

# Docker Container

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# Dockge

How to Install Requirements:

Docker 20+ / Podman (Podman only) podman-docker (Debian: apt install podman-docker) OS:  
Major Linux distros that can run Docker/Podman such as: ☐ Ubuntu ☐ Debian (Bullseye or newer)  
☐ Raspbian (Bullseye or newer) ☐ CentOS ☐ Fedora ☐ ArchLinux ☐ Debian/Raspbian Buster or  
lower is not supported ☐ Windows (Will be supported later) Arch: armv7, arm64, amd64 (a.k.a  
x86\_64) Basic Default Stacks Directory: /opt/stacks Default Port: 5001

## Create directories that store your stacks and stores Dockge's stack

```
mkdir -p /opt/stacks /opt/dockge cd /opt/dockge
```

## Download the compose.yaml

```
curl https://raw.githubusercontent.com/louislam/dockge/master/compose.yaml --output  
compose.yaml
```

## Start the server

```
docker compose up -d
```

## If you are using docker-compose V1 or Podman

# docker-compose up -d

Dockge is now running on <http://localhost:5001>

Advanced If you want to store your stacks in another directory, you can generate your compose.yaml file by using the following URL with custom query strings.

## Download your compose.yaml

`curl "https://dockge.kuma.pet/compose.yaml?port=5001&stacksPath=/opt/stacks" --output compose.yaml` port=5001 stacksPath=/opt/stacks Interactive compose.yaml generator is available on: <https://dockge.kuma.pet>

How to Update `cd /opt/dockge` `docker compose pull` && `docker compose up -d`

# Zammad

dsdfdsf

sdfsddfsdfsdfsdf

## Systemvoraussetzungen

- Docker Compose muss auf dem System installiert werden
- 4GB RAM
- Systemeinstellungen müssen wie folgt angepasst werden

```
sysctl -w vm.max_map_count=262144
```

## Installation mit Docker Compose

### GitHub Repo klonen

```
git clone https://github.com/zammad/zammad-docker-compose.git
```

### Adjust Environment as Needed

In some cases our default environment is not what a docker-compose user is looking for. See [Docker Environment Variables](#) for details on which settings can be configured.

If you want to use a `.env` file, you can use the provided `.env.dist` file and copy it to `.env`. That way it will be picked up by Docker-Compose automatically and not overwritten during updates.

Zammad runs on port `8080` by default. If you want to use another port, you can set it via the variable `NGINX_EXPOSE_PORT`.

# Portainer

## Portainer Community Edition (CE)

### Installation

```
docker run -d -p 8000:8000 -p 9443:9443 --name portainer --restart=always -v  
/var/run/docker.sock:/var/run/docker.sock -v portainer_data:/data portainer/portainer-ce
```

### Update

#### 1. Stop Docker Container

```
docker stop portainer
```

#### 2. Remove Docker Container

```
docker rm portainer
```

#### 3. Update Docker Image

```
docker pull portainer/portainer-ce
```

# UniFi Network Application

docker-compose.yaml

```
services:
  # Define the services to run
  db:
    image: mongo
    volumes:
      - ./db:/data/db # MongoDB data persistence
      - ./db/init-mongo.js:/docker-entrypoint-initdb.d/init-mongo.js:ro
    ports:
      - 27017:27017 # MongoDB default port
    restart: always # Restart policy
    networks:
      backend: null
  app:
    image: lscr.io/linuxserver/unifi-network-application # Docker image to use
    environment:
      # Environmental variables for the container
      - PUID=1000 # User ID
      - PGID=1000 # Group ID
      - TZ=Europe/Zurich # Timezone
      - MONGO_HOST=db # MongoDB host
      - MONGO_USER= ${DB_USER} # MongoDB username
      - MONGO_PASS= ${DB_PW} # MongoDB password
      - MONGO_PORT=27017 # MongoDB port
      - MONGO_DBNAME= ${DB_NAME} # MongoDB database name
      - MEM_LIMIT=1024 #optional # Memory limit for the container
      - MEM_STARTUP=1024 #optional # Memory to allocate on container startup
    volumes:
      # Volumes to mount in the container
      - ./web:/config # Map host directory to container directory
    ports:
      # Ports to expose and forward
      - 8443:8443 # HTTPS portal
      - 3478:3478/udp # STUN service
      - 10001:10001/udp # UniFi AP discovery
```

```
- 8080:8080 # HTTP portal
- 6789:6789 #optional # Mobile speed test port
- 161:161/udp #SNMP

restart: always # Restart policy for the container
depends_on:
  - db

networks:
  frontend: null
  backend: null

networks:
  frontend: null
  backend: null
```

.env

```
DB_USER=unifi
DB_PW=password
DB_NAME=unifi_db
```

init-mongo.js

```
db.getSiblingDB("unifi_db").createUser({user: "unifi", pwd: "password", roles: [{role:
"dbOwner", db: "unifi_db"}]});
db.getSiblingDB("unifi_db_stat").createUser({user: "unifi", pwd: "password", roles: [{role:
"dbOwner", db: "unifi_db_stat"}]});
```