

Установка Grav CMS с использованием Docker Compose.

1. Создание рабочей директории:

```
mkdir grav-test
cd grav-test
```

Создана директория grav-test для хранения файлов конфигурации Docker и файлов Grav.

2. Создание Dockerfile:

Создан файл с именем Dockerfile в директории grav-test и добавлен следующий код:

```
FROM php:7.4-apache
LABEL maintainer="Andy Miller <rhuk@getgrav.org> (@rhukster)"

# Enable Apache Rewrite + Expires Module
RUN a2enmod rewrite expires && \
    sed -i 's/ServerTokens OS/ServerTokens ProductOnly/g' \
        /etc/apache2/conf-available/security.conf

# Install dependencies
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/*

# set recommended PHP.ini settings
# see https://secure.php.net/manual/en/opcache.installation.php
RUN { \
    echo 'opcache.memory_consumption=128'; \
    echo 'opcache.interned_strings_buffer=8'; \
    echo 'opcache.max_accelerated_files=4000'; \
    echo 'opcache.revalidate_freq=2'; \
    echo 'opcache.fast_shutdown=1'; \
    echo 'opcache.enable_cli=1'; \
    echo 'upload_max_filesize=128M'; \
    echo 'post_max_size=128M'; \
    echo 'expose_php=off'; \
    } > /usr/local/etc/php/conf.d/php-recommended.ini

RUN pecl install apcu \
    && pecl install yaml-2.0.4 \
    && docker-php-ext-enable apcu yaml
```

```

# Set user to www-data
RUN chown www-data:www-data /var/www
USER www-data

# Define Grav specific version of Grav or use latest stable
ARG GRAV_VERSION=latest

# Install grav
WORKDIR /var/www
RUN curl -o grav-admin.zip -SL https://getgrav.org/download/core/grav-admin/${GRAV_VERSION} && \
    unzip grav-admin.zip && \
    mv -T /var/www/grav-admin /var/www/html && \
    rm grav-admin.zip

# Create cron job for Grav maintenance scripts
RUN (crontab -l; echo "* * * * * cd /var/www/html;/usr/local/bin/php bin/grav scheduler 1>> /dev/null 2>&1") | crontab -

# Return to root user
USER root

# Copy init scripts
# COPY docker-entrypoint.sh /entrypoint.sh

# provide container inside image for data persistence
VOLUME ["/var/www/html"]

# ENTRYPPOINT ["/entrypoint.sh"]
# CMD ["apache2-foreground"]
CMD ["sh", "-c", "cron && apache2-foreground"]

```

3. Создание docker-compose.yml:

Создан файл с именем docker-compose.yml в директории grav-test и добавлен следующий код:

```

version: "3.9"
services:
  grav:
    build: ./
    ports:
      - 8080:80
    volumes:
      - grav-data:/var/www/html

volumes:
  grav-data:

```

Этот docker-compose.yml выполняет следующие действия:

- Определяет сервис grav.
- Указывает Docker Compose построить образ из Dockerfile в текущей директории.
- Публикует порт 80 контейнера на порт 8080 хост-машины.
- Подключает именованный том grav-data к каталогу /var/www/html в контейнере.

4. Загрузка Grav:

Архив скачен и распакован в папку grav-test.

<https://getgrav.org/download/core/grav-admin/1.7.0>

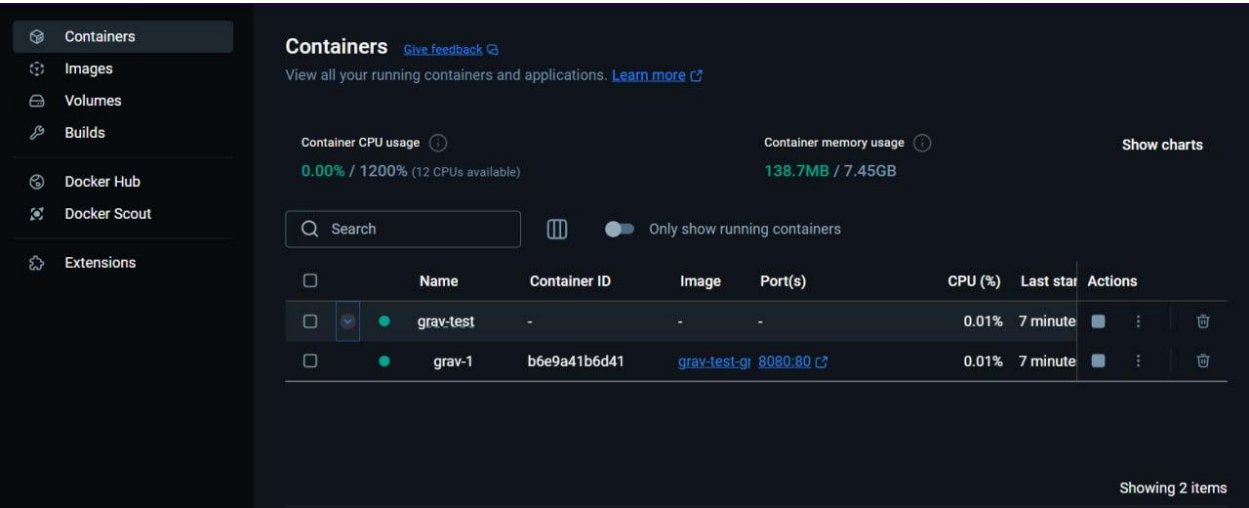
5. Запуск Docker Compose:

В командной строке, находясь в директории grav-test, выполнена команда:

`docker-compose up`

```
C:\grav-test>docker-compose up
time="2025-02-09T00:41:40+03:00" level=warning msg="C:\\grav-test\\docker-compose.yml: the attribute 'version' is obsolete, it will be ignored, please remove it to avoid potential confusion"
[*] Running 1/1
✓ Container grav-test-grav-1 Recreated 0.1s
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 | [Sat Feb 08 21:41:41.356863 2025] [mpm_prefork:notice] [pid 9] AH00163: Apache/2.4.54 (Debian) configured -- resuming normal operations
grav-1 | [Sat Feb 08 21:41:41.357866 2025] [core:notice] [pid 9] AH00094: Command line: 'apache2 -D FOREGROUND'
grav-1 | 172.18.0.1 - - [08/Feb/2025:21:42:19 +0000] "GET / HTTP/1.1" 302 467 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
grav-1 | 172.18.0.1 - - [08/Feb/2025:21:42:19 +0000] "GET /admin HTTP/1.1" 200 20293 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
grav-1 | 172.18.0.1 - - [08/Feb/2025:21:42:20 +0000] "GET /user/plugins/admin/themes/grav/css-compiled/nucleus.css?c421786ee6 HTTP/1.1" 200 2851 "http://localhost:8080/admin" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
```

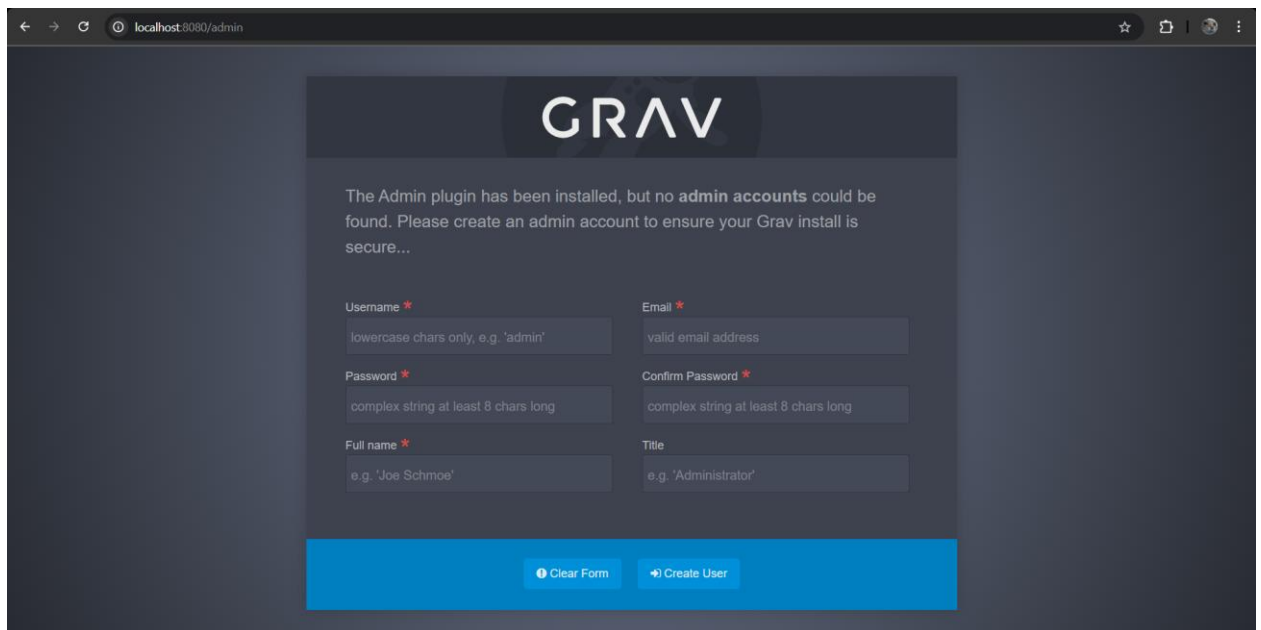
Docker Compose построил образ, создал и запустил контейнер.



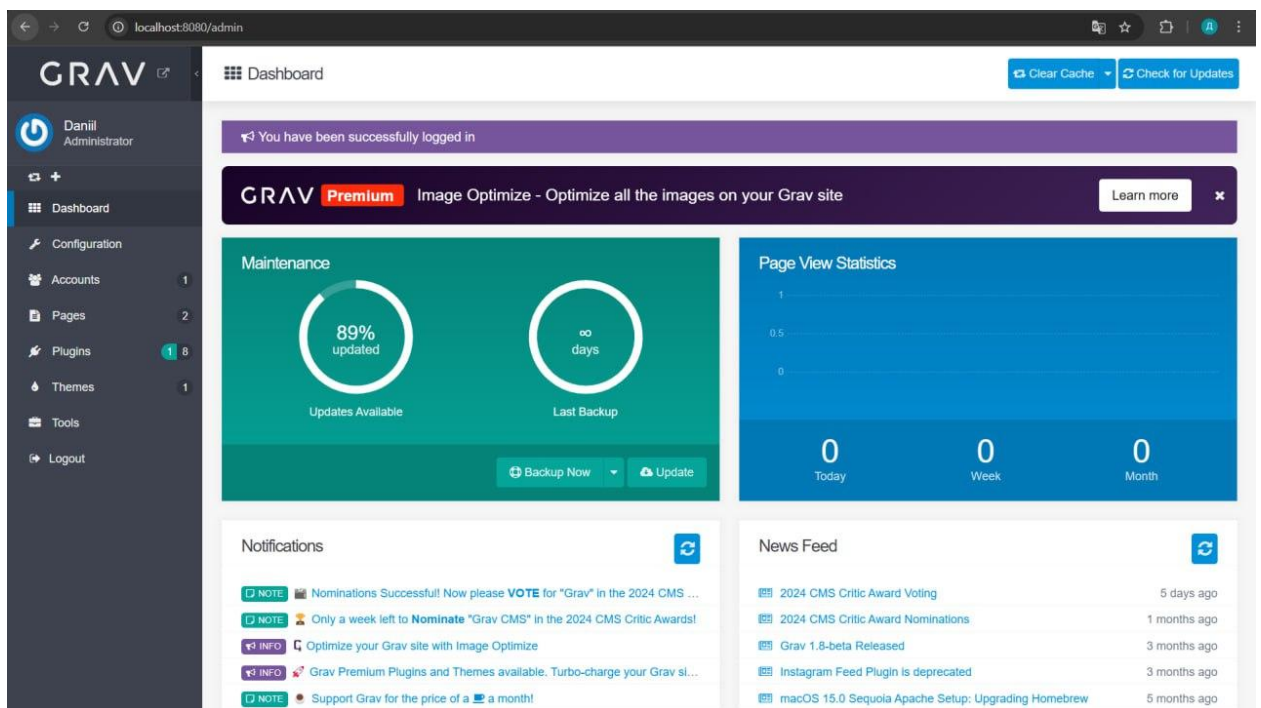
6. Открытие сайта и регистрация:

После успешного запуска контейнера, в браузере открыт адрес <http://localhost:8080>.

Открылась страница установки Grav. Были заполнены необходимые поля для регистрации администратора и создания учетной записи.



The screenshot shows the Grav Admin installation interface. At the top, the Grav logo is displayed. 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 form contains six input fields: Username (with a hint "lowercase chars only, e.g. 'admin'"), Email (with a hint "valid email address"), Password (with a hint "complex string at least 8 chars long"), Confirm Password (with a hint "complex string at least 8 chars long"), Full name (with a hint "e.g. 'Joe Schmoe'"), and Title (with a hint "e.g. 'Administrator'"). At the bottom of the form are two buttons: "Clear Form" and "Create User".



The screenshot shows the Grav Admin dashboard after successful login. The user is "Daniil Administrator". The dashboard includes a sidebar with navigation links: Dashboard, Configuration, Accounts (1), Pages (2), Plugins (1, 8), Themes (1), Tools, and Logout. The main content area features a "Dashboard" header with "Clear Cache" and "Check for Updates" buttons. A purple notification bar states "You have been successfully logged in". Below this is a "GRAV Premium" banner for "Image Optimize". The "Maintenance" section shows "89% updated" and "∞ days" for "Last Backup", with buttons for "Backup Now" and "Update". The "Page View Statistics" section shows "0" views for "Today", "Week", and "Month". The "Notifications" section lists several messages, including "Nominations Successful! Now please VOTE for 'Grav' in the 2024 CMS Critic Awards!". The "News Feed" section lists recent updates, such as "2024 CMS Critic Award Voting" (5 days ago) and "Grav 1.8-beta Released" (3 months ago).

7. Создание пробной страницы:

После успешной регистрации, в панели администратора была создана новая страница с тестовым контентом.

Test

Smth text