

Российский университет дружбы народов  
Факультет физико-математических и естественных наук

# Лабораторная работа №2

## Операционные системы

Выполнил студент 1 курса группы НПМбд-01-20 Дарижапов Тимур

- Цель: изучить идеологию и применение средств контроля версий
- Ход работы: 1. Настройка git

```
[tadarizhapov@tadarizhapov ~]$ git config --global user.name "Timur Darizhapov"
[tadarizhapov@tadarizhapov ~]$ git config --global user.email "timaanddar@mail.ru"
[tadarizhapov@tadarizhapov ~]$ git config --global quotepath false
```

- Создаём локальный репозиторий

```
[tadarizhapov@tadarizhapov ~]$ cd
[tadarizhapov@tadarizhapov ~]$ mkdir laboratory
[tadarizhapov@tadarizhapov ~]$ cd laboratory
[tadarizhapov@tadarizhapov laboratory]$ git init
Initialized empty Git repository in /home/tadarizhapov/laboratory/.git/
[tadarizhapov@tadarizhapov laboratory]$ █
```

- Создаём публичные и приватные ключи. Регистрируемся на [git hub.com](https://github.com). Переходим в Settings – SSH keys.
- Вставляем в поле наш публичный ключ с помощью команды `cat ~/.ssh/id_rsa.pub`

```
[tadarizhapov@tadarizhapov laboratory]$ ssh-keygen -C "Timur Darizhapov <timaanddar@mail.ru>"
Generating public/private rsa key pair.
Enter file in which to save the key (/home/tadarizhapov/.ssh/id_rsa): key
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in key.
Your public key has been saved in key.pub.
The key fingerprint is:
SHA256:waWKzD9UgkFbMs3o+54a8hzhDwfXy/A1P6WjleG2oMg Timur Darizhapov <timaanddar@mail.ru>
The key's randomart image is:
+---[RSA 2048]-----+
|      .+=.      |
|      .Bo. o    |
|      .o . =    |
|      o.. + o   |
|      *. = S . o . . |
|      ..0 . + o + = |
|      . +. +   + . X |
|      + o.+ . . = + |
|      +oo E . . . |
+---[SHA256]-----+
```

## SSH keys / Add new

Title

Key

Begins with 'ssh-rsa', 'ecdsa-sha2-nistp256', 'ecdsa-sha2-nistp384', 'ecdsa-sha2-nistp521', or 'ssh-ed25519'



SSH

1

SHA256:N3/mj17NZQ430KIUAxcLs2W5UQ5V87Q4E0f16f4RvBo

Added on 1 May 2021

Never used — Read/write

Delete

- Создаём репозиторий на сайте github.com. Делаем его публичным. Создаём README.md. Печатаем в нём описание. Делаем первый commit.

Owner \*      Repository name \*

 h3avydirty soul ▾ /    tadarizhapov    

Great repository names are short and memorable. Need inspiration? How about **redesigned-octo-engine**?

Description (optional)

---

☒  **Public**  
Anyone on the internet can see this repository. You choose who can commit.

☐  **Private**  
You choose who can see and commit to this repository.

```
[tadarizhapov@tadarizhapov laboratory]$ echo "#Лабораторные работы" >> README.md
[tadarizhapov@tadarizhapov laboratory]$ git add README.md
[tadarizhapov@tadarizhapov laboratory]$ git commit -m "my first commit"
[master (root-commit) cb69ee0] my first commit
 1 file changed, 1 insertion(+)
 create mode 100644 README.md
[tadarizhapov@tadarizhapov laboratory]$ git status
# On branch master
# Untracked files:
#   (use "git add <file>..." to include in what will be committed)
#
#       key
#       key.pub
nothing added to commit but untracked files present (use "git add" to track)
```

- Отправляем на github.com.

```
[tadarizhapov@tadarizhapov laboratory]$ git push -u origin master
Username for 'https://github.com': h3avydirty soul
Password for 'https://h3avydirty soul@github.com':
Counting objects: 3, done.
Writing objects: 100% (3/3), 252 bytes | 0 bytes/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:      https://github.com/h3avydirty soul/tadarizhapov/pull/new/master
remote:
To https://github.com/h3avydirty soul/tadarizhapov.git
 * [new branch]      master -> master
Branch master set up to track remote branch master from origin.
```



**h3avydirty soul** first commit

2bce92c 3 minutes ago 🕒 2 commits



README.md

first commit

3 minutes ago

README.md



#Лабораторные работы

# Лабраторные работы

- Добавляем файл лицензии и шаблон игнорируемых файлов.
- Добавляем два новых файла, совершаем commit и отправляем на сайт.

```
[tadarizhapov@tadarizhapov laboratory]$ wget https://creativecommons.org/licenses/by/4.0/legalcode.txt
--2021-05-01 10:21:23-- https://creativecommons.org/licenses/by/4.0/legalcode.txt
Распознаётся creativecommons.org (creativecommons.org)... 172.67.34.140, 104.20.151.16, 104.20.150.16, ...
Подключение к creativecommons.org (creativecommons.org)|172.67.34.140|:443... соединение установлено.
HTTP-запрос отправлен. Ожидание ответа... 200 OK
Длина: нет данных [text/plain]
Сохранение в: «legalcode.txt»

[ <=> ] 18 657 --.-K/s за 0s

2021-05-01 10:21:24 (73,6 MB/s) - «legalcode.txt» сохранён [18657]
```

```
[tadarizhapov@tadarizhapov laboratory]$ git push
warning: push.default is unset; its implicit value is changing in
Git 2.0 from 'matching' to 'simple'. To squelch this message
and maintain the current behavior after the default changes, use:

    git config --global push.default matching

To squelch this message and adopt the new behavior now, use:

    git config --global push.default simple

See 'git help config' and search for 'push.default' for further information.
(the 'simple' mode was introduced in Git 1.7.11. Use the similar mode
'current' instead of 'simple' if you sometimes use older versions of Git)

Username for 'https://github.com': h3avydirtysoul
Password for 'https://h3avydirtysoul@github.com':
Counting objects: 7, done.
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 8.19 KiB | 0 bytes/s, done.
Total 6 (delta 0), reused 0 (delta 0)
To https://github.com/h3avydirtysoul/tadarizhapov.git
2bce92c..e5b3ef5 master -> master
```

Спасибо за  
внимание!