

Docker for Local

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- :
- : <https://bluese05.tistory.com/38?category=559611> (Bridge network , overlay network)
 - : [Centralized Configuration](#)

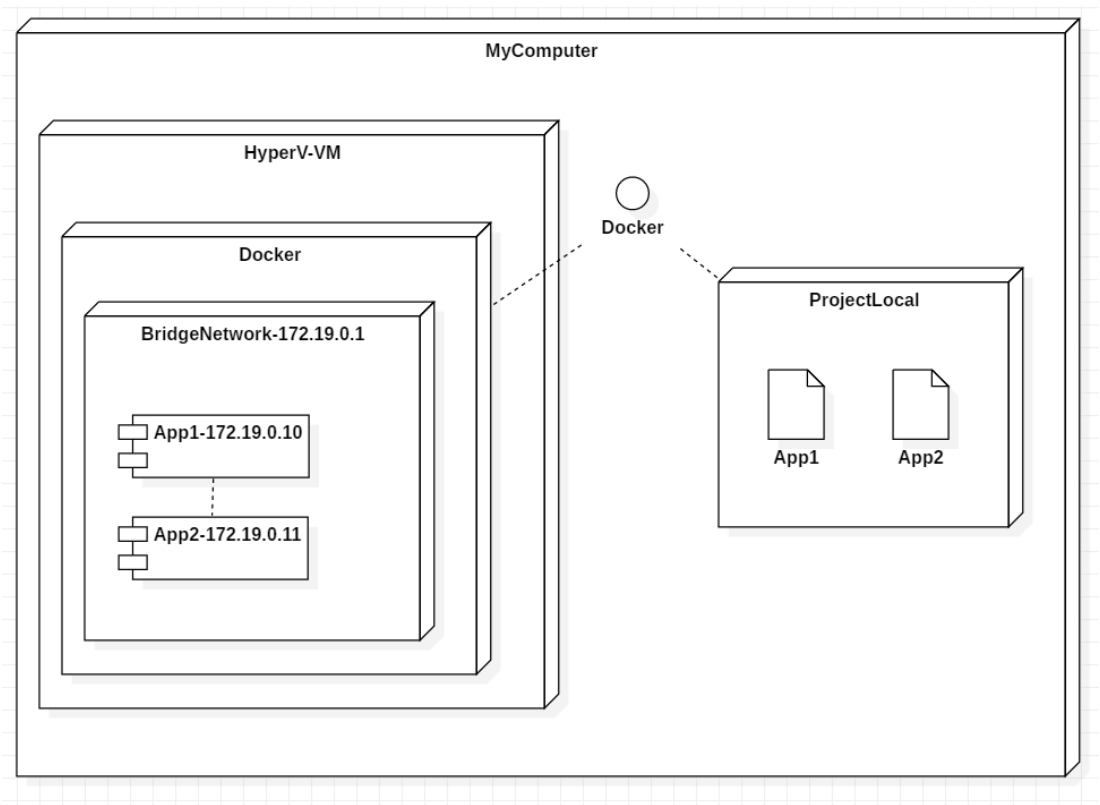
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, AWS .

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DNS , , .

DNS , Overlay Network

. Spring ? .

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Static IP

```
# devnet
docker network create --driver=bridge --subnet=172.19.0.0/16 devnet

#
network ls

#
docker network inspect devnet
# "Subnet": "172.19.0.0/16",
# "Gateway": "172.19.0.1"

#
docker network rm devnet
```

, 172.19.0.2 ~ 172.244.244 .

Subnet 172.19.0.0/16 .

devnet , devnet .

Dockerfile

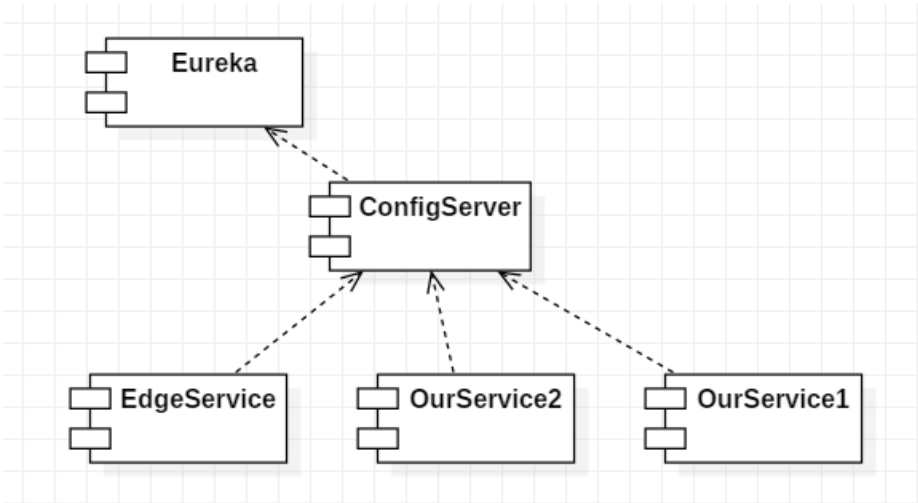
```
FROM openjdk:8-jre-alpine
MAINTAINER wiki.webnori.com
ENV APP_FILE config-service-0.0.1-SNAPSHOT.jar
ENV APP_HOME /usr/apps
COPY target/$APP_FILE $APP_HOME/
WORKDIR $APP_HOME
ENTRYPOINT ["sh", "-c"]
CMD ["exec java -jar $APP_FILE"]
EXPOSE 8888
```

:<https://github.com/psmon/springcloud/tree/master/config-service>

, Dockerfile , .

, Java

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, Spring Cloud . ()

3 Type , (),(ConfigServer)

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Type A :

eureka

```
# .
docker stop eurekal
docker rm eurekal

# , .
docker build -t psmon.eureka .

# . ( : ^ , \ )
docker run --net devnet --ip 172.19.0.31 -it -d -p 8761:8761 -e "SPRING_PROFILES_ACTIVE=dock-local" ^
--hostname 172.19.0.31 ^ --name eurekal psmon.eureka
```

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. 8761():8761()

() . .

- --net :
- --ip :
- --hostname : hostname (,)
- -p : , host port
- -e : ()

Type B :

configservice

```
# .
docker stop configservice
docker rm configservice

# , .
docker build -t psmon.configservice .

# . ( : ^ , \ )
docker run --net devnet --ip 172.19.0.30 -it -d -p 8888:8888 -e "SPRING_PROFILES_ACTIVE=dock-local" ^
-e "SPRING_CLOUD_CONFIG_SERVER_GIT_URI=https://github.com/psmon/mycloudconfig.git" ^
-e "SERVICE_URL_DEFAULT_ZONE=http://172.19.0.31:8761/eureka/" ^
--hostname 172.19.0.30 ^
-e "MY_HOST_IP=172.19.0.30" --name configservice psmon.configservice
```

, git

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TypeC :

edgeservice

```
docker stop edgeservice
docker rm edgeservice
docker build -t psmon.edgeservice .

docker run --net devnet --ip 172.19.0.32 -it -d -p 80:8888 -e "SPRING_PROFILES_ACTIVE=dock-local" ^
--hostname 172.19.0.30 ^
-e "SPRING_CLOUD_CONFIG_URI=http://172.19.0.30:8888" --name edgeservice psmon.edgeservice
```

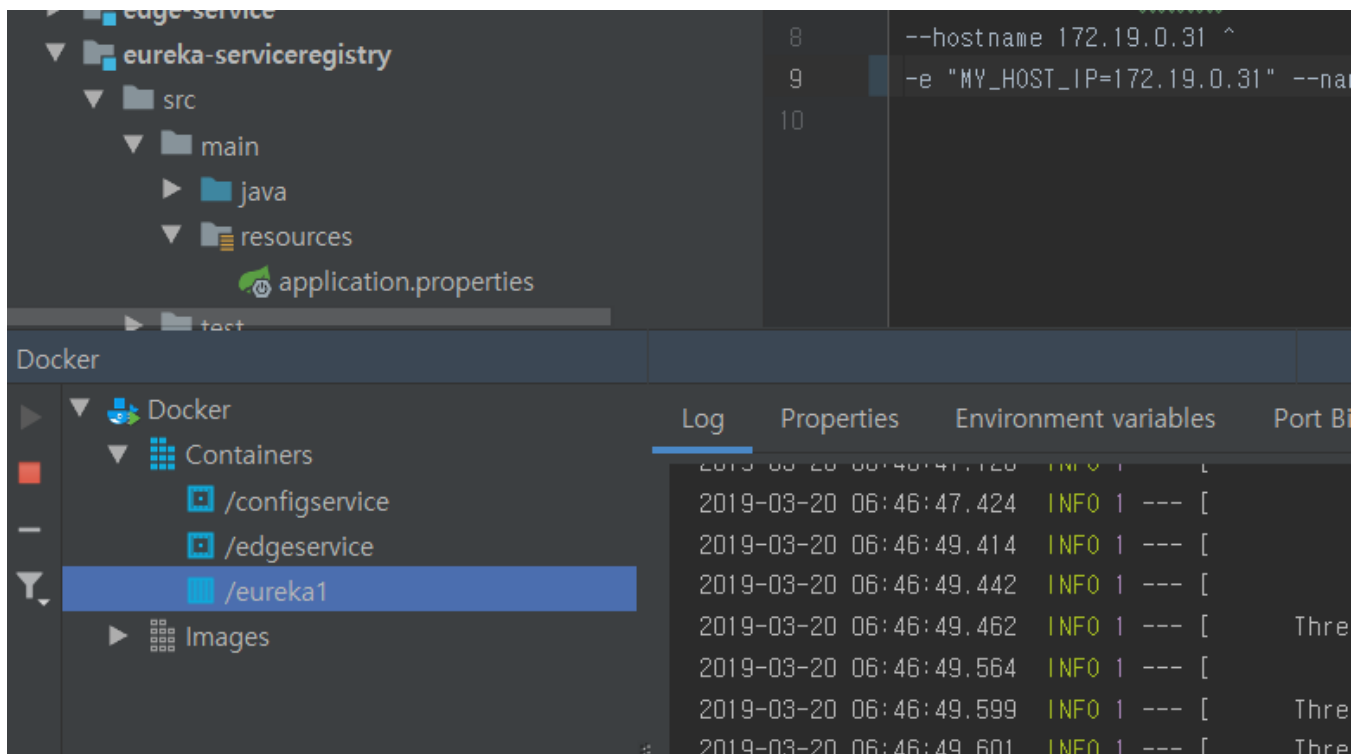
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. .. .

. Java

... (git) Spring Cloud Config .

IntelliJ Docker



, IDE .
 . .()
 IDE ? .

application.properties
<pre>spring.application.name=eureka server.port=8761 eureka.client.register-with-eureka=false eureka.client.fetch-registry=false eureka.instance.preferIpAddress=true</pre>

ip , .

url : <http://localhost:8761/>

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
CONFIGSERVICE	n/a (1)	(1)	UP (1) - 172.19.0.30:configservice:8888
EDGESERVICE	n/a (1)	(1)	UP (1) - 172.19.0.32:edgeservice
EUREKA	n/a (1)	(1)	UP (1) - 172.19.0.31:eureka:8761

General Info

Name	Value
total-avail-memory	223mb
environment	localdev
num-of-cpus	2

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, Type3
api edgeservice(zullu)-nginx
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• : Centralized Configuration
• : Discovery Service - Eureka
• : EdgeService-Zulu
• : https://github.com/psmon/springcloud/blob/master/lobbyapi/src/test/java/com/webnori/psmon/cloudspring/lobbyapi/LobbyapiApplicationTests.java
:
• ,
• db
• OverLay
•
```