Docker Compose Documentation

Overview

This Docker Compose file sets up a multi-container environment for running PrestaShop, MySQL, and phpMyAdmin. It allows for easy deployment and management of a PrestaShop e-commerce platform along with a MySQL database.

Services

1. phpMyAdmin

* Image: phpmyadmin/phpmyadmin
* Container Name: phpmyadmin
* Links: Connects to the MySQL container using the alias "mysql."
* Environment Variables:
  + PMA\_HOST: mysql
  + PMA\_PORT: 3306
  + PMA\_ARBITRARY: 1
* Restart Policy: unless-stopped
* Ports: Maps host port 8081 to phpMyAdmin container port 80
* Networks: Connects to the "prestashop\_network."

2. MySQL

* Container Name: some-mysql
* Image: mysql:5.7
* Restart Policy: unless-stopped
* Environment Variables:
  + MYSQL\_ROOT\_PASSWORD: admin
  + MYSQL\_DATABASE: prestashop
* Networks: Connects to the "prestashop\_network."
* Volumes: Mounts a volume named "dbdata" to /var/lib/mysql for persistent data storage.

3. PrestaShop

* Container Name: prestashop
* Image: prestashop/prestashop:latest
* Restart Policy: unless-stopped
* Depends On: Requires the MySQL container to be running before starting.
* Ports: Maps host port 8080 to PrestaShop container port 80
* Environment Variables:
  + DB\_SERVER: some-mysql
  + DB\_NAME: prestashop
  + DB\_USER: root
  + DB\_PASSWD: admin
  + PS\_FOLDER\_ADMIN: admin\_prestashop
  + PS\_FOLDER\_INSTALL: install\_prestashop
* Networks: Connects to the "prestashop\_network."
* Volumes: Mounts the local directories for custom modules and themes, as well as a volume named "psdata" for persistent data storage.
* Networks
* Network Name: prestashop\_network
* Description: Custom network for connecting the containers.
* Volumes
* Volume Name: psdata
* Description: Volume for persistent data storage for PrestaShop.
* Volume Name: dbdata
* Description: Volume for persistent data storage for MySQL.
* Usage
* Clone the repository or create the necessary directories for modules, themes, and data volumes.
* Adjust configuration parameters in the Docker Compose file as needed.
* Run docker-compose up -d to start the containers.
* Access PrestaShop at http://localhost:8080 and phpMyAdmin at http://localhost:8081.