

第二部分部署天气服务:

环境台 2 阿里云: A: <http://39.108.160.89:8090>, B: <http://112.74.166.171:8090>

服务包括:

([ServerEureka](#), [weatherCity](#), [weatherCollection](#), [weatherData](#), [weatherReport](#), [zuul](#))

1. 其中 [ServerEureka](#) 部署再 A, B 各一台。

Mvn shell: `cd /var/jenkins_home/workspace/ServerEureka` //到该目录

下 ServerEureka 代表你所在 jenkins 上创建的项目

`mvn clean package -Dmaven.test.skip=true` 打包成. jar

`cd /var/jenkins_home/workspace/ServerEureka/target`

`mv demo0-0-0.0.1-SNAPSHOT.jar ServerEureka-0.0.1-SNAPSHOT.jar` //重命名
可做可不做的

```
执行 shell

命令 cd /var/jenkins_home/workspace/ServerEureka

mvn clean package -Dmaven.test.skip=true
cd /var/jenkins_home/workspace/ServerEureka/target
mv demo0-0-0.0.1-SNAPSHOT.jar ServerEureka-0.0.1-SNAPSHOT.jar
```

构建的 shell 为:

`cd /usr/local/images`//到 A 虚拟机此目录下 (这个目录下存在 dockerfile)

`docker rm -f servereureka`//去除以前创建的该容器, 否则会因为重命名启动失败

`docker rm $(sudo docker ps -a -q)`//去除没有运行的容器, 否则会因为重命名启动失败

`docker rmi -f servereureka`//删除上次构建的容器, 否则会因为重命名多出来

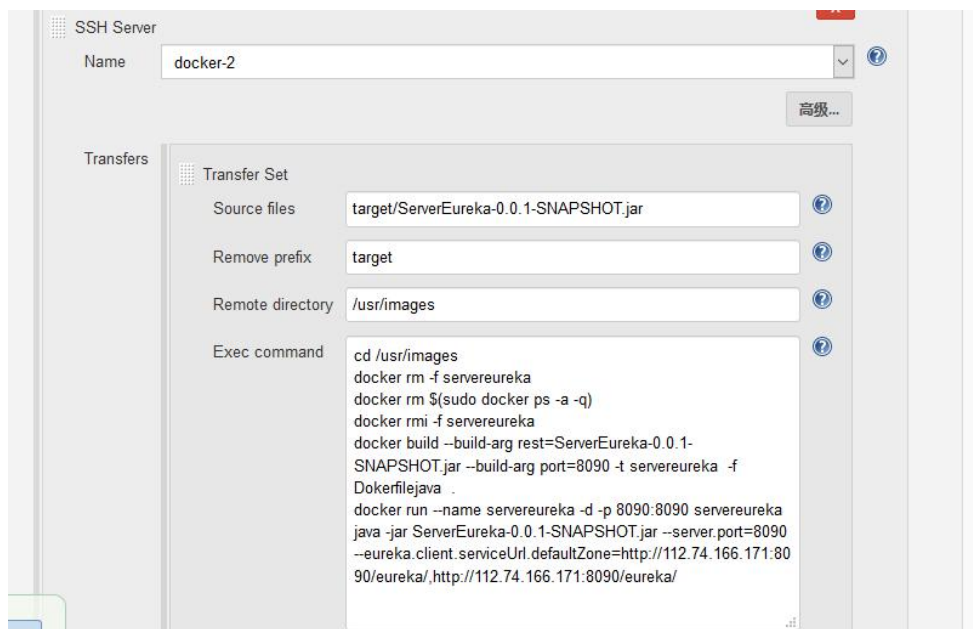
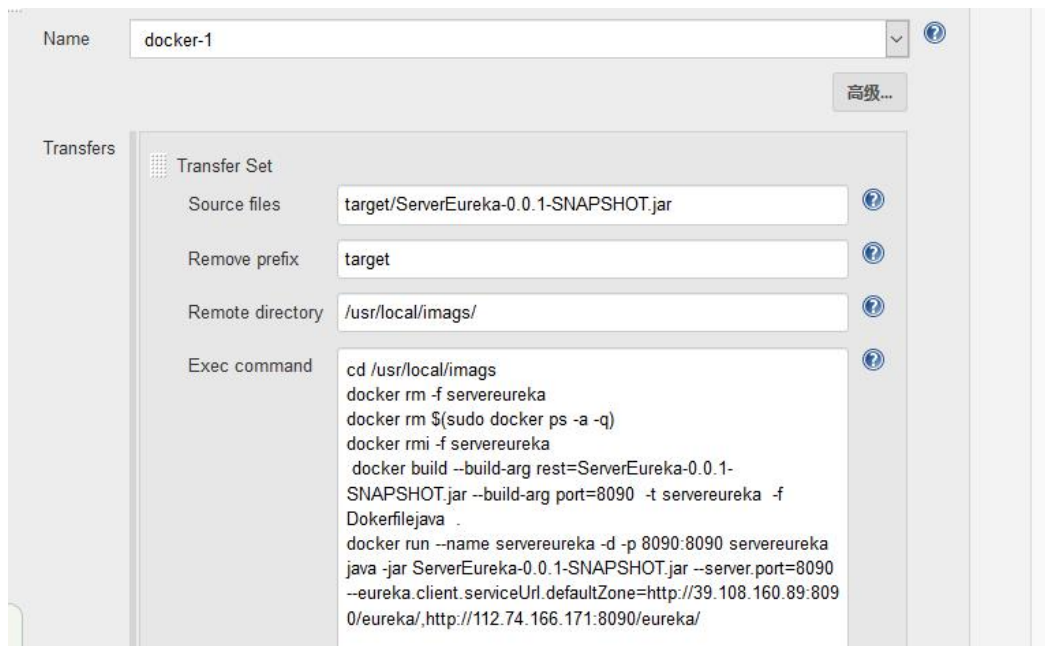
`docker build --build-arg rest=ServerEureka-0.0.1-SNAPSHOT.jar`

`--build-arg port=8090 -t servereureka -f Dockerfilejava .`//构建容器

`docker run --name servereureka -d -p 8090:8090 servereureka java -jar`

`ServerEureka-0.0.1-SNAPSHOT.jar--server.port=8090`

`--eureka.client.serviceUrl.defaultZone=http://39.108.160.89:8090/eureka/,http://112.74.166.171:8090/eureka`///启动容器, 并传入参数。



Dockerfilejava 的内容如下:

FROM jdk1.8

ARG rest

MAINTAINER zlw

COPY \$rest /user/local // rest 是参数在构建的时候传入表示将 xxxx.jar 复制到该容器中
WORKDIR /user/local

EXPOSE \$port //port 是参数, 表示将该容器的某各端口暴露, 这个要与你运行的 xxx.jar 的
端口一致

ENV JAVA_HOME=/user/local/jdk1.8.0_171

ENV JRE_HOME=/user/local/jdk1.8.0_171/jre

ENV PATH=\$PATH:\$JAVA_HOME/bin:\$JRE_HOME/bin

ENV CLASSPATH=.:\$JAVA_HOME/lib/dt.jar:\$JAVA_HOME/lib/tools.jar:\$JRE_HOME/lib

ENV export JAVA_HOME JRE_HOME PATH CLASSPATH

CMD ["top"]

其余脚本均差不多。

[weatherCity](#), [weatherCollection](#), [weatherData](#) 在每 2 台机器上各有一个。

[weatherReport](#), [zuul](#), 只部署了一个。

一台阿里云最多部署 5-6 个容器, 否则在构建过程中 Jenkins 会崩溃或者构建后有些容器会自动崩溃。

A: 服务器

```
4405ecf21768/servereureka "java -jar ServerEur..." 47 seconds ago Up 46 seconds 0.0.0.0:8090->8090/tcp servereureka
1ea418429e3f/zuul "java -jar zuul-0.0..." About an hour ago Up About an hour 0.0.0.0:8091->8091/tcp zuul
c23a89be6275/weatherdata "java -jar weatherda..." About an hour ago Up About an hour 0.0.0.0:8094->8094/tcp weatherdata
e6f1d41b159/weathercollection "java -jar weatherco..." About an hour ago Up About an hour 0.0.0.0:8093->8093/tcp weathercollection
0c83b714f84a/weathercity "java -jar weatherci..." About an hour ago Up About an hour 0.0.0.0:8092->8092/tcp weathercity
[root@izwz97dqy477zmycl9p4j2z ~]#
```

www.mengzuo.xin:8090

DS Replicas

39.108.160.89

112.74.166.171

Instances currently registered with Eureka

| Application | AMIs | Availability Zones | Status |
|---|---------|--------------------|--|
| EUREKASERVER0-0 | n/a (2) | (2) | UP (2) - 972f14cd940a:eurekaserver0-0:8090, 4d05ecf21768:eurekaserver0-0:8090 |
| MSA-WEATHER-CITY-EUREKA | n/a (2) | (2) | UP (2) - 0c83b714f84a:msa-weather-city-eureka:8092, e78b707aa149:msa-weather-city-eureka:8092 |
| MSA-WEATHER-COLLECTION-EUREKA-FEIGN | n/a (2) | (2) | UP (2) - 3ca2dad61b96:msa-weather-collection-eureka-feign:8093, e6f1d41b159:msa-weather-collection-eureka-feign:8093 |
| MSA-WEATHER-DATA-EUREKA | n/a (2) | (2) | UP (2) - 5279ee773c9b:msa-weather-data-eureka:8094, c23a89be6275:msa-weather-data-eureka:8094 |
| MSA-WEATHER-EUREKA-CLIENT-ZUUL | n/a (1) | (1) | UP (1) - 1ea418429e3f:msa-weather-eureka-client-zuul:8091 |
| MSA-WEATHER-REPORT-EUREKA-FEIGN-GATEWAY-HYSTRIX | n/a (1) | (1) | UP (1) - f83236bef65c:msa-weather-report-eureka-feign-gateway-hystrix:8095 |

B:服务器

```
972f14cd940a/servereureka "java -jar ServerEur..." 6 seconds ago Up 5 seconds 0.0.0.0:8090->8090/tcp servereureka
e83236bef65c/weatherreport "java -jar weatherre..." 37 minutes ago Up 37 minutes 0.0.0.0:8095->8095/tcp weatherrep
c23a89be6275/weatherdata "java -jar weatherda..." About an hour ago Up About an hour 0.0.0.0:8094->8094/tcp weatherdat
3ca2dad61b96/weathercollection "java -jar weatherco..." About an hour ago Up About an hour 0.0.0.0:8093->8093/tcp weathercol
e78b707aa149/weathercity "java -jar weatherci..." About an hour ago Up About an hour 0.0.0.0:8092->8092/tcp weathercit
jenkins/jenkins:lts "/sbin/tini -- /usr/..." 13 days ago Up 16 hours 0.0.0.0:8080->8080/tcp, 0.0.0.0:50000->50000/tcp unruffled_
chaplugin
[root@izwz9e5jfeillnood20vp8wz ~]#
```

112.74.166.171

Instances currently registered with Eureka

| Application | AMIs | Availability Zones | Status |
|---|---------|--------------------|--|
| EUREKASERVER0-0 | n/a (2) | (2) | UP (2) - 972f14cd940a:eurekaserver0-0:8090, 4d05ecf21768:eurekaserver0-0:8090 |
| MSA-WEATHER-CITY-EUREKA | n/a (2) | (2) | UP (2) - 0c83b714f84a:msa-weather-city-eureka:8092, e78b707aa149:msa-weather-city-eureka:8092 |
| MSA-WEATHER-COLLECTION-EUREKA-FEIGN | n/a (2) | (2) | UP (2) - 3ca2dad1b96:msa-weather-collection-eureka-feign:8093, e6f1d414b159:msa-weather-collection-eureka-feign:8093 |
| MSA-WEATHER-DATA-EUREKA | n/a (2) | (2) | UP (2) - 5279ee773c9b:msa-weather-data-eureka:8094, c23a89be6275:msa-weather-data-eureka:8094 |
| MSA-WEATHER-EUREKA-CLIENT-ZUUL | n/a (1) | (1) | UP (1) - 1ea418429e3f:msa-weather-eureka-client-zuul:8091 |
| MSA-WEATHER-REPORT-EUREKA-FEIGN-GATEWAY-HYSTRIX | n/a (1) | (1) | UP (1) - f83236bef65c:msa-weather-report-eureka-feign-gateway-hystrix:8095 |

General Info

未解决的问题：每个部署后单独访问没有问题，并且在本地部署后没问题，但在线上部署后访问会出现下面的问题：

Whitelabel Error Page

This application has no explicit mapping for /error, so you are seeing this as a fallback.

Tue Apr 09 07:11:49 UTC 2019

There was an unexpected error (type=Internal Server Error, status=500).

GENERAL

怀疑 1：Eureka 注册与发现不可用。

写了一个小 demo，2 个微服务在本地运行，一个注册在阿里云的 Eureka 上，另一个从 Eureka 上发现服务并调用，可以成功调用。

被调用的服务：部分代码如下：

```

1 package xin.mengzuo.business;
2
3 import org.springframework.boot.SpringApplication;
4 @EnableDiscoveryClient
5 @SpringBootApplication
6 public class CustomerApplication {
7
8     public static void main(String[] args) {
9
10         SpringApplication.run(CustomerApplication.class, args);
11     }
12 }
13
14 }
15

```

```

2
3*import org.springframework.web.bind.annotation.RequestMapping;
4
5 @RestController
6 public class HelloContrller {
7     @RequestMapping("/hello")
8     public String hello() {
9         return "hello world";
10    }
11 }
12 }
13

```

配置文件:

```

application.properties application.properties RegisterFeign.java CustomerApplication.java HelloContrller.java
1 server.port=8081
2 spring.application.name=customer
3
4 eureka.client.serviceUrl.defaultZone=http://112.74.166.171:8090/eureka/,http://112
5

```

去调用的服务部分源代码如下:

```

application... application... RegisterFeign... CustomerApplic... HelloContrlle... Application...
1 package xin.menuzo;
2
3*import org.springframework.boot.SpringApplication;
4
5 @EnableFeignClients
6 @EnableDiscoveryClient
7 @SpringBootApplication
8 public class Application {
9
10    public static void main(String[] args) {
11        SpringApplication.run(Application.class, args);
12    }
13 }
14
15

```

```

10
11
12 @FeignClient(value="customer",fallback=RegisterFeignImp.class)
13 public interface RegisterFeign {
14
15    @RequestMapping(value="/hello")
16    public String hello();
17 }
18

```

```
@RequestMapping(value = "/hello", method = RequestMethod.GET)
public String hello() {

    return refe.hello();
}
```



```
1 server.port=8080
2 spring.application.name=customer-web
3
4 eureka.client.serviceUrl.defaultZone=http://112.74.166.171:8090/eureka/,http://1
```

结果：如下图



怀疑 2:网上部署存在权限问题