

Операционные системы

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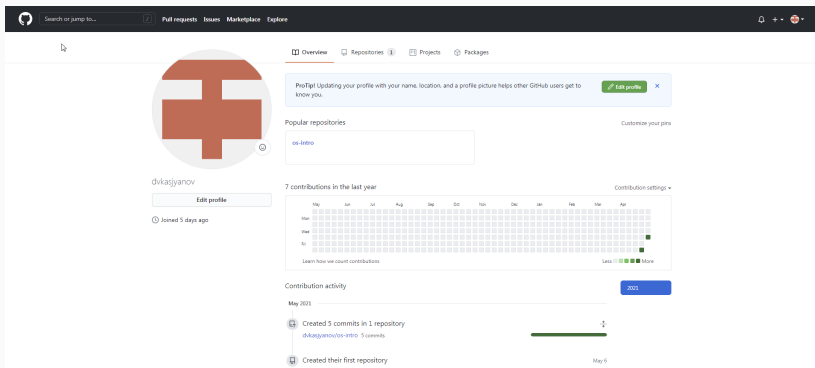
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РУДН, Москва, Россия

Лабораторная работа №2

Изучить идеологию и применение средств контроля версий.

Я создал учетную запись на сайте github, провёл настройку системы git в консоли Linux, сгенерировал пару ключей и загрузил их на сайт. Создал локальный репозиторий через терминал.




Создание учётной записи


```

[dvkasjyanov@dvkasjyanov ~]$ git config --global user.name "dvkasjyanov"
[dvkasjyanov@dvkasjyanov ~]$ git config --global user.email "kasyanoff.daniil@yandex.ru"
[dvkasjyanov@dvkasjyanov ~]$ ssh-keygen -C "dvkasjyanov <kasyanoff.daniil@yandex.ru>"
Generating public/private rsa key pair.
Enter file in which to save the key (/home/dvkasjyanov/.ssh/id_rsa):
/home/dvkasjyanov/.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 /home/dvkasjyanov/.ssh/id_rsa.
Your public key has been saved in /home/dvkasjyanov/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:mRPbpouBMcD0WB8RQuvLrC49XHRaaD3qsRckhWKZIVw dvkasjyanov <kasyanoff.daniil@yandex.ru>
The key's randomart image is:
+---[RSA 2048]-----+
|o+BEo.                |
|+*oo .                |
|o+= .o .              |
|. *.o+.= *            |
|. +++= .S o           |
| o..=+ +              |
| o++o. .              |
|..+ o o .             |
|+. . . .              |
+----[SHA256]-----+
[dvkasjyanov@dvkasjyanov ~]$

```

Генерация ключей

 Search or jump to... Pull requests Issues Marketplace Explore

 dvkasyanov
Your personal account

Account settings

Profile

Account

Appearance New

Account security

Billing & plans

Security log

Security & analysis

Emails

Notifications

SSH and GPG keys

Repositories

Packages

Organizations

Saved replies


Applications

SSH keys

Go to your personal profile

New SSH key

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

 dvkasyanov
94236148f9a4f7c304882b2c1c4809a2b34c0c1a2214
Added on 6 May 2021
Never used — Read/write

Delete

Check out our guide to [generating SSH keys](#) or [troubleshoot common SSH problems](#).

GPG keys

New GPG key

There are no GPG keys associated with your account.

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

Vigilant mode Beta

☐ **Flag unsigned commits as unverified**
This will include any commit attributed to your account but not signed with your GPG or S/MIME key.
Note that this will include your existing unsigned commits.
[Learn about vigilant mode.](#)

Готовые ключи

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Провёл первичную конфигурацию: добавил лицензию, шаблон игнорируемых файлов, скачал шаблон для С.

```
[dvkasjyanov@dvkasjyanov laboratory]$ wget https://creativecommons.org/licenses/by/4.0/legalcode.txt -O
LICENSE
--2021-05-06 22:59:26-- https://creativecommons.org/licenses/by/4.0/legalcode.txt
Распознаётся creativecommons.org (creativecommons.org)... 104.20.150.16, 172.67.34.140, 104.20.151.16,
...
Подключение к creativecommons.org (creativecommons.org)|104.20.150.16|:443... соединение установлено.
HTTP-запрос отправлен. Ожидание ответа... 200 OK
Длина: нет данных [text/plain]
Сохранение в: «LICENSE»

[ <=> ] 18 657 --.-K/s за 0,02s

2021-05-06 22:59:28 (1,04 MB/s) - «LICENSE» сохранён [18657]

[dvkasjyanov@dvkasjyanov laboratory]$ █
```

Добавление лицензии

```
[dvkasjyanov@dvkasjyanov laboratory]$ curl -L -s https://www.gitignore.io/api/c >> .gitignore
```

Шаблон игнорируемых файлов для С

Синхронизировал локальный и удаленный репозиторий.

Инициализировал и настроил git-flow. Отправил все данные на github.

```
[dvkasjyanov@dvkasjyanov laboratory]$ git add .
[dvkasjyanov@dvkasjyanov laboratory]$ git commit -am "my commit"
[master 1b03117] my commit
 2 files changed, 455 insertions(+)
 create mode 100644 .gitignore
 create mode 100644 LICENSE
[dvkasjyanov@dvkasjyanov 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)

Counting objects: 5, done.
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 6.43 KiB | 0 bytes/s, done.
Total 4 (delta 0), reused 0 (delta 0)
To git@github.com:dvkasjyanov/os-intro.git
 740cfe0..1b03117 master -> master
[dvkasjyanov@dvkasjyanov laboratory]$
```

Отправка на github

Убедился в корректности выполненной работы.

The screenshot shows the GitHub interface for the repository 'os-intro' by user 'dvkasyanov'. The top navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The repository name 'os-intro' is displayed, along with 'Unwatch', 'Star', and 'Fork' buttons. A yellow banner indicates that the 'develop' branch had recent pushes 1 minute ago, with a 'Compare & pull request' button. Below this, a table lists the files in the 'release/1.0.0' branch, showing the commit history for each file. The 'README.md' file is highlighted, and its content is displayed below the table. The right sidebar contains sections for 'About', 'Releases', and 'Packages'.

Search or jump to... Pull requests Issues Marketplace Explore

dvkasyanov / os-intro Unwatch 1 Star 0 Fork 0

< Code Issues Pull requests Actions Projects Wiki Security Insights Settings

develop had recent pushes 1 minute ago Compare & pull request

master 2 branches 1 tag Go to file Add file + Code +

File	Commit	Time
glsignore	my commit	10 minutes ago
LICENSE	my commit	10 minutes ago
README.md	first commit	16 minutes ago
VERSION	chore(main): add version	5 minutes ago

README.md

Лабораторные работы

About No description, website, or topics provided. Readme CC-BY-4.0 License

Releases 1 tags Create a new release

Packages No packages published Publish your first package

Проверка

Я изучил идеологию и применение средств контроля версий.

Спасибо за внимание!