Brain Fog Blog

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Sommario

# Introduction

The Brain Fog Blog (BFB) is a blog abut technology and generative art.

The main scope of this project is to demonstrate my skills on software engineering.

CAOS TO BE ORGANIZED – how to structure the application

**Main idea**

Angular will be deployed on a dedicated web server on a dedicated docker container.

Spring will be deployed on a dedicated web server with the standard spring boot setup and it will use one docker container.

MySQL will be deployed also on a dedicated docker container.

**Angular And Docker**

Angular And Docker Deployment taken from the following tutorial

https://www.indellient.com/blog/how-to-dockerize-an-angular-application-with-nginx/

Command to build the angular docker image

docker build -t angular-brainfog -f AngularBrainfog.Dockerfile .

Command to start the angular docker image

docker run -d -p 8080:80 angular-brainfog

**Spring Boot And Docker**

<https://spring.io/guides/topicals/spring-boot-docker>

docker build -t springboot-brainfog -f SpringBootBrainfog.Dockerfile .

docker run -d -p 8080:8080 springboot-brainfog

**MySQL and Docker**

The configuration is specified by the docker-compose.yml. For now I’m not using any special configuration.

**Docker Compose**

Start all the applications required by the system: db, application server and web server with the angular application.

Run the following commands from the project folder.

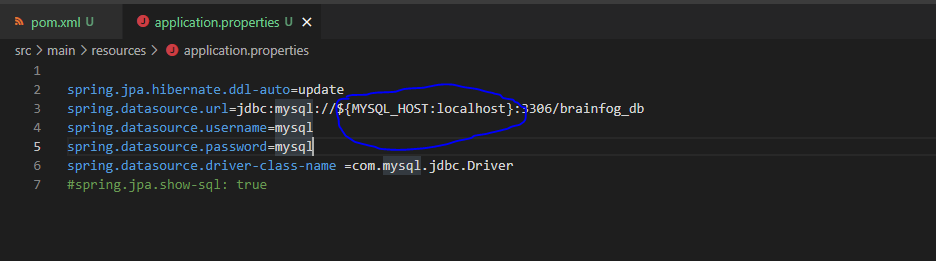
docker-compose build

docker-compose up

The docker compose creates a virtual network.

<https://docs.docker.com/compose/networking/>

In order to make it work there is a special configuration to implement on Spring.



Docker compose configuration

