#### 0.1 Front matter

## 0.2 Bibliography

bibliography: bib/cite.bib csl: pandoc/csl/gost-r-7-0-5-2008-numeric.csl

### 0.3 Pdf output format

toc: true # Table of contents toc-depth: 2 lof: true # List of figures lot: true # List of tables fontsize: 12pt linestretch: 1.5 papersize: a4 documentclass: scrreprt ## I18n polyglossia polyglossia-lang: name: russian options: - spelling=modern - babelshorthands=true polyglossia-otherlangs: name: english ## I18n babel babel-lang: russian babel-otherlangs: english

git.

2

1

- 1. git 2. SSH
- 3. GPG 4. Git
- 5. GitHub
- 6.

3

3.1

3.2 git

email , (2).

utf-8 git ( . 3).

```
[root@eakiseleva ~]# dnf -y install git
Обновление и загрузка репозиториев:
Fedora 41 - x86_64 - Updates
Fedora 41 - x86_64 - Updates
                                 100% | 32.9 KiB/s | 25.9 KiB | 00m01s
100% | 2.6 MiB/s | 2.7 MiB | 00m01s
.
Репозитории загружены.
Пакет "git-2.48.1-1.fc41.x86_64" уже установлен.
Нечего делать.
[root@eakiseleva ~]# dnf -y install gh
Обновление и загрузка репозиториев:
Репозитории загружены.
Пакет
                         Арх. Версия
                                                            Репозиторий
                                                                                Размер
                         x86_64 2.65.0-1.fc41
                                                                              42.6 MiB
                                                           updates
Сводка транзакции:
1 пакета
Общий размер входящих пакетов составляет 10 MiB. Необходимо загрузить 10 MiB.
После этой операции будут использоваться дополнительные 43 MIB (установка 43 MIB, уда
ление 0 В).
[1/1] Total
```

Figure 1: git gh

```
[root@eakiseleva ~]# git config --global user.name "Liza kiseleva"
[root@eakiseleva ~]# git config --global user.email "lk3093398@gmail.com"
```

Figure 2: email



Figure 3: utf-8 git

```
master ( . 4).
                [root@eakiseleva ~]# git config --global init.defaultBranch master
                [root@eakiseleva ~]#
                                  Figure 4:
              autocrlf safecrlf
                                                                         (.5).
                [root@eakiseleva ~]# git config --global core.autocrlf input
               [root@eakiseleva ~]# git config --global core.safecrlf warn [root@eakiseleva ~]#
                           Figure 5:
                                                      autocrlf safecrlf
3.3
                        SSH
                                             rsa ( . 6).
          \operatorname{ssh}
                       4096
                [root@eakiseleva ~]# ssh-keygen -t rsa -b 4096
               Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
                inter passphrase for "/root/.ssh/id_rsa" (empty for no passphrase): Inter same passphrase again: {\mathbb I}
                our identification has been saved in /root/.ssh/id_rsa/
                our public key has been saved in /root/.ssh/id_rsa.pub
                The key fingerprint is:
                SHA256:fPiYn/SRNQueEI51sWlsCcVUS3V9JpOy4r4X0U/zbH8 root@eakiseleva
                The key's randomart image is:
                 ---[RSA 4096]----+
                          .++.00+|
                          00*+.=
                        S.+...o+o|
                         =.o.= o=|
                  --[SHA256]----+
                root@eakiseleva ~]#
                            Figure 6:
                                                  ssh
                                                                        rsa
          ssh
                          ed25519 ( . 7).
                         GPG
3.4
            GPG,
                                         RSA and RSA,
                                                                                        : 4096,
                                                                                ( . 8).
```

Figure 7: ssh ed25519

```
[root@eakiseleva ~]# gpg --list-secret-keys --keyid-format LONG
gpg: проверка таблицы доверия
gpg: marginals needed: 3 completes needed: 1 trust model: pgp
gpg: глубина: 0 достоверных: 1 подписанных: 0 доверие: 0-, 0q, 0n, 0m, 0f, 1u
[keyboxd]
------
sec rsa4096/51C58C4712275F18 2025-03-06 [SC]
2374A25E5C2BD28432BC06C851C58C4712275F18
sid [ абсолютно ] Liza kiseleva <lk3093398@gmail.com>
ssb rsa4096/A27F39CBC58C3614 2025-03-06 [E]
```

Figure 8:

```
3.5
                                     GPG Github
        ( . 9).
                         oot@eakiseleva ~]# gpg --list-secret-keys --keyid-format LONG
                           _geakiseleva ¬]⊭ уру
проверка таблицы доверия
marginals needed: 3 completes needed: 1 trust model: pgp
_____пубина: 0 достоверных: 1 подписанных: 0 доверие: 0-, 0q, 0n, 0m, 0f, 1u
                             rsa4096/51C58C4712275F18 2025-03-06 [SC]
                            13374A25E5C2BD28432BC06C651C5BC4712275F18
[ абсолютно ] Liza kiseleva <1k3093398@gmail.com>
rsa4096/A27F39CBC58C3614 2025-03-06 [E]
                                                    Figure 9:
                                                                                               (...10).
             "New GPG key"
                          Add new GPG key
                           Title
                           Key
                             ----BEGIN PGP PUBLIC KEY BLOCK----
                             mQINBGfJnX0BEACjs4W674cg30yGmcQWPqdTGVjM0uh8dDG8zTm0XehKcq7MIP
                             <u>AILb+gPEw+BPpmiYnp2KsOLqddwX3bO1zDOXV+JGttnr6ZbEKxbsGRFIU4hSGFH4</u>
                             ElWM5GaM14nciPmTwX33LpU8MDJ+xSgkREDwyIIro6oChuCh34DXyrvokoJ+aE1p
RAHyvfHNWHPkYudvnSAZ+6d3tvWxacExG2fdZG2sITg0nrVatKl2J/5F3e4NFuje
                             uKMu7aWhysrNIjIXrfulembSUaQwU+csDzr0lEXfFBLpF2yLM9vh5E8lW12Y117w
                             Vw2v8zTazS9VwqgpKXAIdzYfWKtE49NsQSizFMpFz3hweFFD9K9MvHmAVXWa2qD
                                                                                     PGP
                                           Figure 10:
3.6
                                      Git
                                                    git:
                                                                                           email,
                                                                                                                   git
                                    . 11).
                      [eakiseleval@eakiseleva ~]$ git config --global user.signingkey 3AE07A5AACEFF106
[eakiseleval@eakiseleva ~]$ git config --global commit.gpgsign true
[eakiseleval@eakiseleva ~]$ git config --global gpg.program $(wich gpg2)
bash: wich: команда не найдена
```

5

Git

Figure 11:

# $\mathbf{3.7}$ $\mathbf{gh}$ $\mathbf{gh}$ , $\mathbf{gh}$ , $\mathbf{gh}$

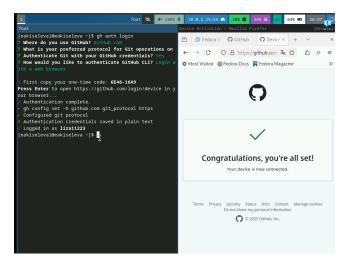


Figure 12: gh

### 3.8

 $\begin{array}{ccc} \operatorname{mkdir} & -\mathrm{p}, \\ \operatorname{cd} & \text{``} & \text{''}. \end{array}$ 

gh repo create study \_2022-2023\_os-intro –template yamadharma/course-directory-student-trm plate –public,  $\phantom{a}$  .

 $\begin{array}{ccc} & & & & & \\ & & & \\ \mathrm{gh} & & & \mathrm{https}~(~.~13). & & & \end{array}$ 

[eakiseleval@eakiseleva ~]s mkolr -p ~/work/study/2024-2025/ "Операционные системы"
[eakiseleval@eakiseleva ~]s cd ~/work/study/2024-2025/ "Операционные системы"
[eakiseleval@eakiseleva Oперационные системы]s dp repo create study\_2024-2025\_os-intro --tem
plate-yama
dharma/course-directory-student-template --public
/ Created repository lizal1223/study\_2024-2025\_os-intro on GitHub
https://github.com/lizal1223/study\_2024-2025\_os-intro

Figure 13:

cd, ls. makefile ( . 14). ( ) git add git commit ( . 15).

Figure 14:

```
[eakiseleval@eakiseleva study_2024-2025_os-intro]$ git add .
[cakiseleval@eakiseleva study_2024-2025_os-intro]$ git commit -am 'feat(main): make course structure'
[master 3eaab6d] feat(main): make course structure
2 files changed, 1 insertion(+), 14 deletions(-)
delete mode 100644 package.json
[cakiseleval@eakiseleva study_2024-2025_os-intro]$ git push
lepeчисление объектов: 5, готово.
logcчег объектов: 100% (5/5), готово.
logcчег объектов: 100% (5/5), готово.
logcчег объектов: 100% (3/3), 949 байтов | 949.00 KuБ/c, готово.
logcuer of the strong to the strong logcuer of the strong logcu
```

Figure 15:

```
4

git.

(VCS) -

(VC
```

4. 5. 6. 7. : git init : git pull : git push : git status : git  $\operatorname{diff}$ : git add : git add ):  ${\rm git}\ {\rm rm}$ : git commit -am ' : git commit : git checkout -b : git checkout : git merge : git push origin -no-ff : git branch -d : git branch -D : git push origin : \_\_ 8. git push -all 9. 10. .gitignore

URL: https://esystem.rudn.ru/mod/page/view.php?id=970819

№ 2 [

1.