**Drupal Docker Setup: Step-by-Step Instructions**

This guide explains how to set up a **Drupal 10/11 site using Docker Compose** with:

* MariaDB (database),
* PHP (custom build),
* Nginx (web server),
* (Optional) Ubuntu helper container.

**1️. System Requirements**

* Docker Engine installed (check: docker --version)
* Docker Compose installed (check: docker-compose --version)

**2️. Project Structure**

my\_drupal\_ubuntu/

├── docker-compose.yml

├── nginx.conf

├── php.ini

├── web/

│ └── index.php

│ └── core/

│ └── sites/

│ └── ...

├── vendor/

├── php-ubuntu/

│ └── Dockerfile

**3️. Files & configs**

**docker-compose.yml**

**nginx.conf**

**php-ubuntu/Dockerfile**

**php.ini**

**4️. Setup**

1️. **Clone the repo or copy the project files** to your Azure Dev Box (or local machine).

2️. **Check if vendor/ is present:**

If no vendor/, run:

composer install (This will create vendor/ at the project root)

3️. **Build and run the containers:**

In the project root:

docker-compose up --build -d

4️. **Check container status:**

docker-compose ps

5️. **Access the Drupal site:**

<http://localhost:8088> (For Azure Dev Box, replace localhost with **Dev Box IP address)**

**5️. Database credentials (used by Drupal)**

Make sure your settings.php (inside web/sites/default/) has:

'database' => [

'default' => [

'default' => [

'database' => 'drupal10',

'username' => 'drupal10',

'password' => 'drupal10',

'host' => 'my\_drupal\_ubuntu\_db',

'port' => '3306',

'driver' => 'mysql',

'prefix' => '',

],

],

],

**6️. Docker commands**

**Check logs:**

docker-compose logs nginx

docker-compose logs php

docker-compose logs db

**Enter the PHP container:**

docker exec -it my\_drupal\_ubuntu\_php bash

**Stop everything:**

docker-compose down

**Rebuild:**

docker-compose down

docker-compose up --build -d

**7️. Ubuntu helper**

The Ubuntu container to run Linux tools or debug:

docker exec -it my\_drupal\_ubuntu\_shell bash

install tools: apt update && apt install vim

view files: cd /var/www/web

Drupal site served via **Nginx + PHP + MariaDB,**

Optional Ubuntu container for extra tools,

Can install on **Azure Dev Box (did not test yet), Mac, or any Docker-enabled environment.**