

Preparing to Deploy Everything on AWS

Profiling the Ruby on Rails Application

Edit the Dockerzon environment file

Follow along with the video lecture

Start up everything in daemon mode with Docker Compose

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

Initialize the production database

OSX / Windows users: Do not add the --user flag below

```
docker exec --user "$(id -u):$(id -g)" dockerzon_dockerzon_1 rake db:reset
```

Browse the site to make sure it works (not seeing assets is fine)

<http://localhost:8000>

Using Docker Machine to run Docker? Use the Machine's IP address

```
docker-machine ip default
```

<http://<the output of the above command>:8000>

Check memory and CPU resources on our application

```
docker stats dockerzon_dockerzon_1 dockerzon_sidekiq_1
```

Pull the wrk Docker image to load test the application

```
docker pull williamyeh/wrk
```

Determine your workstation's IP address

Linux

```
hostname -I | cut -d ' ' -f 1
```

OSX or Windows, use your Docker Machine IP address

(New terminal) Run a low connection test on the application

```
docker run --rm williamyeh/wrk -t10 -c50 -d10s \  
http://local_ip_address_on_network_for_linux_or_docker_machine_ip:8000
```

Run a massive connection test on the application

```
docker run --rm williamyeh/wrk -t10 -c5000 -d10s \  
http://local_ip_address_on_network_for_linux_or_docker_machine_ip:8000
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Stop Docker Compose

```
docker-compose stop
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