

**docker file demo**

# docker-compose

What is it?

- docker-compose is a tool for defining, managing and launching services - it provides some level of **Orchestration**
- a service is a set of replicas of a particular docker container
- modelled in YAML-file, defining systems of services and links between them:

```
    a container name -> registry:
build from this Dockerfile location -> build: ./registry
    port mapping -> ports:
                        - "5555:5000"
    container links -> links:
                        - pump:webhookmonitor
    environment -> environment:
                        - COFFEEFINDER_DB_URI=postgresql://postgres:5432/db
                        - COFFEEFINDER_CONFIG=development
                        - SERVICE_NAME=coffee
    pump:
    build: ./pump
    port mapping -> expose:
                        - "8000"
                        links:
                            - elasticsearch:esnode
    elasticsearch:
    image: elasticsearch:1.6
    ports:
        - "9200:9200"
    command: "-Des.http.cors.enabled=true"
```

```
docker build -t <user>/<image>:<tag> <image>
```