

Setup & Configuration

We need to install the service through Portainer and configure any necessary settings.

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Preparation

There are some things we need to do in preparation to install this service.

Volumes

Persistent Data

This is where the service will store its own application data and ensures we can quickly update the service image.

Ensure your user has permissions to access the folder.

Environment

DB_USER

This is the username to be used for logging into the database.

For example: wordpress_admin

Passwords

Keep these securely stored in a password manager, such as [VaultWarden](#).

DB_PASSWORD

This is the password that will be used for access to the database.

It is important to use secure, randomly generated password.

You can use a random alphanumeric string from a password manager, or open the terminal and run the command:

```
tr -dc 'A-Za-z0-9!"#$%&'\'()*+,-./:;<=>?@[\\]^_`{|}~' </dev/urandom | head -c 32; echo
```

This pulls a random string from the '[urandom](#)' device, removes unwanted characters and trim it to an appropriate length.

Installation

The service can be installed through the Portainer web interface.

Learn about [creating a new stack](#).

Docker Compose

Use the following code to install the service:

```
---
services:
  db:
    image: mariadb:10.6.4-focal
    command: '--default-authentication-plugin=mysql_native_password'
    volumes:
      - /srv/wordpress/db:/var/lib/mysql
    restart: always
    environment:
      - MYSQL_ROOT_PASSWORD=
      - MYSQL_DATABASE=wordpress
      - MYSQL_USER=${DB_USER}
      - MYSQL_PASSWORD=${DB_PASSWORD}
    expose:
      - 3306

  wordpress:
    image: wordpress:latest
    ports:
      - 8080:80
    restart: always
    depends_on:
      - db
    volumes:
```

```
- /srv/wordpress/html:/var/www/html
```

environment:

- WORDPRESS_DB_HOST=db
- WORDPRESS_DB_USER=\${DB_USER}
- WORDPRESS_DB_PASSWORD=\${DB_PASSWORD}
- WORDPRESS_DB_NAME=wordpress

Environment

Use the following environment to configure the service using the values prepared earlier:

```
# Database Configuration
```

```
DB_USER=wordpress_admin
```

```
# Passwords
```

```
# After the initial setup, the passwords should be saved elsewhere and stack should be re-  
deployed with these settings deleted.
```

```
# Database Passwords
```

```
DB_PASSWORD=
```

Updating

Re-Deploy the Stack

This service has been optimized for running in Docker.

This allows you to [re-deploy the stack through Portainer](#) to download the latest updates.