

# Day6 CSE实战之开发网关

## 1 打卡任务

作业：

- 1、使用DefaultEdgeDispatcher开发一个EdgeService网关服务

打卡：

- 1、通过EdgeService成功调用consumer和provider服务并截图。

打卡任务基于Day5打卡作业的demo项目：



## 2 准备工作

- 1、正常运行Day5的demo

## 3 开发 EdgeService 网关服务

- 1、在创建一个EdgeService的maven工程，pom文件配置如下：

```

<properties>
  <cse.version>2.3.62</cse.version>
  <main.class>microservice.demo.training21days.consumer.AppMain</main.class>
</properties>

<dependencyManagement>
  <dependencies>
    <dependency>
      <groupId>com.huawei.paas.cse</groupId>
      <artifactId>cse-dependency</artifactId>
      <version>${cse.version}</version>
      <type>pom</type>
      <scope>import</scope>
    </dependency>
  </dependencies>
</dependencyManagement>

<dependencies>
  <dependency>
    <groupId>com.huawei.paas.cse</groupId>
    <artifactId>cse-solution-service-engine</artifactId>
  </dependency>
  <dependency>
    <groupId>org.apache.servicecomb</groupId>
    <artifactId>edge-core</artifactId>
  </dependency>
</dependencies>

```

## 2、定义一个main类

```

package microservice.demo.training21days.edge;

import org.apache.servicecomb.foundation.common.utils.BeanUtils;
import org.apache.servicecomb.foundation.common.utils.Log4jUtils;

public class AppMain {
  public static void main(String[] args) throws Exception {
    Log4jUtils.init();
    BeanUtils.init();
  }
}

```

## 3、配置一份microservice.yaml文件

```
APPLICATION_ID: Training21Days-HelloWorld
service_description:
  name: edge
  version: 0.0.1
cse:
  service:
    registry:
      address: https://cse.cn-north-1.myhuaweicloud.com:443
      instance:
        watch: false
    config:
      client:
        serverUri: https://cse.cn-north-1.myhuaweicloud.com:443
        refreshMode: 1
        refresh_interval: 5000
    monitor:
      client:
        serverUri: https://cse.cn-north-1.myhuaweicloud.com:443
  rest:
    address: 0.0.0.0:8000

  credentials:
    accessKey: your ak
    secretKey: your sk
    project: cn-north-1
    akskCustomCipher: default

  http:
    dispatcher:
      edge:
        default: ..... # 使用DefaultEdgeDispatcher开发网关服务
        enabled: true ..... # 开启DefaultEdgeDispatcher
        prefix: rest ..... # 匹配请求路径前缀为/rest
        # withVersion默认值就是true, 这里只是展示一下, 实际上可以省略该配置
        withVersion: true ..... # 请求带版本号, 例如v1表示[1.0.0,2.0.0)范围内的微服务版本
        # prefixSegmentCount默认值就是1, 这里只是展示一下, 实际上可以省略该配置
        prefixSegmentCount: 1 ..... # 前缀长度, 例如/rest/provider/v0/hello/Bob, 去掉第一段, 将/p
```

4、启动edge/consumer/provider三个服务，通过edge调用consumer和provider

## 4 打卡截图

1、通过edge调用provider服务

GET 127.0.0.1:8000/rest/provider/v0/hello/Bob

Body Cookies Headers (2) Test Results

Pretty Raw Preview JSON ↻

1 "Hello Bob"

2、通过edge调用consumer服务

GET 127.0.0.1:8000/rest/consumer/v0/hello?name=Bob

Body Cookies Headers (2) Test Results

Pretty Raw Preview JSON ↻

1 "Hello Bob"

参考答案:

