

Отчет по лабораторной работе №1

Операционные системы

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Информация

- Курушин Георгий Романович
- НКАбд-02-2024 № Студенческого билета: 1132246755
- Российский университет дружбы народов
- https://github.com/GRKurushin/study_2024-2025_os-intro

Размещение на Github pages заготовки для персонального сайта.

1. Установить необходимое программное обеспечение.
2. Скачать шаблон темы сайта.
3. Разместить его на хостинге git.
4. Установить параметр для URLs сайта.
5. Разместить заготовку сайта на Github pages.

Выполнение лабораторной работы

1. Установим hugo

```
root
[ 1/18] libsass-0:3.6.6-2.fc41.x86_64 100% | 2.3 MiB/s | 701.7 KiB | 00m00s
[ 2/18] hugo-0:0.126.2-3.fc41.x86_64 100% | 7.9 MiB/s | 29.2 MiB | 00m04s
[ 3/18] golang-0:1.23.6-1.fc41.x86_64 100% | 6.9 MiB/s | 668.9 KiB | 00m00s
[ 4/18] gcc-0:14.2.1-7.fc41.x86_64 100% | 7.8 MiB/s | 36.1 MiB | 00m05s
[ 5/18] golang-src-0:1.23.6-1.fc41.noarch 100% | 10.3 MiB/s | 12.8 MiB | 00m01s
[ 6/18] go-filestore-0:3.6.0-5.fc41.x86_64 100% | 72.3 KiB/s | 9.0 KiB | 00m00s
[ 7/18] libxcrypt-devel-0:4.4.38-6.fc41.x86_64 100% | 361.5 KiB/s | 29.3 KiB | 00m00s
[ 8/18] glibc-devel-0:2.40-21.fc41.x86_64 100% | 4.5 MiB/s | 623.1 KiB | 00m00s
[ 9/18] subversion-0:1.14.5-1.fc41.x86_64 100% | 5.6 MiB/s | 1.0 MiB | 00m00s
[10/18] kernel-headers-0:6.13.3-200.fc41.x86_64 100% | 6.5 MiB/s | 1.6 MiB | 00m00s
[11/18] apr-util-0:1.6.3-21.fc41.x86_64 100% | 1.4 MiB/s | 97.4 KiB | 00m00s
[12/18] subversion-libs-0:1.14.5-1.fc41.x86_64 100% | 8.5 MiB/s | 1.4 MiB | 00m00s
[13/18] golang-bin-0:1.23.6-1.fc41.x86_64 100% | 4.5 MiB/s | 27.5 MiB | 00m06s
[14/18] apr-0:1.7.5-1.fc41.x86_64 100% | 168.9 KiB/s | 128.6 KiB | 00m01s
[15/18] libserf-0:1.3.10-7.fc41.x86_64 100% | 465.9 KiB/s | 56.8 KiB | 00m00s
[16/18] apr-util-ldb-0:1.6.3-21.fc41.x86_64 100% | 105.8 KiB/s | 14.5 KiB | 00m00s
[17/18] mercurial-0:6.8.2-1.fc41.x86_64 100% | 9.8 MiB/s | 6.5 MiB | 00m01s
[18/18] apr-util-openssl-0:1.6.3-21.fc41.x86_64 100% | 92.6 KiB/s | 16.2 KiB | 00m00s
-----
[18/18] Total 100% | 15.9 MiB/s | 118.3 MiB | 00m07s
Выполнение транзакции
[ 1/20] Проверить файлы пакета 100% | 55.0 B/s | 18.0 B | 00m00s 00m00s
[ 2/20] Подготовить транзакцию 100% | 31.0 B/s | 18.0 B | 00m01s 00m00s
[ 3/20] Установка apr-0:1.7.5-1.fc41.x86_64 100% | 6.3 MiB/s | 304.1 KiB | 00m00s
[ 4/20] Установка apr-util-0:1.6.3-21.fc41.x86_64 100% | 10.3 MiB/s | 222.0 KiB | 00m00s
[ 5/20] Установка libserf-0:1.3.10-7.fc41.x86_64 100% | 6.9 MiB/s | 135.0 KiB | 00m00s
[ 6/20] Установка subversion-libs-0:1.14.5-1.fc41.x86_64 100% | 49.8 MiB/s | 4.4 MiB | 00m00s
[ 7/20] Установка kernel-headers-0:6.13.3-200.fc41.x86_64 100% | 5.7 MiB/s | 6.6 MiB | 00m01s
[ 8/20] Установка libxcrypt-devel-0:4.4.38-6.fc41.x86_64 100% | 827.0 KiB/s | 33.1 KiB | 00m00s
[ 9/20] Установка glibc-devel-0:2.40-21.fc41.x86_64 100% | 4.4 MiB/s | 2.3 MiB | 00m01s
[10/20] Установка gcc-0:14.2.1-7.fc41.x86_64 100% | 131.6 MiB/s | 103.4 MiB | 00m01s
[11/20] Установка go-filestore-0:3.6.0-5.fc41.x86_64 100% | 14.7 KiB/s | 392.0 B | 00m00s
[12/20] Установка golang-src-0:1.23.6-1.fc41.x86_64 100% | 10.5 MiB/s | 77.2 MiB | 00m07s
[13/20] Установка golang-0:1.23.6-1.fc41.x86_64 100% | 97.1 MiB/s | 8.9 MiB | 00m00s
[14/20] Установка golang-bin-0:1.23.6-1.fc41.x86_64 100% | 238.8 MiB/s | 113.9 MiB | 00m00s
[15/20] Установка libsass-0:3.6.6-2.fc41.x86_64 100% | 50.1 MiB/s | 2.2 MiB | 00m00s
[16/20] Установка hugo-0:0.126.2-3.fc41.x86_64 100% | 39.0 MiB/s | 83.3 MiB | 00m02s
[17/20] Установка subversion-0:1.14.5-1.fc41.x86_64 100% | 28.1 MiB/s | 5.1 MiB | 00m00s
[18/20] Установка apr-util-ldb-0:1.6.3-21.fc41.x86_64 100% | 698.2 KiB/s | 16.1 KiB | 00m00s
[19/20] Установка apr-util-openssl-0:1.6.3-21.fc41.x86_64 100% | 1.0 MiB/s | 24.4 KiB | 00m00s
[20/20] Установка mercurial-0:6.8.2-1.fc41.x86_64 100% | 8.6 MiB/s | 31.1 MiB | 00m01s
Завершено!
gkuzushin@gkuzushin:~/work/Personal Site/Personal Site$ hugo
[0] 21:03:20
gkuzushin 21:03 06-map-20
```

Рис. 1: Установка hugo

2. Проверяем корректность установки, узнав версию hugo

```
fast
[ 4/18] gcc-0:14.2.1-7.fc41.x86_64 100% | 7.8 MiB/s | 36.1 MiB | 00m05s
[ 5/18] golang-src-0:1.23.6-1.fc41.noarch 100% | 10.3 MiB/s | 12.8 MiB | 00m01s
[ 6/18] go-filesystem-0:3.6.0-5.fc41.x86_64 100% | 72.3 KiB/s | 9.0 KiB | 00m00s
[ 7/18] libxcrypt-devel-0:4.4.38-6.fc41.x86_64 100% | 361.5 KiB/s | 29.3 KiB | 00m00s
[ 8/18] glibc-devel-0:2.40-21.fc41.x86_64 100% | 4.5 MiB/s | 623.1 KiB | 00m00s
[ 9/18] subversion-0:1.14.5-1.fc41.x86_64 100% | 5.6 MiB/s | 1.0 MiB | 00m00s
[10/18] kernel-headers-0:6.13.3-200.fc41.x86_64 100% | 6.5 MiB/s | 1.6 MiB | 00m00s
[11/18] apr-util-0:1.6.3-21.fc41.x86_64 100% | 1.4 MiB/s | 97.4 KiB | 00m00s
[12/18] subversion-libs-0:1.14.5-1.fc41.x86_64 100% | 8.5 MiB/s | 1.4 MiB | 00m00s
[13/18] golang-bin-0:1.23.6-1.fc41.x86_64 100% | 4.5 MiB/s | 27.5 MiB | 00m06s
[14/18] apr-0:1.7.5-1.fc41.x86_64 100% | 168.9 KiB/s | 128.6 KiB | 00m01s
[15/18] libserf-0:1.3.10-7.fc41.x86_64 100% | 465.9 KiB/s | 56.8 KiB | 00m00s
[16/18] apr-util-lmdb-0:1.6.3-21.fc41.x86_64 100% | 105.8 KiB/s | 14.5 KiB | 00m00s
[17/18] mercurial-0:6.8.2-1.fc41.x86_64 100% | 9.8 MiB/s | 6.5 MiB | 00m01s
[18/18] apr-util-openssl-0:1.6.3-21.fc41.x86_64 100% | 92.6 KiB/s | 16.2 KiB | 00m00s
-----
[18/18] Total 100% | 15.9 MiB/s | 118.3 MiB | 00m07s
Выполнение транзакции
[ 1/20] Проверить файлы пакета 100% | 55.0 B/s | 18.0 B | 00m00s 00m00s
[ 2/20] Подготовить транзакцию 100% | 31.0 B/s | 18.0 B | 00m01s 00m00s
[ 3/20] Установка apr-0:1.7.5-1.fc41.x86_64 100% | 6.3 MiB/s | 304.1 KiB | 00m00s
[ 4/20] Установка apr-util-0:1.6.3-21.fc41.x86_64 100% | 10.3 MiB/s | 222.0 KiB | 00m00s
[ 5/20] Установка libserf-0:1.3.10-7.fc41.x86_64 100% | 6.9 MiB/s | 135.0 KiB | 00m00s
[ 6/20] Установка subversion-libs-0:1.14.5-1.fc41.x86_64 100% | 49.8 MiB/s | 4.4 MiB | 00m00s
[ 7/20] Установка kernel-headers-0:6.13.3-200.fc41.x86_64 100% | 5.7 MiB/s | 6.6 MiB | 00m01s
[ 8/20] Установка libxcrypt-devel-0:4.4.38-6.fc41.x86_64 100% | 827.0 KiB/s | 33.1 KiB | 00m00s
[ 9/20] Установка glibc-devel-0:2.40-21.fc41.x86_64 100% | 4.4 MiB/s | 2.3 MiB | 00m01s
[10/20] Установка gcc-0:14.2.1-7.fc41.x86_64 100% | 131.6 MiB/s | 103.4 MiB | 00m01s
[11/20] Установка go-filesystem-0:3.6.0-5.fc41.x86_64 100% | 14.7 KiB/s | 392.0 B | 00m00s
[12/20] Установка golang-src-0:1.23.6-1.fc41.x86_64 100% | 10.5 MiB/s | 77.2 MiB | 00m07s
[13/20] Установка golang-0:1.23.6-1.fc41.x86_64 100% | 97.1 MiB/s | 8.9 MiB | 00m00s
[14/20] Установка golang-bin-0:1.23.6-1.fc41.x86_64 100% | 238.8 MiB/s | 113.9 MiB | 00m00s
[15/20] Установка libsass-0:3.6.6-2.fc41.x86_64 100% | 50.1 MiB/s | 2.2 MiB | 00m00s
[16/20] Установка hugo-0:0.126.2-3.fc41.x86_64 100% | 39.0 MiB/s | 83.3 MiB | 00m02s
[17/20] Установка subversion-0:1.14.5-1.fc41.x86_64 100% | 28.1 MiB/s | 5.1 MiB | 00m00s
[18/20] Установка apr-util-lmdb-0:1.6.3-21.fc41.x86_64 100% | 698.2 KiB/s | 16.1 KiB | 00m00s
[19/20] Установка apr-util-openssl-0:1.6.3-21.fc41.x86_64 100% | 1.0 MiB/s | 24.4 KiB | 00m00s
[20/20] Установка mercurial-0:6.8.2-1.fc41.x86_64 100% | 8.6 MiB/s | 31.1 MiB | 00m04s
Завершено!
gkrutushin@gkrutushin: /work/Personal Site/Personal Site$ hugo version
hugo v0.126.2+extended linux/amd64 BuildDate=2024-07-18T00:00:00-00:00 VendorInfo=Fedora:0.126.2-3.fc41
gkrutushin@gkrutushin: /work/Personal Site/Personal Site$
[01] Bash$ "gkrutushin" 21:03 06-map-23
```

Рис. 2: Версия hugo

3. Клонировем репозиторий с темой theme-academic-cv в новый репозиторий grkurushin.github.io

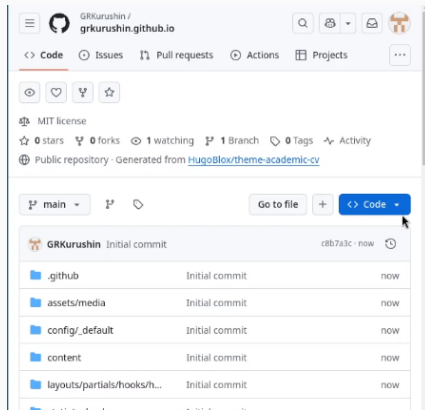


Рис. 3: Новый репозиторий

4. Заходим в настройки репозитория, переходим во вкладку Pages и открываем наш сайт

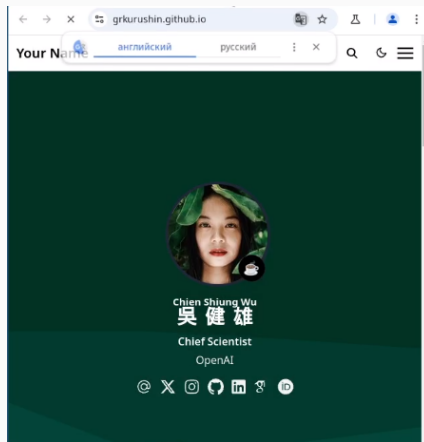


Рис. 4: Сайт

5. Клонировем свой репозиторий на компьютер

```
font
with --templateMetrics
-t, --theme strings          themes to use (located in /themes/THEMENAME/)
--tlsAuto                   generate and use locally-trusted certificates.
--tlsCertFile string        path to TLS certificate file
--tlsKeyFile string         path to TLS key file
--trace file                write trace to file (not useful in general)
-w, --watch                 watch filesystem for changes and recreate as n
eeded (default true)

Global Flags:
--clock string              set the clock used by Hugo, e.g. --clock 202
1-11-06T22:30:00.00+09:00
--config string             config file (default is hugo.yaml|json|toml)
--configDir string         config dir (default "config")
--debug                    debug output
-d, --destination string    filesystem path to write files to
-e, --environment string    build environment
--ignoreVendorPaths string ignores any _vendor for module paths matchin
g the given Glob pattern
--LogLevel string          log level (debug|info|warn|error)
--quiet                   build in quiet mode
-M, --renderToMemory       render to memory (mostly useful when running
the server)
-s, --source string        filesystem path to read files relative from
--themesDir string         filesystem path to themes directory
-v, --verbose              verbose output

Use "hugo server [command] --help" for more information about a command.

Error: command error: failed to load modules: module "github.com/HugoBlox/hugo-
blox-builder/modules/blox-tailwind" not found in "/home/grkuzushin/work/Persona
l-Site/themes/github.com/HugoBlox/hugo-blox-builder/modules/blox-tailwind"; eit
her add it as a Hugo Module or store it in "/home/grkuzushin/work/Personal-Site
/themes": module does not exist
grkuzushin@grkuzushin:~/work/Personal-Site$ cd ..
grkuzushin@grkuzushin:~/local/share/Trash/files$ cd ~/work/
grkuzushin@grkuzushin:~/work$ git clone https://github.com/GRKuzushin/grkuzushi
n.github.io.git
Клонирование в «grkuzushin.github.io»...
remote: Enumerating objects: 98, done.
remote: Counting objects: 100% (98/98), done.
remote: Compressing objects: 100% (84/84), done.
Получение объектов: 39% (39/98). 1.21 MiB | 1.18 MiB/c
```

6. Запускаем локальный сервер hugo, чтобы вносить изменения в live-режиме

```
root
1-11-06T22:30:00.00+09:00
--config string          config file (default is hugo.yaml|json|toml)
--configDir string       config dir (default "config")
--debug                  debug output
-d, --destination string filesystem path to write files to
-e, --environment string  build environment
--ignoreVendorPaths string ignores any _vendor for module paths matching
the given Glob pattern
--logLevel string         log level (debug|info|warn|error)
--quiet                  build in quiet mode
-M, --renderToMemory      render to memory (mostly useful when running
the server)
-s, --source string        filesystem path to read files relative from
--themesDir string         filesystem path to themes directory
-v, --verbose              verbose output

Use "hugo server [command] --help" for more information about a command.

Error: command error: failed to load modules: module "github.com/HugoBlox/hugo-
blox-builder/modules/blox-tailwind" not found in "/home/grkurushin/work/Persona
l-Site/themes/github.com/HugoBlox/hugo-blox-builder/modules/blox-tailwind"; eit
her add it as a Hugo Module or store it in "/home/grkurushin/work/Personal-Site
/themes": module does not exist
grkurushin@grkurushin:~/work/Personal-Site$ cd ..
grkurushin@grkurushin:~/local/share/Trash/files$ cd ~/work/
grkurushin@grkurushin:~/work$ git clone https://github.com/GRKurushin/grkurushi
n.github.io.git
Клонирование в «grkurushin.github.io»...
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 | 1.83 Миб/с, готово.
Определение изменений: 100% (5/5), готово.
grkurushin@grkurushin:~/work$ hugo
Total in 1 ms
Error: Unable to locate config file or config directory. Perhaps you need to cr
eate a new site.
Run 'hugo help new' for details.
grkurushin@grkurushin:~/work$ cd grkurushin.github.io/
grkurushin@grkurushin:~/work/grkurushin.github.io$ hugo
hugo: downloading modules ...

```

7. Пушим изменения в github

```
front
5_27600_c733630b2009df4c14fb81d5b1eca5.webp
create mode 100644 resources/_gen/images/project/scikit/featured_hudafaa70231b6ee3e9c6457882ec7a1
5_27600_d8424460d0ef106511b703c84017cf29.webp
create mode 100644 resources/_gen/images/publication/conference-paper/featured_hu3d03a01dccc18bc5be
0e67db3d8d209a6_312700_655x655_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/publication/conference-paper/featured_hu3d03a01dccc18bc5be
0e67db3d8d209a6_312700_6be8e19b87b6d261ead1cd399d1885b8.webp
create mode 100644 resources/_gen/images/publication/conference-paper/featured_hu3d03a01dccc18bc5be
0e67db3d8d209a6_312700_960x540_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/publication/conference-paper/featured_hu3d03a01dccc18bc5be
0e67db3d8d209a6_312700_ca381a1b03d3ea8e8c27e93250fe5575.webp
create mode 100644 resources/_gen/images/publication/journal-article/featured_hu3d03a01dccc18bc5be0
e67db3d8d209a6_214160_655x655_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/publication/journal-article/featured_hu3d03a01dccc18bc5be0
e67db3d8d209a6_214160_8d64d7aea654116b71cd8921713bee92.webp
create mode 100644 resources/_gen/images/publication/preprint/featured_hu559a5add5185b02575aa83335
02ab2cc_220813_3f5c72a07d2c1c8dd8ac8ab4ce7ea489.webp
create mode 100644 resources/_gen/images/publication/preprint/featured_hu559a5add5185b02575aa83335
02ab2cc_220813_51a9e1e55db30a702098109ae11a3bc.webp
create mode 100644 resources/_gen/images/publication/preprint/featured_hu559a5add5185b02575aa83335
02ab2cc_220813_655x655_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/publication/preprint/featured_hu559a5add5185b02575aa83335
02ab2cc_220813_960x540_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/teaching/js/featured_hu02aa61ae1d9de35cbe238d2676170cb9_1
73745_64c2ef085162ca523b275147f8d451dc.webp
create mode 100644 resources/_gen/images/teaching/js/featured_hu02aa61ae1d9de35cbe238d2676170cb9_1
73745_655x655_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/teaching/js/featured_hu02aa61ae1d9de35cbe238d2676170cb9_1
73745_960x540_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/teaching/js/featured_hu02aa61ae1d9de35cbe238d2676170cb9_1
73745_f6b44cf8d5dcf1d4fefaf177cald0b31.webp
create mode 100644 resources/_gen/images/teaching/python/featured_hu02aa61ae1d9de35cbe238d2676170c
b9_173745_64c2ef085162ca523b275147f8d451dc.webp
create mode 100644 resources/_gen/images/teaching/python/featured_hu02aa61ae1d9de35cbe238d2676170c
b9_173745_655x655_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/teaching/python/featured_hu02aa61ae1d9de35cbe238d2676170c
b9_173745_960x540_fill_q80_lanczos_center.jpg
create mode 100644 resources/_gen/images/teaching/python/featured_hu02aa61ae1d9de35cbe238d2676170c
b9_173745_f6b44cf8d5dcf1d4fefaf177cald0b31.webp
gkrurushin@gkrurushin:~/work/gkrurushin.github.io$ git push
Перечисление объектов: 380, готово.
Подсчет объектов: 100% (380/380), готово.
При сжатии изменений используется до 6 потоков
Сжатие объектов: 100% (389/389), готово.
Запись объектов: 100% (367/367), 7.66 МБ/s | 1.51 МБ/с, готово.
Total 367 (delta 90), reused 22 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (90/90), completed with 6 local objects.
To https://github.com/GKRurushin/gkrurushin.github.io.git
c8b7a3c..a7e19e2 main -> main
```

Разместил на Github Pages заготовки для персонального сайта.

...