

Провести инсталляцию программного обеспечения.

На основе материалов, опубликованных в примечаниях к заданию, установить необходимое ПО. В отчете поэтапно продемонстрировать процесс установки (в виде набора скриншотов) с ключевыми моментами установки.

Примечание 1: <https://disk.yandex.ru/i/bHPfXyufLTK0og>

1. Запустить Docker

2. Создадим каталог

```
D:\Programs>mkdir grav-docker  
D:\Programs>cd grav-docker  
D:\Programs\grav-docker>_
```

3. Создадим файл Dockerfile загрузим содержимое файла Dockerfile с репозитория

<https://github.com/getgrav/docker-grav/blob/master/Dockerfile>

```
D:\Programs\grav-docker>type con > Dockerfile  
FROM php:8.3-apache-bullseye  
LABEL maintainer="Andy Miller <rhuk@getgrav.org> (@rhukster)"  
  
# Enable Apache Rewrite + Expires Module  
RUN apt-get update && apt-get install -y --no-install-recommends \  
    unzip \  
    libfreetype6-dev \  
    libjpeg62-turbo-dev \  
    libpng-dev \  
    libyaml-dev \  
    libzip4 \  
    libzip-dev \  
    zlib1g-dev \  
    libicu-dev \  
    g++ \  
    git \  
    cron \  
    vim \  
    && docker-php-ext-install opcache \  
    && docker-php-ext-configure intl \  
    && docker-php-ext-install intl \  
    && docker-php-ext-configure gd --with-freetype --with-jpeg \  
    && docker-php-ext-install -j$(nproc) gd \  
    && docker-php-ext-install zip \  
    && rm -rf /var/lib/apt/lists/*
```

4. Создадим файл docker-compose.yml и загрузим в него также содержимое файла docker-compose.yml с репозитория выше.

```
D:\Programs\grav-docker>type con > docker-compose.yml
volumes:
  grav-data:
    driver: local
    driver_opts:
      type: none
      device: $PWD/grav
      o: bind

services:
  grav:
    build: ./
    ports:
      - 8080:80
    volumes:
      - grav-data:/var/www/html

^Z
```

5. На сайте <https://getgrav.org> в разделе Basics/Instalation скачаем grav-admin(3 ссылка)

- getgrav.org/download/core/grav/1.7.0 downloads Grav Core v1.7.0
- getgrav.org/download/core/grav/1.7.0-rc.10?testing=true downloads Grav Core v1.7.0-rc.10, a testing release
- getgrav.org/download/core/grav-admin/1.7.0 downloads Grav Core with the Admin plugin, at Core v1.7.0
- getgrav.org/download/core/grav-admin/1.7.0-rc.10?testing=true downloads Grav Core v1.7.0-rc.10 with the Admin plugin, a testing release
- getgrav.org/download/core/grav-update/1.7.0 downloads the update package for Grav Core
- getgrav.org/download/plugins/flex-objects-json/0.1.0 downloads the Flex Objects JSON plugin at v0.1.0
- getgrav.org/download/themes/quark/2.0.3 downloads the Quark theme at v2.0.3

If you downloaded the ZIP file and then plan to move it to your webroot, please move the **ENTIRE FOLDER** because it contains several hidden files (such as .htaccess) that will not be selected by default. The omission of these hidden files can cause problems when running Grav.

6. Разархивируем zip в папку grav, которую создадим в нашем каталоге

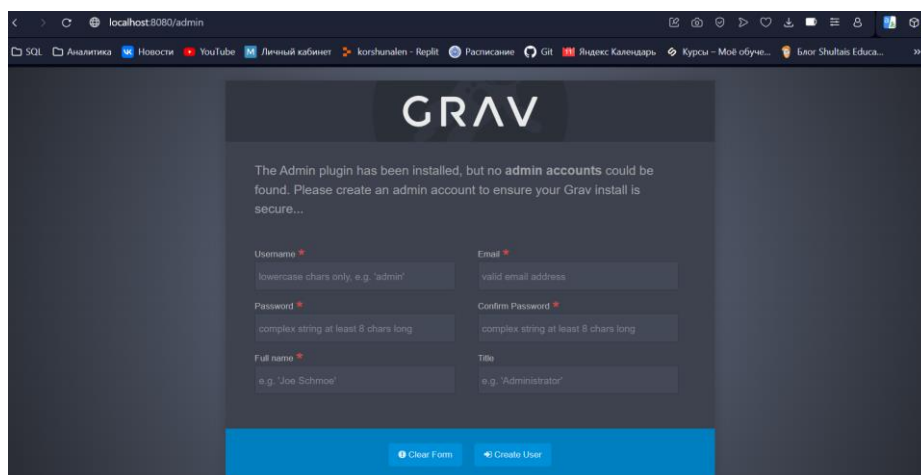
7. В командной строке выполним docker-compose up

```
=> [grav] exporting to image 0.2s
=> => exporting layers 0.0s
=> => exporting manifest sha256:6eededb7644ecced702fbd581f38383e172a6d9ce3640625f52f415dfc7cfc51 0.0s
=> => exporting config sha256:1631f5aa84acacdc70db84ccdd12ed06ce1c53875599b65f8b7f00050ee9401e 0.0s
=> => exporting attestation manifest sha256:1726721ec19bf19f6a41600189ce2f37800a4e22ce3554714fe95cb7141b9416 0.0s
=> => exporting manifest list sha256:14b72cdf84d40e859371564ec5051be381307f684455f39e14e45478304d204d 0.0s
=> => naming to docker.io/library/grav-docker-grav:latest 0.0s
=> => unpacking to docker.io/library/grav-docker-grav:latest 0.0s
=> [grav] resolving provenance for metadata file 0.0s
[+] Running 1/2
  grav Built 0.0s
  Container grav-docker-grav-1 Creating 0.2s
Error response from daemon: failed to populate volume: error while mounting volume '/var/lib/docker/volumes/grav-docker_
grav-data/_data': failed to mount local volume: mount /grav:/var/lib/docker/volumes/grav-docker_grav-data/_data, flags:
0x1000: no such file or directory

D:\Programs\grav-docker>docker-compose up
[+] Running 1/1
  Container grav-docker-grav-1 Created 4.8s
Attaching to grav-1
grav-1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.18.0.2. Set
the 'ServerName' directive globally to suppress this message
grav-1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.18.0.2. Set
the 'ServerName' directive globally to suppress this message
grav-1 | [Sun Mar 09 16:36:16.964193 2025] [mpm_prefork:notice] [pid 9:tid 9] AH00163: Apache/2.4.62 (Debian) configure
d -- resuming normal operations
grav-1 | [Sun Mar 09 16:36:16.964262 2025] [core:notice] [pid 9:tid 9] AH00094: Command line: 'apache2 -D FOREGROUND'
```

View in Docker Desktop View Config Enable Watch

8. После сборки образа docker файла в браузере вводим localhost:8080, чтобы запустить админ Grav.



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/admin'. The browser's tab bar includes several tabs: 'SQL', 'Аналитика', 'Новости', 'YouTube', 'Личный кабинет', 'korshunalen - Replit', 'Расписание', 'Git', 'Яндекс.Календарь', 'Курсы - Мои обуче...', and 'Блог Shulais Educa...'. The main content area of the browser shows the Grav Admin interface. At the top, the 'GRAV' logo is centered. Below it, a message states: 'The Admin plugin has been installed, but no admin accounts could be found. Please create an admin account to ensure your Grav install is secure...'. The interface features a form with six input fields arranged in two columns. The left column contains 'Username' (with a hint 'lowercase chars only, e.g. 'admin''), 'Password' (with a hint 'complex string at least 8 chars long'), and 'Full name' (with a hint 'e.g. 'Joe Schmoe''). The right column contains 'Email' (with a hint 'valid email address'), 'Confirm Password' (with a hint 'complex string at least 8 chars long'), and 'Title' (with a hint 'e.g. 'Administrator''). At the bottom of the form, there are two buttons: 'Clear Form' and 'Create User'.