

Структура научной презентации

Простейший шаблон

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Информация

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Задание

Выполнить работу для тестового репозитория, Преобразовать рабочий репозиторий в репозиторий с git-flow и conventional commits.

Выполнение лабораторной работы

Шаг 1

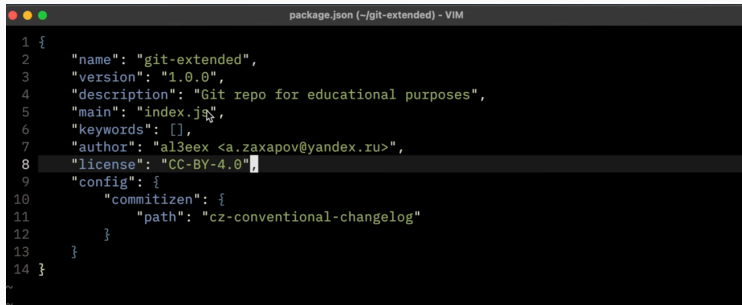
Продемонстрировал установку node, pnpm, git-flow, создал репозиторий git-extended и сделал первый коммит.

```
~/git-extended
~
apzakharov > brew list | list
zsh: command not found: list
^C
~
apzakharov > brew list | less
~
apzakharov > less .zshrc
~
apzakharov > pnpm add -g commitizen standard-changelog
Packages: +209
+-----+
Progress: resolved 209, reused 208, downloaded 1, added 209, done

/Users/user/Library/pnpm/global/5:
+ commitizen
+ standard-changelog

Done in 15.8s
~
apzakharov > gh repo create git-extended --public
✓ Created repository al3eex/git-extended on GitHub
  https://github.com/al3eex/git-extended
~
apzakharov > git clone git@github.com:al3eex/git-extended.git
Cloning into 'git-extended'...
```

Редактирование package.json

A screenshot of a VIM text editor window. The title bar at the top reads "package.json (~/.git-extended) - VIM". The editor shows a JSON file with the following content:

```
1 {  
2   "name": "git-extended",  
3   "version": "1.0.0",  
4   "description": "Git repo for educational purposes",  
5   "main": "index.js",  
6   "keywords": [],  
7   "author": "al3eex <a.zaxapov@yandex.ru>",  
8   "license": "CC-BY-4.0",  
9   "config": {  
10     "commitizen": {  
11       "path": "cz-conventional-changelog"  
12     }  
13   }  
14 }
```

 The cursor is positioned at the end of line 8, after the comma following "CC-BY-4.0".

Рис. 2: Редактирование package.json

Создал релиз версии 1.0.0 с помощью git flow.

```
~/git-extended
apzakharov > git flow release finish 1.0.0
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
Merge made by the 'ort' strategy.
  CHANGELOG.md | 4 ++++
  1 file changed, 4 insertions(+)
  create mode 100644 CHANGELOG.md
Switched to branch 'develop'
Your branch is up to date with 'origin/develop'.
Merge made by the 'ort' strategy.
  CHANGELOG.md | 4 ++++
  1 file changed, 4 insertions(+)
  create mode 100644 CHANGELOG.md
Deleted branch release/1.0.0 (was 15dca47).

Summary of actions:
- Latest objects have been fetched from 'origin'
- Release branch has been merged into 'main'
- The release was tagged '1.0.0'
- Release branch has been back-merged into 'develop'
- Release branch 'release/1.0.0' has been deleted
```

Рис. 3: первый релиз 1.0.0

Создал feature-branch с помощью git flow и сделал merge в develop ветку.

```
~/git-extended
apzakharov > 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'

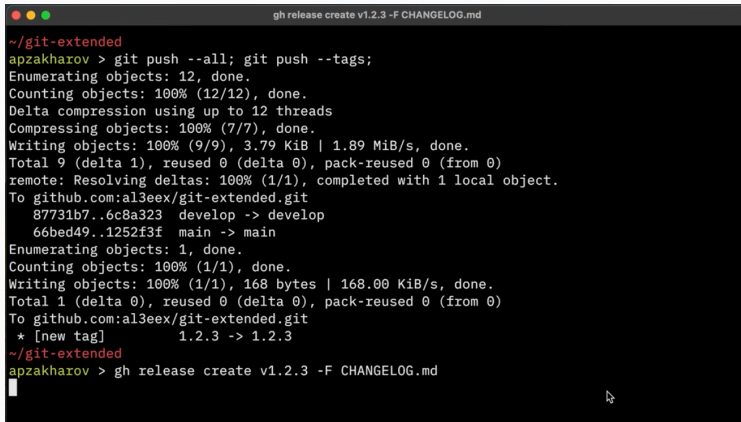
Now, start committing on your feature. When done, use:

    git flow feature finish feature_branch

~/git-extended
```

Рис. 4: feature-branch и merge в develop

Создал релиз версии 1.2.3 с помощью git flow.

A terminal window with a dark background and light-colored text. The title bar at the top reads "gh release create v1.2.3 -F CHANGELOG.md". The terminal shows the execution of "git push --all; git push --tags;" followed by various progress messages from Git, including object enumeration, counting, delta compression, and writing. It then shows the creation of a new tag "1.2.3" and the execution of "gh release create v1.2.3 -F CHANGELOG.md". The prompt is "~/.git-extended" and the user is "apzakharov".

```
~/git-extended
apzakharov > git push --all; git push --tags;
Enumerating objects: 12, done.
Counting objects: 100% (12/12), done.
Delta compression using up to 12 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (9/9), 3.79 KiB | 1.89 MiB/s, done.
Total 9 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:al3eex/git-extended.git
   87731b7..6c8a323  develop -> develop
   66bed49..1252f3f  main -> main
Enumerating objects: 1, done.
Counting objects: 100% (1/1), done.
Writing objects: 100% (1/1), 168 bytes | 168.00 KiB/s, done.
Total 1 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To github.com:al3eex/git-extended.git
 * [new tag]          1.2.3 -> 1.2.3
~/git-extended
apzakharov > gh release create v1.2.3 -F CHANGELOG.md
```

Рис. 5: первый релиз 1.2.3

Выводы

Во время выполнения лабораторной работы я углубил свои знания экосистемы git и научился продвинутому пользованию релизами и ветками разработки.