

Demonstration: How to setup Wordpress in a couple of minutes

In this example, we create a Wordpress web blog using MySQL database, Docker as well as Docker-compose.

1. Create a new directory **wordpress** and move to this new directory. Create an empty **docker-compose.yml** file in it.

```
> mkdir wordpress && cd wordpress  
> touch docker-compose.yml
```

2. Now create the **docker-compose.yml** file step by step. Start initializing the version and the services.

```
version: '3.9'
```

```
services:
```

Then define the first Docker service **db** for the **MySQL** database. This container should have the following properties:

- *Service name:* "db"
- *Used Image:* mysql:5.7
- *Use the following volume:* db_data:/var/lib/mysql
- *Set restart on always*
- *Define and set the following environmental variables:*
 - **MYSQL_ROOT_PASSWORD:** test..123
 - **MYSQL_DATABASE:** wordpress
 - **MYSQL_USER:** wordpress
 - **MYSQL_PASSWORD:** test..345

version: "3.9"

services:

db:

image: mysql:5.7

volumes:

- db_data:/var/lib/mysql

restart: always

environment:

- MYSQL_ROOT_PASSWORD=test..123

- MYSQL_DATABASE=wordpress

- MYSQL_USER=wordpress

- MYSQL_PASSWORD=test..456

3. Then define the second service **wordpress** and set the following parameters:

- *Service **name**: "wordpress"*
- *The container depends on the **MYSQL**-container*
- *Used **Image**: wordpress:latest*
- *Map the internal **port 80** to the **hostport 8000***
- *Set **restart** on **always***
- *Define and set the following **environmental variables**:*
 - **WORDPRESS_DB_HOST**: db:3306
 - **WORDPRESS_DB_USER**: wordpress
 - **WORDPRESS_DB_PASSWORD**: test..345
 - **WORDPRESS_DB_NAME**: wordpress

```
version: "3.9"

services:
  db:
    image: mysql:5.7
    volumes:
      - db_data:/var/lib/mysql
    restart: always
    environment:
      - MYSQL_ROOT_PASSWORD=test..123
      - MYSQL_DATABASE=wordpress
      - MYSQL_USER=wordpress
      - MYSQL_PASSWORD=test..456
  wordpress:
    depends_on:
      - db
    image: wordpress
    ports:
      - "8000:80"
    restart: always
    environment:
      - WORDPRESS_DB_HOST=db:3306
      - WORDPRESS_DB_USER=wordpress
      - WORDPRESS_DB_PASSWORD=test..456
      - WORDPRESS_DB_NAME=wordpress
```

4. Mount the following volume under the service level **db_data**:

```
...
volumes:
  db_data:
```

5. Now start the created Docker-Compose file in **detached** mode

```
> docker-compose up -d
```

6. Open the browser and see the result:

```
https://localhost:8000
```