

Лабораторная работа № 4

Цель работы

- Получение навыков правильной работы с репозиториями git.

Ход работы

Установка gitflow

```
root@nukhova:~/arch-pc# sudo dnf copr enable elegos/gitflow
https://copr.fedorainfracloud.org/api_3/rpmrepo/e 100% | 1.0 KiB/s | 558.0 B | 00m01s
Enabling a Copr repository. Please note that this repository is not part
of the main distribution, and quality may vary.

The Fedora Project does not exercise any power over the contents of
this repository beyond the rules outlined in the Copr FAQ at
https://docs.pagure.org/copr.copr/user_documentation.html#what-i-can-build-in-copr>,
and packages are not held to any quality or security level.

Please do not file bug reports about these packages in Fedora
Bugzilla. In case of problems, contact the owner of this repository.
Is this ok [y/N]: y
root@nukhova:~/arch-pc# sudo dnf install gitflow
Updating and loading repositories:
Copr repo for gitflow owned by elegos 100% | 4.9 KiB/s | 2.4 KiB | 00m00s
Repositories loaded.

Package Arch Version Repository Size
Installing:
gitflow x86_64 1.12.3-1.fc34 copr:copr.fedorainf 261.7 KiB

Transaction Summary:
Installing: 1 package

Total size of inbound packages is 57 KiB. Need to download 57 KiB.
After this operation, 262 KiB extra will be used (install 262 KiB, remove 0 B).
Is this ok [y/N]:
```

```
root@nukhova:~/arch-pc# mkdir git-extended
root@nukhova:~/arch-pc# cd git-extended
root@nukhova:~/arch-pc/git-extended# git init
Initialized empty Git repository in /root/arch-pc/git-extended/.git/
root@nukhova:~/arch-pc/git-extended# git status
On branch main

No commits yet

nothing to commit (create/copy files and use "git add" to track)
root@nukhova:~/arch-pc/git-extended# echo "git extended" > README.md
root@nukhova:~/arch-pc/git-extended# git add README.md
root@nukhova:~/arch-pc/git-extended# git commit -m "first comm"
[main (root-commit) f65343d] first comm
 1 file changed, 1 insertion(+)
 create mode 100644 README.md
root@nukhova:~/arch-pc/git-extended# git push -u origin main
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
root@nukhova:~/arch-pc/git-extended# git push -u origin master
```

Создание git extended

```
root@nukhova:~/arch-pc/git-extended# git branch -a
* main
root@nukhova:~/arch-pc/git-extended# git remote remove origin
error: No such remote: 'origin'
root@nukhova:~/arch-pc/git-extended# git remote add origin https://github.com/winterwntend/
git-extended.git
root@nukhova:~/arch-pc/git-extended# git add .
root@nukhova:~/arch-pc/git-extended# git commit -m "com inital"
On branch main
nothing to commit, working tree clean
root@nukhova:~/arch-pc/git-extended# git push -u origin main
Username for 'https://github.com': winterwntend
Password for 'https://winterwntend@github.com':
remote: {"auth_status":"auth_error","body":"Invalid username or token. Password authenticat
ion is not supported for Git operations."}
fatal: Authentication failed for 'https://github.com/winterwntend/git-extended.git/'
root@nukhova:~/arch-pc/git-extended# git push -u origin main
Username for 'https://github.com': winterwntend
Password for 'https://winterwntend@github.com':
remote: {"auth_status":"auth_error","body":"Invalid username or token. Password authenticat
ion is not supported for Git operations."}
fatal: Authentication failed for 'https://github.com/winterwntend/git-extended.git/'
root@nukhova:~/arch-pc/git-extended# git push -u origin main
Username for 'https://github.com': winterwntend
Password for 'https://winterwntend@github.com':
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 229 bytes | 229.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/winterwntend/git-extended.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
root@nukhova:~/arch-pc/git-extended#
```

```
Hooks and filters directory? [/root/arch-pc/git-extended/.git/hooks]
root@nukhova:~/arch-pc/git-extended# git flow feature start feature_branch
Switched to a new branch 'feature/feature_branch'

Summary of actions:
- A new branch 'feature/feature_branch' was created, based on 'develop'
- You are now on branch 'feature/feature_branch'

Now, start committing on your feature. When done, use:

    git flow feature finish feature_branch

root@nukhova:~/arch-pc/git-extended# echo "// New feature functionality" > feature.js
root@nukhova:~/arch-pc/git-extended# git add feature.js
root@nukhova:~/arch-pc/git-extended# git commit -m "feat: add new feature functionality"
[feature/feature_branch b66e278] feat: add new feature functionality
1 file changed, 1 insertion(+)
create mode 100644 feature.js
root@nukhova:~/arch-pc/git-extended# git flow feature finish feature_branch
Switched to branch 'develop'
Updating f65343d..b66e278
Fast-forward
 feature.js | 1 +
1 file changed, 1 insertion(+)
create mode 100644 feature.js
Deleted branch feature/feature_branch (was b66e278).

Summary of actions:
- The feature branch 'feature/feature_branch' was merged into 'develop'
- Feature branch 'feature/feature_branch' has been locally deleted
- You are now on branch 'develop'
```

Разработка новой функциональности

```
Merge made by the 'ort' strategy.
CHANGELOG.md | 3 +++
feature.js   | 1 +
package.json | 14 ++++++++
3 files changed, 18 insertions(+)
create mode 100644 CHANGELOG.md
create mode 100644 feature.js
create mode 100644 package.json
Already on 'main'
Your branch is ahead of 'origin/main' by 3 commits.
(use "git push" to publish your local commits)
fatal: no tag message?
Fatal: Tagging failed. Please run finish again to retry.
root@nukhova:~/arch-pc/git-extended# git push --all
Username for 'https://github.com': winterwntend
Password for 'https://winterwntend@github.com':
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 8 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (8/8), 1.08 KiB | 1.08 MiB/s, done.
Total 8 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/winterwntend/git-extended.git
   f65343d..882d683  main -> main
* [new branch]      develop -> develop
* [new branch]      release/1.2.3 -> release/1.2.3
root@nukhova:~/arch-pc/git-extended# git push --tags
Username for 'https://github.com': winterwntend
Password for 'https://winterwntend@github.com':
Everything up-to-date
```

Вывод: получены навыки работы с репозиторием