

docker启动zookeeper

```
1 docker run --name zookeeper -p 2181:2181 --restart always -d zookeeper
```

启动dubbo provider和consumer服务

```
邬锦华
@Component
@dubboService(version = "1.0.0", interfaceClass = TestService.class)
public class TestServiceImpl implements TestService {
    邬锦华
    ... @Override
    ... public String sel() { return "我是dubbo提供者1"; }

    邬锦华
    ... @Override
    ... public String pay() { return "我是dubbo提供者2"; }
}
```

```
Controller.java application.yml DubboConsumerApplication.java
@Controller
public class TestController {
    2 个用法
    ... @DubboReference(version = "1.0.0")
    ... TestService testService;

    邬锦华
    ... @GetMapping("test1")
    ... public String testDubbo() { return testService.sel(); }

    邬锦华
    ... @GetMapping("test2")
    ... public String demo() { return testService.pay(); }
}
```

查看zookeeper注册中心，服务已经注册到注册中心

zookeeper zookeeper
RUNNING

Logs

Inspect

Terminal

Stats

Open in external terminal

[zk: localhost:2181(CONNECTED) 22] ls -R /
/
/dubbo
/zookeeper
/dubbo/metadata
/dubbo/org.apache.dubbo.monitor.MonitorService
/dubbo/org.example.service.TestService
/dubbo/metadata/org.example.service.TestService
/dubbo/metadata/org.example.service.TestService/1.0.0
/dubbo/metadata/org.example.service.TestService/1.0.0/consumer
/dubbo/metadata/org.example.service.TestService/1.0.0/provider
/dubbo/metadata/org.example.service.TestService/1.0.0/consumer/duboo-consumer-service
/dubbo/metadata/org.example.service.TestService/1.0.0/provider/duboo-provider-service
/dubbo/org.apache.dubbo.monitor.MonitorService/configurators
/dubbo/org.apache.dubbo.monitor.MonitorService/consumers
/dubbo/org.apache.dubbo.monitor.MonitorService/providers
/dubbo/org.apache.dubbo.monitor.MonitorService/routers
/dubbo/org.apache.dubbo.monitor.MonitorService/consumers/consumer%3A%2F%2F192.168.0.103%2Forg.apache.dubbo.monitor.MonitorService%3Fapplication%3Dduboo-consumer-service%26category%3Dconsumers%26check%3Dfalse%26dubbo%3D2.0.2%26interface%3Dorg.apache.dubbo.monitor.MonitorService%26pid%3D89452%26qos.enable%3Dfalse%26release%3D2.7.8%26timestamp%3D1670768156853
/dubbo/org.apache.dubbo.monitor.MonitorService/consumers/consumer%3A%2F%2F192.168.0.103%2Forg.apache.dubbo.monitor.MonitorService%3Fapplication%3Dduboo-provider-service%26category%3Dconsumers%26check%3Dfalse%26dubbo%3D2.0.2%26interface%3Dorg.apache.dubbo.monitor.MonitorService%26pid%3D89280%26qos.enable%3Dfalse%26release%3D2.7.8%26timestamp%3D1670768039303
/dubbo/org.example.service.TestService/configurators
/dubbo/org.example.service.TestService/consumers
/dubbo/org.example.service.TestService/providers
/dubbo/org.example.service.TestService/routers
/dubbo/org.example.service.TestService/consumers/consumer%3A%2F%2F192.168.0.103%2Forg.example.service.TestService%3Fapplication%3Dduboo-consumer-service%26category%3Dconsumers%26check%3Dfalse%26dubbo%3D2.0.2%26init%3Dfalse%26interface%3Dorg.example.service.TestService%26metadata-type%3Dremote%26methods%3Dpay%2Csel%26pid%3D89452%26qos.enable%3Dfalse%26release%3D2.7.8%26revision%3D1.0.0%26side%3Dconsumer%26sticky%3Dfalse%26timestamp%3D1670768156838%26version%3D1.0.0
/dubbo/org.example.service.TestService/providers/dubbo%3A%2F%2F192.168.0.103%3A20080%2Forg.example.service.TestService%3Fanyhost%3Dtrue%26application%3Dduboo-provider-service%26deprecated%3Dfalse%26dubbo%3D2.0.2%26dynamic%3Dtrue%26generic%3Dfalse%26interface%3Dorg.example.service.TestService%26metadata-type%3Dremote%26methods%3Dpay%2Csel%26pid%3D89280%26release%3D2.7.8%26revision%3D1.0.0%26service.filter%3DglobalDubboFilter%26side%3Dprovider%26timestamp%3D1670768039241%26version%3D1.0.0
/zookeeper/config
/zookeeper/quota
[zk: localhost:2181(CONNECTED) 23] get /dubbo/org.example.service.TestService/consumers
127.0.0.1
[zk: localhost:2181(CONNECTED) 24] get /dubbo/metadata/org.example.service.TestService/1.0.0/consumer/duboo-consumer-service
{\"init\":\"false\",\"side\":\"consumer\",\"release\":\"2.7.8\",\"methods\":\"pay,sel\",\"dubbo\":\"2.0.2\",\"monitor\":\"dubbo%3A%2F%2Flocalhost%3A2181%2Forg.apache.dubbo.registry.RegistryService%3Fapplication%3Dduboo-consumer-service%26dubbo%3D2.0.2%26pid%3D89452%26protocol%3Dregistry%26qos.enable%3Dfalse%26refer%3Dapplication%253Dduboo-consumer-service%2526dubbo%253D2.0.2%2526interface%253Dorg.apache.dubbo.monitor.MonitorService%2526pid%253D89452%2526qos.enable%253Dfalse%2526register.ip%253D192.168.0.103%2526release%253D2.7.8%2526timestamp%253D1670768156853%26registry%3Dzookeeper%26release%3D2.7.8%26timestamp%3D1670768156852\",\"interface\":\"org.example.service.TestService\",\"version\":\"1.0.0\",\"qos.enable\":\"false\",\"revision\":\"1.0.0\",\"metadata-type\":\"remote\",\"application\":\"duboo-consumer-service\",\"sticky\":\"false\"}
[zk: localhost:2181(CONNECTED) 25]

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🗑️

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调用consumer服务，正确返回provider服务返回的结果

← → ↺

localhost:8002/test1

我是dubbo提供者1

← → ↺

localhost:8002/test2

我是dubbo提供者2