

Title: Spring Cloud Config Server not working with Docker compose

Post Body:

I have a spring cloud config server and packaged it as a docker image then I have spring cloud eureka server which is also packaged as docker image.

When I run the two using docker compose I get the following error.

```
discovery-service_1 | 2017-06-24 15:36:12.059 INFO 5 --- [ main] c.c.c.ConfigServicePropertySourceLocator : Fetching
config from server at: http://config-service:9001 discovery-service_1 | 2017-06-24 15:36:12.997 WARN 5 --- [ main]
c.c.c.ConfigServicePropertySourceLocator : Could not locate PropertySource: I/O error on GET request for
'http://config-service:9001/cls-discovery-service/default': Connection refused (Connection refused); nested exception
is java.net.ConnectException: Connection refused (Connection refused)
```

Although the config service is up and running successfully, discover service still does not find it for some reason.

Docker compose file being used here is this

```
version: '2'
services:
  config-service:
    image: cloudsea/cls-config-service
    ports:
      - 9001:9001
    expose:
      - '9001'
  discovery-service:
    image: cloudsea/cls-discovery-service
    depends_on:
      - config-service
    environment:
      CLOUD_SEA_CONFIG_SERVER_URI: http://config-service:9001
      EUREKA_DEFAULT_ZONE_URL: http://discovery-service:8761/eureka/
    ports:
      - 8761:8761
    links:
      - config-service:config-service
```

Below is the **bootstrap.properties** for DISCOVERY SERVICE

```
spring.cloud.config.uri = ${CLOUD_SEA_CONFIG_SERVER_URI:http://localhost:9001}
spring.application.name = ${SPRING_APPLICATION_NAME:cls-discovery-service}
```

Below is the **cls-discovery-service.properties** for DISCOVERY SERVICE located in github.

```
server.port=${SERVER_PORT:8761}
eureka.client.registerWithEureka: false
eureka.client.fetchRegistry: false
eureka.client.serviceUrl.defaultZone: ${EUREKA_DEFAULT_ZONE_URL:http://localhost:8761/eureka/}
eureka.server.eviction-interval-timer-in-ms: 1000
```

I am assuming something is wrong with my docker-compose.yml but I am not sure.

Any help will I am stick in this for hours ... heading close to days :(

Accepted Answer: None

Highest Rated Answer:

I solved it by adding this configuration to the **discovery service's bootstrap.yml**.

```
spring:
  cloud:
    config:
      failFast: true
      retry:
        initialInterval: 3000
        multiplier: 1.3
        maxInterval: 10000
        maxAttempts: 3
```

Then add **spring-boot-starter-aop** and **spring-retry** to the **discovery service's maven dependencies**.

```
<dependency>
  <groupId>org.springframework.boot</groupId>
  <artifactId>spring-boot-starter-aop</artifactId>
  <version>1.5.6.RELEASE</version>
</dependency>
```

The problem is they're both starting at the same time. But the discovery service depends on the config service.

When you start the discovery service, it's going to say '**Fetching config from server**' again and again until config service is up.

After the config service starts, discovery service is going to get its configuration successfully and then it's going to start itself.