# GravCMS Local Setup and Admin Panel Configuration

## Part 1: GravCMS Local Setup

### Step 1: Create Dockerfile

```dockerfile
FROM php:8.0

# Install Node.js 18.x
RUN curl -fsSL https://deb.nodesource.com/setup_18.x | bash -
RUN apt-get install -y nodejs

# Install Composer globally (make sure to check for the latest version)
RUN curl -sS https://getcomposer.org/installer | php --
--install-dir=/usr/local/bin --filename=composer --version=2.4.0

# Set the working directory
WORKDIR /var/www/html

# Install GD and Zip extensions for PHP
RUN apt-get update && apt-get install -y libpng-dev libzip-dev libjpeg-dev \
&& docker-php-ext-configure gd --with-jpeg \
&& docker-php-ext-install gd zip

# Expose any necessary ports if your application requires it
EXPOSE 80

# Start your PHP application
CMD ["php", "-S", "0.0.0.0:80", "/var/www/html/system/router.php"]
```

**Step 2: Create docker-compose.yaml**

```yaml
version: '3.9'

services:
  php:
    build:
      context: .
    ports:
      - "80:80"
    volumes:
      - ./site:/var/www/html
```

You can set port whatever you want. But port need to be available for mapping.
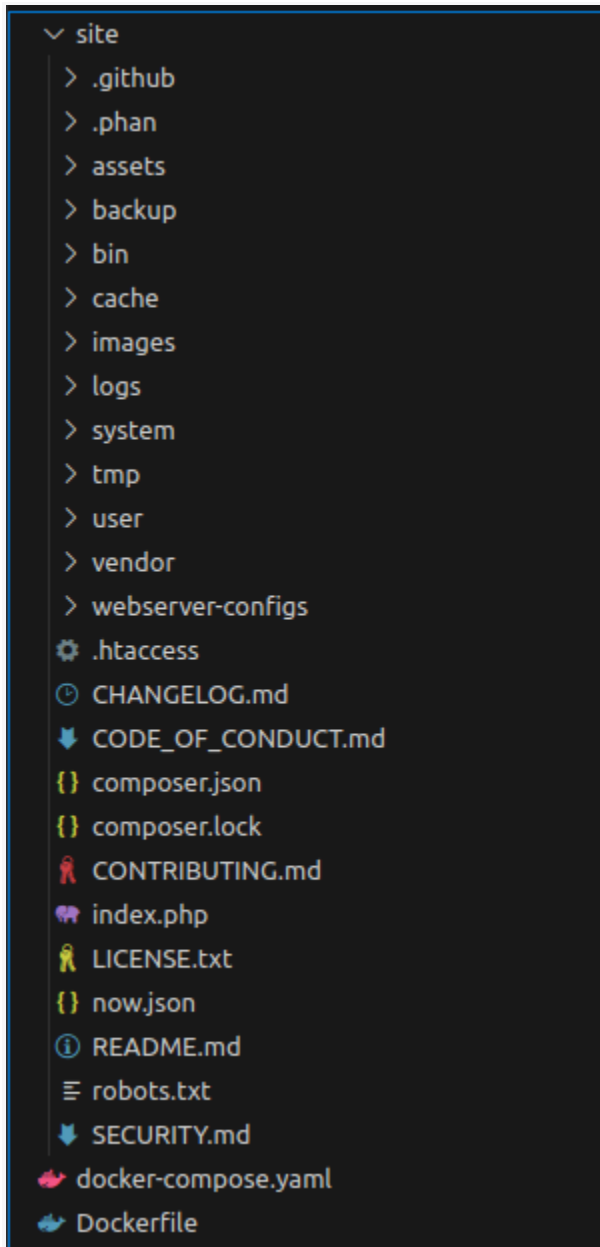
**Step 3: Download Grav Code**

Download Grav from https://getgrav.org/downloads.

**Step 4: Extract Grav Code**

Extract the downloaded folder (e.g., grav-v1.7.43.zip).

## Step 5: Create site folder

Create a site folder and copy everything from the extracted Grav folder into it. So the folder structure will be:

```
v site
  > .github
  > .phan
  > assets
  > backup
  > bin
  > cache
  > images
  > logs
  > system
  > tmp
  > user
  > vendor
  > webserver-configs
  .htaccess
  CHANGELOG.md
  CODE_OF_CONDUCT.md
  {} composer.json
  {} composer.lock
  CONTRIBUTING.md
  index.php
  LICENSE.txt
  {} now.json
  README.md
  robots.txt
  SECURITY.md
docker-compose.yaml
Dockerfile
```

### Step 6: Build Docker Container

Run the following command to build the Docker container:

```
docker-compose up --build
```

### Step 7: Access Your Grav Site

After successfully building the Docker image, you can access your Grav site at
http://localhost(URL can be changed based on port whatever you put in
docker-compose.yaml).

## Part 2: Enabling the Admin Plugin and Creating a Superuser Account

### Step 1: Enter the Docker Container

Run the following commands to enter the Docker container:

```
docker ps // To get the container ID
docker exec -it <container-id> bash // Enter the container ID
```

### Step 2: Install Admin Plugin

Inside the Docker container, run the following command to install and enable the admin
plugin:

```
bin/gpm install admin
```

**Step 3: Create Superuser Account**

After installing the admin plugin, you can create a superuser account by any option between two:

1. **Accessing http://localhost/admin and following the on-screen instructions to create the first user. Because if there is no user, system will prompt to create first user(Super Admin).**
2. **Running the following command inside the Docker container:**
   ```
   bin/plugin login new-user
   ```

# Part 3: Configuring Site Title and Basic Settings

**Step 1: Access Admin Panel**

Log in to the admin panel by browsing http://localhost/admin.

**Step 2: Configure Site Title and Basic Settings**

Navigate to the "Configuration" menu and select the "Site" tab. Here, you can edit settings such as Site Title, Default Theme, Default Language, Default Author, Default Email, and more. Make the necessary changes and click "Save" from the upper right corner to apply the configuration.