#### Операционные системы

Продвинутое использование git

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# <u>Цели и задачи работы</u>



Получение навыков правильной работы с репозиториями git.

### \_\_\_\_

Процесс выполнения лабораторной

работы

#### Node.js

```
[msyagodin@yagodin -]$ pnpm setup
Appended new lines to /home/msyagodin/.bashrc
Next configuration changes were made:
export PNPM_HOME="/home/msyagodin/.local/share/pnpm"
case ":SPATH: " in
  *":SPNPM_HOME: "") ;;
  *) export PATH="SPNPM_HOME:SPATH" ;;
esac
To start using pnpm, run:
[msyagodin@yagodin -]$ source -/.bashrc
[msyagodin@yagodin -]$
```

```
[msyagodin@yagodin −]$ pnpm add -g commitizen
      Update available! IM 9 H - 10 15 0.
      Changelog: https://pnpm.io/v/10.15.0
        To update, run: pnpm self-update
                                           glob@7.2.3, inflight@1.0.6
Packages: #151
```

Рис. 2: установка commitizen

#### standard-changelog

```
[msyagodin@yagodin -]$ pnpm add -g standard-changelog
                                          glob@7.2.3, inflight@1.0.6
Packages: 34
Progress: resolved 185, reused [51, downloaded 34, added 34, done
/home/msyagodin/_local/share/pnpm/global/5:
 standard-changelog 7 1
Done in 5.1s using pnpm v10.9.0
[msyagodin@yagodin -]$
```

Рис. 3: установка standard-changelog

```
"nume": "git-extended"
"version" 1.00"
"description": "Git repo for educational purposes"
"main" "Index: js"
Reywords 11
"repository": "git@github.com:username/git-extended.git"
"MaxYagod maxagodin@gmail.com"
"license" "CC-BY-4.0"
     "committeen"
         "path": "cz-conventional-changelog"
```

Рис. 4: package.json

#### Использование commitizen

```
[msyagodin@yagodin git-extended]$ git add
msyagodin@yagodin git-extended]$
[msyagodin@yagodin git-extended]$ git cz
cz-cli@4.3.1, cz-conventional-changelog@3.3.0
 Select the type of change that you're committing: foot: A new fraction
 What is the scope of this change (e.g. component or file name): (press enter to
Skip) remove and
 Write a short, imperative tense description of the change (max 83 chars):
 Provide a longer description of the change: (press enter to skip)
 Are there any breaking changes?
 Does this change affect any open issues?
main a901162] feat(readme.md): added file
1 file changed, 15 insertions(+)
create mode 189644 package tson
```

Рис. 5: Отправка

```
SETTING THERE IN THE R. S. LEW RICH L. L. LEW STREET, PROPERTY.
below A tidelin 61, required 6 tidelin 62, much required 6 (from 6)
to get through the other Marc Margaret I get bloom the selection again.
minuspetrietynguste git ektonessits []
envapolishingsignite git entersee[E git bearen . set guttaman benedigierdenting develo
mediated when the ter test vertical appropriate
Mayagedic@yagedin git-satembed[8 git Flow release start 1.8.8
begannesses in many metry crelease() 8.8c
memory of actions:
A row broads Trelegant's R.W. was received, based on 'decelog-
The new team on baseon "bedressert # #
SEED OF ACTIONS
Many the service number your
 Start committing fact minute floor in preparity your release
 Minim steer, sur-
    bull flow oplease fings it 8.0
Mayagedin@yagedin git-extended38
```

Рис. 6: Инициализация и загрузка изменений

```
esyagodir@yagodin git-extended]$ git push --all
Перечисление объектов: 5, готово
Подсчет объектов: 100% (5/5), готово
При скатии изменений используется до 6 потоков
Скатие объектов: 180% (4/4), готово.
Запись объектов: 100% (4/4), 1.93 Киб. | 1.93 Миб/с, готово.
Total 4 (delta 8), reused 8 (delta 8), pack-reused 8 (from 8)
To github.com MaxYagod/git-extended.git
  #981162. b82e810 main -> main
* [new branch] release/1.0.0 -> release/1.0.0
wsyagodin@yagodin git-extended]$ git push --tags
Everything up-to-date
[msyagodin@yagodin git-extended]$
[msyagodin@yagodin git-extended]$ gh release create v1.0.0 -F CHANGELOG md
https://github.com/MaxVagod/git-extended/seleases/tag/v1.0.0
msyaqodin@yaqodin.qit-extended]$
```

Рис. 7: Завершение релиза

#### Отправим данные на github

```
wavegodin@vegodin git-extended|$ git flow feature start feature starts
Representations has honeye servey of nature/feature branch-
Commany of actions
 A new hearth 'Yeaturn/Testure_hearth' was created, based on 'develop'
 You are now on branch "featurer feature figurett"
Now, start committing on your feature. When done, use!
Intropodin@vagodin git-extended|$ git flow feature start feature nounch
Fatal: Stanch 'feature/feature_brunch' already melata. Pick swither name
Improprintly agotto adt-extended($ pit flow feature finish feature bosch
INDEX.WHATECH HAS BETTEY +GENTLED+
The metric commencement -congin/develop-
Ver skrysnami.
Berks feature/feature branch yganesa (Suna atel162)
Surelly of actions
 The feature branch "feature/feature_branch" was merged into 'sevelop'
 Feature Scarch "feature/feature Scarch" has been locally meleted
 You are now on agunch 'develop'
```

Рис. 8: Отправка

```
msyagodin@yagodin git-extended]% git push --all
Перечисление объектов: 6, готово.
Подсчет объектов: 100% (6/6), готово
Три скатии изменений используется до 6 потоков
CHATHE OGNECTOR: 100% (4/4), FOTORO
Sanisco ofisestrus: 100% (4/4), 1.14 MaG | 1.14 MaG/c, roroeo
Total 4 (delta 1), reused # (delta #), pack-reused # (from #)
penote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github com: MaxVagod/git-extended git
  #901162 2def722 develop -> develop
msyagodin@yagodin git-extended]$ git push -- tags
verything up-to-date
msyagodin@yagodin git-extended]$
msyagodin@yagodin git extended)$ gh release create v1.2.1 -F CHANGELOG md
https://github.com/MaxYagod/git-extended/zwleases/tag/vi.2.3
Rsyagodin@yagndin git-extended[$
```

Рис. 10: Завершение релиза

## Выводы по проделанной работе



Мы приобрели практические навыки использования git