

# Installation

## Docker Compose

services:

db:

image: postgres:15

container\_name: mastodon\_db

environment:

POSTGRES\_USER: mastodon

POSTGRES\_PASSWORD: mastodon\_password

POSTGRES\_DB: mastodon\_production

volumes:

- mastodon\_postgres:/var/lib/postgresql/data

redis:

image: redis:7

container\_name: mastodon\_redis

command: ["redis-server", "--save", "60", "1", "--loglevel", "warning"]

volumes:

- mastodon\_redis:/data

web:

image: tootsuite/mastodon:v4.2.0

container\_name: mastodon\_web

depends\_on:

- db

- redis

env\_file: .env

command: bash -c "RAILS\_ENV=production bundle exec rails s -p 3000 -b '0.0.0.0'"

ports:

- "3000:3000"

volumes:

- mastodon\_public:/mastodon/public

restart: always

streaming:

image: tootsuite/mastodon:v4.2.0

container\_name: mastodon\_streaming

depends\_on:

- redis

env\_file: .env

command: npm run start

ports:

- "4000:4000"

restart: always

sidekiq:

image: tootsuite/mastodon:v4.2.0

container\_name: mastodon\_sidekiq

depends\_on:

- db

- redis

env\_file: .env

command: bash -c "RAILS\_ENV=production bundle exec sidekiq"

restart: always

caddy:

image: caddy:latest

container\_name: mastodon\_caddy

ports:

- "80:80"

- "443:443"

volumes:

- ./Caddyfile:/etc/caddy/Caddyfile

- caddy\_data:/data

- caddy\_config:/config

volumes:

mastodon\_postgres:

mastodon\_redis:

mastodon\_public:

caddy\_data:

caddy\_config:

## Create the Caddyfile

```
yourdomain.com {  
  reverse_proxy web:3000  
}  
  
streaming.yourdomain.com {  
  reverse_proxy streaming:4000  
}
```

## Generate Secret

Repeat following command for:

- SECRET\_KEY\_BASE
- OTP\_SECRET

```
docker run --rm tootsuite/mastodon:v4.2.0 bundle exec rake secret
```

Generate VAPID keys:

```
docker run --rm tootsuite/mastodon:v4.2.0 bundle exec rake mastodon:webpush:generate_vapid_key
```

## Configuration

```
# Mastodon Environment Variables  
LOCAL_DOMAIN=domain.com  
SECRET_KEY_BASE=generate_a_secret_key  
OTP_SECRET=generate_an_otp_secret  
VAPID_PRIVATE_KEY=generate_vapid_private_key  
VAPID_PUBLIC_KEY=generate_vapid_public_key  
  
DB_HOST=db
```

```
DB_USER=mastodon
DB_NAME=mastodon_production
DB_PASS=mastodon_password
REDIS_HOST=redis

# SMTP Configuration
SMTP_SERVER=smtp.your-email-provider.com
SMTP_PORT=587
SMTP_LOGIN=your-email@example.com
SMTP_PASSWORD=your-email-password
SMTP_FROM_ADDRESS=Mastodon <notifications@yourdomain.com>
```

# Start Mastodon

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

Revision #5

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