Title: Applications not registering to eureka when using docker-compose Post Body:

I took this example https://github.com/paulc4/microservices-demo and I created 3 docker images from it, with the following Dockerfiles:

springdocker-registration:

FROM openjdk:8-jdk-alpine VOLUME /tmp ADD target/microservice-demo-1.1.0.RELEASE.jar app.jar EXPOSE 1111 ENTRYPOINT exec java

springdocker-accounts:

FROM openjdk:8-jdk-alpine VOLUME /tmp ADD target/microservice-demo-1.1.0.RELEASE.jar app.jar EXPOSE 2222 ENTRYPOINT exec java

springdocker-web:

FROM openjdk:8-jdk-alpine VOLUME /tmp ADD target/microservice-demo-1.1.0.RELEASE.jar app.jar EXPOSE 3333 ENTRYPOINT exec java

If I run the three images separately everything works ok, the web and accounts services register to the registration service (which is an implementation of the eureka registry) and I can use my application. However when using docker-compose with the following docker-compose.yml file

of the edicida registry, and real use my application. However when using decider compose year me

the services web and accounts are not able to register to the registration service. Here are the configuration files for the applications:

version: '3.4' services: registration: image: springdocker-registration ports:

registration-server.yml:

eureka: instance: hostname: localhost client: registerWithEureka: false fetchRegistry: false serviceUrl:

- '1111:1111' accounts:

image: spri

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accounts-server.yml:

spring: application: name: accounts-service freemarker: enabled: false thymeleaf: cache: false

web-server.yml

spring: application: name: web-service freemarker: enabled: false thymeleaf: cache: false

I can post the full console log of docker-compose up but I think this is the interesting point:

1: ERROR RedirectingEurekaHttpClient - Request execution error com.sun.jersey.api.client.ClientHandlerException: java.net.Conn

Accepted Answer:

Since its running in docker, don't use localhost. Docker compose lets you refer to container names.

eureka: client: serviceUrl: defaultZone: http://registration:1111/eureka

Side note: defaultZone must be exact, I spent 2 days wondering why it wouldn't work since intellij auto completes to do default-zone which wont work.

Highest Rated Answer:

For those who are working with docker-compose and if in your services yml file you have the following:

eureka: client: serviceUrl: # Will get overridden in docker-compose defaultZone: http://localhost:1111/eurek

You can override this in your docker-compose file like below while running  ${\tt docker-compose}\ {\tt up}$ 

version: '3.3' services: # Other services registered above web: image: springdocker-web environment: # Important f

Tested on Docker version 19.03.8