

Операционные системы

Отчёт по 1 этапу проекта

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Цели и задачи

Подготовить репозиторий на основе шаблона.

Ознакомиться с генератором сайтов hugo.


Выполнение лабораторной работы

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository](#).

Required fields are marked with an asterisk ().*


Repository template

 HugoBlox/theme-academic-cv ▾

Start your repository with a template repository's contents.

☐ Include all branches
Copy all branches from HugoBlox/theme-academic-cv and not just the default branch.

Owner *

 vadmitrieva ▾

/

Repository name *

✔ blog is available.

Great repository names are short and memorable. Need inspiration? How about [bug-free-guacamole](#) ?

Рис. 1: Создание репозитория из шаблона

Создание локальных репозиториев

```
vadmitrieva@vadmitrieva:~/site$ gh repo create vadmitrieva.github.io --public
✓ Created repository vadmitrieva/vadmitrieva.github.io on GitHub
https://github.com/vadmitrieva/vadmitrieva.github.io
vadmitrieva@vadmitrieva:~/site$ git clone --recursive git@github.com:vadmitrieva/vadmitrieva.github.io.git vadmitrieva.github.io
Клонирование в «vadmitrieva.github.io»...
warning: Похоже, что вы клонировали пустой репозиторий.
vadmitrieva@vadmitrieva:~/site$ git clone --recursive git@github.com:vadmitrieva/blog.git blog
Клонирование в «blog»...
remote: Enumerating objects: 98, done.
remote: Counting objects: 100% (98/98), done.
remote: Compressing objects: 100% (84/84), done.
remote: Total 98 (delta 5), reused 75 (delta 1), pack-reused 0 (from 0)
Получение объектов: 100% (98/98), 4.12 МиБ | 5.85 МиБ/с, готово.
Определение изменений: 100% (5/5), готово.
vadmitrieva@vadmitrieva:~/site$
```

Рис. 2: Создание локальных репозиториев

Инициализация hugo

```
vadmitrieva@vadmitrieva:~/site$ cd blog
vadmitrieva@vadmitrieva:~/site/blog$ hugo
hugo: downloading modules ...
hugo: collected modules in 14551 msStart building sites ...
hugo v0.143.1-0270364a347b2ece97e0321782b21904db515ecc+extended linux/amd64 BuildDate=2025-02-04T08:57:38Z VendorInfo=snap:0.143.1

-----+-----
| EN
-----+-----
Pages           | 66
Paginator pages | 0
Non-page files  | 23
Static files    | 1
Processed images | 85
Aliases         | 18
Cleaned         | 0

Total in 16337 ms
vadmitrieva@vadmitrieva:~/site/blog$ rm -rf public
vadmitrieva@vadmitrieva:~/site/blog$
```

Рис. 3: Инициализация hugo

Подготовка репозитория

```
vadmitrieva@vadmitrieva:~/site/blog$  
vadmitrieva@vadmitrieva:~/site/blog$ cd ..  
vadmitrieva@vadmitrieva:~/site$ cd vadmitrieva.github.io  
vadmitrieva@vadmitrieva:~/site/vadmitrieva.github.io$ git checkout -b main  
Переключились на новую ветку «main»  
vadmitrieva@vadmitrieva:~/site/vadmitrieva.github.io$ touch README.md  
vadmitrieva@vadmitrieva:~/site/vadmitrieva.github.io$ git add .  
vadmitrieva@vadmitrieva:~/site/vadmitrieva.github.io$ git commit -m 'upload'  
[main (корневой коммит) 9a0adf9] upload  
1 file changed, 0 insertions(+), 0 deletions(-)  
create mode 100644 README.md  
vadmitrieva@vadmitrieva:~/site/vadmitrieva.github.io$ git push  
Перечисление объектов: 3, готово.  
Подсчет объектов: 100% (3/3), готово.  
Запись объектов: 100% (3/3), 859 байтов | 859.00 КиБ/с, готово.  
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)  
To github.com:vadmitrieva/vadmitrieva.github.io.git  
* [new branch]      main -> main  
vadmitrieva@vadmitrieva:~/site/vadmitrieva.github.io$
```

Рис. 4: Подготовка репозитория

Подготовка папки public

```
vadmitrieva@vadmitrieva:~/site/vadmitrieva.github.io$ cd ..
vadmitrieva@vadmitrieva:~/site$ cd blog
vadmitrieva@vadmitrieva:~/site/blog$ git submodule add -b main git@github.com:vadmitrieva/vadmitrieva.github.io.git public
Клонирование в «/home/vadmitrieva/site/blog/public»...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
Получение объектов: 100% (3/3), готово.
vadmitrieva@vadmitrieva:~/site/blog$ hugo
Start building sites ...
hugo v0.143.1-0270364a347b2ece97e0321782b21904db515ecc+extended linux/amd64 BuildDate=2025-02-04T08:57:38Z VendorInfo=snap:0.143.1

      | EN
-----+-----
Pages | 66
Paginator pages | 0
Non-page files | 23
Static files | 1
Processed images | 85
Aliases | 18
Cleaned | 0

Total in 267 ms
vadmitrieva@vadmitrieva:~/site/blog$
```

Рис. 5: Подготовка папки public

Развертывание сайта

The screenshot displays a GitHub Actions workflow named "pages build and deployment #2" which has completed successfully. On the left sidebar, the "deploy" job is selected. The main panel shows the logs for the "deploy" job, which succeeded in 10 seconds. The logs detail the steps: "Set up job" (1s) and "Deploy to GitHub Pages" (7s). The "Deploy to GitHub Pages" step uses the "actions/deploy-pages@v4" action to fetch artifact metadata and create a deployment. The deployment payload includes the artifact ID "3321755293", the build version "fc2e02fee5123a976a3c7e024df0b44b97dd7212", and the "oidc_token". The logs confirm that a deployment was created and its status was reported successfully.

pages build and deployment #2

Summary

Jobs

- build
- report-build-status
- deploy

Run details

Usage

Re-run all jobs

...

deploy
succeeded now in 10s

Search logs

> Set up job 1s

▼ Deploy to GitHub Pages 7s

```
1  ▶ Run actions/deploy-pages@v4
9  Fetching artifact metadata for "github-pages" in this workflow run
10 Found 1 artifact(s)
11 Creating Pages deployment with payload:
12 {
13   "artifact_id": 3321755293,
14   "pages_build_version": "fc2e02fee5123a976a3c7e024df0b44b97dd7212",
15   "oidc_token": ""
16 }
17 Created deployment for fc2e02fee5123a976a3c7e024df0b44b97dd7212, ID: fc2e02fee5123a976a3c7e024df0b44b97dd7212
18 Getting Pages deployment status...
19 Reported success!
```

> Complete job 0s

Рис. 6: Развертывание сайта

Выводы

Подготовили репозиторий и установили hugo.