Cannot launch up services 1 by 1

That is where docker compose comes in

Define and run multi container docker applications

Configure yml file

Run command

All services in yml file will run

Version: ‘3.7’

Services:

Currency-exchange:

Image: <image name>

Ports

* 8000:8000

Networks:

* Currency-network

Depends\_on:

* Naming-server

Environment:

* Eureka.client.serviceUrl.defaultZone: <http://naming-server:8761/eureka>
* Spring.zipkin.baseurl: http://zipkin-server:9411/

Networks:

Currency-network:

Above is something like what the docker-compose.yml should look like

Then cd into where the docker-compose.yml is

Docker-compose up

Start up all the images that are mentioned in the yml file

Full docker compose file below

|  |
| --- |
| version: '3.7' |
|  |  |
|  | services: |
|  |  |
|  | currency-exchange: |
|  | image: in28min/mmv2-currency-exchange-service:0.0.1-SNAPSHOT |
|  | mem\_limit: 700m |
|  | ports: |
|  | - "8000:8000" |
|  | networks: |
|  | - currency-network |
|  | depends\_on: |
|  | - naming-server |
|  | - rabbitmq |
|  | environment: |
|  | EUREKA.CLIENT.SERVICEURL.DEFAULTZONE: http://naming-server:8761/eureka |
|  | SPRING.ZIPKIN.BASEURL: http://zipkin-server:9411/ |
|  | RABBIT\_URI: amqp://guest:guest@rabbitmq:5672 |
|  | SPRING\_RABBITMQ\_HOST: rabbitmq |
|  | SPRING\_ZIPKIN\_SENDER\_TYPE: rabbit |
|  |  |
|  | currency-conversion: |
|  | image: in28min/mmv2-currency-conversion-service:0.0.1-SNAPSHOT |
|  | mem\_limit: 700m |
|  | ports: |
|  | - "8100:8100" |
|  | networks: |
|  | - currency-network |
|  | depends\_on: |
|  | - naming-server |
|  | - rabbitmq |
|  | environment: |
|  | EUREKA.CLIENT.SERVICEURL.DEFAULTZONE: http://naming-server:8761/eureka |
|  | SPRING.ZIPKIN.BASEURL: http://zipkin-server:9411/ |
|  | RABBIT\_URI: amqp://guest:guest@rabbitmq:5672 |
|  | SPRING\_RABBITMQ\_HOST: rabbitmq |
|  | SPRING\_ZIPKIN\_SENDER\_TYPE: rabbit |
|  |  |
|  | api-gateway: |
|  | image: in28min/mmv2-api-gateway:0.0.1-SNAPSHOT |
|  | mem\_limit: 700m |
|  | ports: |
|  | - "8765:8765" |
|  | networks: |
|  | - currency-network |
|  | depends\_on: |
|  | - naming-server |
|  | - rabbitmq |
|  | environment: |
|  | EUREKA.CLIENT.SERVICEURL.DEFAULTZONE: http://naming-server:8761/eureka |
|  | SPRING.ZIPKIN.BASEURL: http://zipkin-server:9411/ |
|  | RABBIT\_URI: amqp://guest:guest@rabbitmq:5672 |
|  | SPRING\_RABBITMQ\_HOST: rabbitmq |
|  | SPRING\_ZIPKIN\_SENDER\_TYPE: rabbit |
|  |  |
|  | naming-server: |
|  | image: in28min/mmv2-naming-server:0.0.1-SNAPSHOT |
|  | mem\_limit: 700m |
|  | ports: |
|  | - "8761:8761" |
|  | networks: |
|  | - currency-network |
|  |  |
|  | #docker run -p 9411:9411 openzipkin/zipkin:2.23 |
|  |  |
|  | zipkin-server: |
|  | image: openzipkin/zipkin:2.23 |
|  | mem\_limit: 300m |
|  | ports: |
|  | - "9411:9411" |
|  | networks: |
|  | - currency-network |
|  | environment: |
|  | RABBIT\_URI: amqp://guest:guest@rabbitmq:5672 |
|  | depends\_on: |
|  | - rabbitmq |
|  | restart: always #Restart if there is a problem starting up |
|  |  |
|  | rabbitmq: |
|  | image: rabbitmq:3.8.12-management |
|  | mem\_limit: 300m |
|  | ports: |
|  | - "5672:5672" |
|  | - "15672:15672" |
|  | networks: |
|  | - currency-network |
|  |  |
|  |  |
|  | networks: |
|  | currency-network: |