`
2. Command: `^C`
Output: `atdashkina@dk2n22 ~ $`
3. Command: `^C`
4. Command: `git config --global user.email "dashkina@412@gmail.com"`
Output: `atdashkina@dk2n22 ~ $`
5. Command: `git config --global core.quotepath false`
Output: `atdashkina@dk2n22 ~ $`
6. Command: `^C`
7. Command: `git config --global init.defaultBranch master`
Output: `atdashkina@dk2n22 ~ $`
The cursor is at the end of the last line.

```
atdashkina@dk2n22 ~ $ git config --global user.name "atdashkina"
atdashkina@dk2n22 ~ $
^C
atdashkina@dk2n22 ~ $
^C
atdashkina@dk2n22 ~ $ git config --global user.email "dashkina@412@gmail.com"
atdashkina@dk2n22 ~ $ git config --global core.quotepath false
atdashkina@dk2n22 ~ $
^C
atdashkina@dk2n22 ~ $ git config --global init.defaultBranch master
```

Рис. 1: Базовая настройка git

```

get Enter file in which to save the key (/afs/.dk.sci.pfu.edu.ru/home/a/t/atdashkina/.ssh/id_rsa): /home/a/t/atdashkina/.ssh/id_rsa
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Saving key "/home/a/t/atdashkina/.ssh/id_rsa" failed: No such file or directory
atdashkina@dk2n22 ~$ ssh-keygen -t rsa -b 4096
Generating public/private rsa key pair.
Enter file in which to save the key (/afs/.dk.sci.pfu.edu.ru/home/a/t/atdashkina/.ssh/id_rsa):
/afs/.dk.sci.pfu.edu.ru/home/a/t/atdashkina/.ssh/id_rsa already exists.
Overwrite (y/n)? atdashkina@dk2n22 ~$ ^C
atdashkina@dk2n22 ~$ ssh-keygen -t rsa -b 4096
Generating public/private rsa key pair.
Enter file in which to save the key (/afs/.dk.sci.pfu.edu.ru/home/a/t/atdashkina/.ssh/id_rsa): /home/a/t/atdashkina/.ssh/id_rsa
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Saving key "/home/a/t/atdashkina/.ssh/id_rsa" failed: No such file or directory
atdashkina@dk2n22 ~$ ssh-keygen -t rsa -b 4096
Generating public/private rsa key pair.
Enter file in which to save the key (/afs/.dk.sci.pfu.edu.ru/home/a/t/atdashkina/.ssh/id_rsa): /afs/.dk.sci.pfu.edu.ru/home/a/t/atdashkina/.ssh/id_rsa
/afs/.dk.sci.pfu.edu.ru/home/a/t/atdashkina/.ssh/id_rsa already exists.
Overwrite (y/n)? y
atdashkina@dk2n22 ~$ ssh-keygen -t rsa -b 4096
Generating public/private rsa key pair.
Enter file in which to save the key (/afs/.dk.sci.pfu.edu.ru/home/a/t/atdashkina/.ssh/id_rsa): /afs/.dk.sci.pfu.edu.ru/home/a/t/atdashkina/.ssh/id_rsa
/afs/.dk.sci.pfu.edu.ru/home/a/t/atdashkina/.ssh/id_rsa already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /afs/.dk.sci.pfu.edu.ru/home/a/t/atdashkina/.ssh/id_rsa
Your public key has been saved in /afs/.dk.sci.pfu.edu.ru/home/a/t/atdashkina/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:BERG+U3/nhw8GaebUIE0+bgXDCX0z7cP0fC551tSUA atdashkina@dk2n22
The key's randomart image is:
[+]-----[RSA 4096]-----
|
|      .+ .E
|      o. . .
|      . . . o
|      + . . = B+++
|      S o B+++
|      o o#=#
|      o+X
|      ++O
|      .==
|-----[SHA256]-----
atdashkina@dk2n22 ~$ cat ~/.ssh/id_rsa/pub
cat: /afs/.dk.sci.pfu.edu.ru/home/a/t/atdashkina/: Это катанор
cat: .ssh/id_rsa/pub: Это не катанор
atdashkina@dk2n22 ~$ xclip -l < ~/.ssh/id_ed25519.pub
bash: /afs/.dk.sci.pfu.edu.ru/home/a/t/atdashkina/.ssh/id_ed25519.pub: Нет такого файла или каталога
atdashkina@dk2n22 ~$ cat ~/.ssh/id_rsa/pub

```

Добавляем GPG ключ в аккаунт/2

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



SSH

atdashkina

SHA256:my77/GAu7sMtk5UDABqRwr91fX+BW0EMLxkQE34A0oo

Added on Feb 26, 2024

Never used — Read/write

[Delete](#)

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.



GPG

password

Email address: `adt.kk@yandex.ru`

Key ID: 49509FE486D894A5

Subkeys: BD520E2DA7FC4934

Added on Feb 26, 2024

[Delete](#)

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

```
gpg --full-generate-key  
gpg --list-secret-keys --keyid-format LONG  
gpg --armor --export FB04B63A8F80AA2BDB687EF549509FE486D894A5
```

Рис. 3: Отпечаток приватного ключа


```
git config --global user.signingkey FB04B63A8F80AA2BDB687EF549509FE486D894A5
git config --global commit.gpgsign true
git config --global gpg.program $(which gpg2)
gh auth login
```

Рис. 4: Настройка подписей

```
git config --global user.name "atdashkina1"
git config --global user.email "adt.kk@yandex.ru"
git config --global core.quotepath false
git config --global init.defaultBranch master
git config --global core.autocrlf input
git config --global core.safecrlf warn
gpg --list-secret-keys --keyid-format LON
gpg --list-secret-keys --keyid-format LONG
git config --global user.signingkey 38338CF929560AA91D557A317C4FE67369D1498E
git config --global commit.gpgsign true
git config --global gpg.program $(which gpg2)
gh auth login
mkdir -p ~/work/study/2023-2024/"Операционные системы"
cd ~/work/study/2022-2023/"Операционные системы"
cd ~/work/study/2023-2024/"Операционные системы"
gh repo create study_2023-2024_os-intro --template=yamadharm/course-directory-student-template --public
git clone --recursive git@github.com:atdashkina1/study_2023-2024_os-intro.git
cd os-intro
```

Рис. 5: Настройка подписей

atdashkina1 / study_2023-2024_os-intro

study_2023-2024_os-intro Public

generated from [yamadharma/course-directory-student-template](#)

master 1 Branch 0 Tags

Go to file Add file Code

atdashkina1 feat(main): make course structure		
config	Initial commit	1 hour ago
template	Initial commit	1 hour ago
.gitattributes	Initial commit	1 hour ago
.gitignore	Initial commit	1 hour ago
.gitmodules	Initial commit	1 hour ago
CHANGELOG.md	Initial commit	1 hour ago
COURSE	feat(main): make course structure	1 hour ago
LICENSE	Initial commit	1 hour ago

About

No description, website, or topics provided.

- Readme
- CC-BY-4.0 license
- Activity
- 0 stars
- 1 watching
- 0 forks

Releases

No releases published

[Create a new release](#)

Packages

Рис. 6: Создание репозитория

```

atdashkina@dk1n22 ~ $ cd ~/work/study/2023-2024/"Операционные системы"
atdashkina@dk1n22 ~/work/study/2023-2024/Операционные системы $ cd os-intro
bash: cd: os-intro: Нет такого файла или каталога
atdashkina@dk1n22 ~/work/study/2023-2024/Операционные системы $ ls
study_2023-2024_os-intro
atdashkina@dk1n22 ~/work/study/2023-2024/Операционные системы $ study_2023-2024_os-intro
bash: study_2023-2024_os-intro: команда не найдена
atdashkina@dk1n22 ~/work/study/2023-2024/Операционные системы $ cd study_2023-2024_os-intro
atdashkina@dk1n22 ~/work/study/2023-2024/Операционные системы/study_2023-2024_os-intro $ git add .
atdashkina@dk1n22 ~/work/study/2023-2024/Операционные системы/study_2023-2024_os-intro $ git commit -am 'feat(main
): make course structure'
[master bd43f62] feat(main): make course structure
324 files changed, 89514 insertions(+)
create mode 100644 labs/README.md
create mode 100644 labs/README.ru.md
create mode 100644 labs/lab01/presentation/Makefile
create mode 100644 labs/lab01/presentation/image/kulyabov.jpg
create mode 100644 labs/lab01/presentation/presentation.md
create mode 100644 labs/lab01/report/Makefile
create mode 100644 labs/lab01/report/bib/cite.bib
create mode 100644 labs/lab01/report/image/placeimg_800_600_tech.jpg
create mode 100644 labs/lab01/report/pandoc/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100755 labs/lab01/report/pandoc/filters/pandoc_eqnos.py
create mode 100755 labs/lab01/report/pandoc/filters/pandoc_fignos.py
create mode 100755 labs/lab01/report/pandoc/filters/pandoc_secnos.py
create mode 100755 labs/lab01/report/pandoc/filters/pandoc_tablenos.py
create mode 100644 labs/lab01/report/pandoc/filters/pandocxnos/__init__.py

```

Рис. 7: Настраиваем каталог курса

```

create mode 100644 project-personal/stage5/presentation/presentation.md
create mode 100644 project-personal/stage5/report/Makefile
create mode 100644 project-personal/stage5/report/bib/cite.bib
create mode 100644 project-personal/stage5/report/image/placeimg_800_600_tech.jpg
create mode 100644 project-personal/stage5/report/pandoc/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100755 project-personal/stage5/report/pandoc/filters/pandoc_eqnos.py
create mode 100755 project-personal/stage5/report/pandoc/filters/pandoc_fignos.py
create mode 100755 project-personal/stage5/report/pandoc/filters/pandoc_secnos.py
create mode 100755 project-personal/stage5/report/pandoc/filters/pandoc_tablenos.py
create mode 100644 project-personal/stage5/report/pandoc/filters/pandocxnos/__init__.py
create mode 100644 project-personal/stage5/report/pandoc/filters/pandocxnos/core.py
create mode 100644 project-personal/stage5/report/pandoc/filters/pandocxnos/main.py
create mode 100644 project-personal/stage5/report/pandoc/filters/pandocxnos/pandocattributes.py
create mode 100644 project-personal/stage5/report/report.md
create mode 100644 project-personal/stage6/report/bib/cite.bib
create mode 100644 project-personal/stage6/report/image/placeimg_800_600_tech.jpg
atdashkina@dk1n22 ~/work/study/2023-2024/Операционные системы/study_2023-2024_os-intro $ git push
Перечисление объектов: 35, готово.
Подсчет объектов: 100% (35/35), готово.
При сжатии изменений используется до 6 потоков
Сжатие объектов: 100% (29/29), готово.
Запись объектов: 100% (34/34), 341.73 Киб | 2.69 Миб/с, готово.
Всего 34 (изменений 4), повторно использовано 0 (изменений 0), повторно использовано пакетов 0
remote: Resolving deltas: 100% (4/4), completed with 1 local object.
To github.com:atdashkina1/study_2023-2024_os-intro.git
   a8fff6c..bd43f62  master -> master
atdashkina@dk1n22 ~/work/study/2023-2024/Операционные системы/study_2023-2024_os-intro $

```

Рис. 8: Отправляем наши файлы на сервер

Выводы по проделанной работе

Мы приобрели практические навыки работы с сервисом github.