

一、安装zookeeper

```
1 #下载zookeeper镜像
2 docker pull zookeeper
3 #启动zookeeper镜像
4 docker run --name zk01 -p 2181:2181 --restart
  always -d zookeeper
5
```

二、POM依赖

```
1      <!-- 引入dubbo和zk客户端依赖 -->
2      <dependency>
3          <groupId>com.alibaba.boot</groupId>
4          <artifactId>dubbo-spring-boot-
starter</artifactId>
5          <version>0.1.0</version>
6      </dependency>
7      <!--
https://mvnrepository.com/artifact/com.github.sg
roschupf/zkclient -->
8      <dependency>
9
10     <groupId>com.github.sgroschupf</groupId>
11         <artifactId>zkclient</artifactId>
12         <version>0.1</version>
        </dependency>
```

三、provider

1.配置文件

```
1 #项目名称
2 dubbo.application.name=provider-ticket
3 #注册中心地址
4 dubbo.registry.address=zookeeper://47.105.103.45:
  2181
5 #扫描的service包
6 dubbo.scan.base-
  packages=com.haoge.dubbo.ticket.service
```

2.service

```
1 //接口
2 public interface TicketService {
3     public String getTicket();
4 }
```

```
1 //接口实现
2 //使用service注解将服务发布到注册中心中去
3 @Service//com.alibaba.dubbo.config.annotation.Ser
  vice
4 @Component
5 public class TicketServiceImpl implements
  TicketService{
6     public String getTicket() {
7         return "第一部电影";
8     }
9 }
```

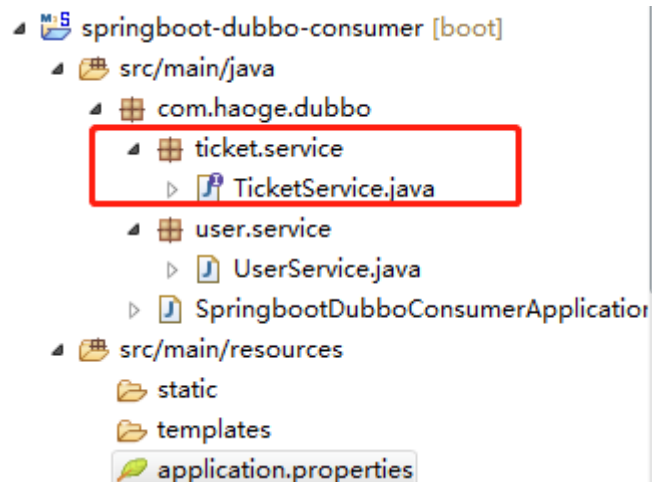
四、consumer

1.配置文件

```
1 dubbo.application.name=consumer-user
2 dubbo.registry.address=zookeeper://47.105.103.45:2181
```

2.引用提供者

即将提供者接口也在consumer项目中拷贝一份，企业开发中可以将提供者接口做成API



3.consumer代码

```
1 @Service
2 public class UserService {
3     @Reference//引用ticketService
4     TicketService ticketService;
5     public void hello() {
6         System.out.println("买到票
7         了:"+ticketService.getTicket());
8     }
9 }
```

4.测试代码

```
1 @RunWith(SpringRunner.class)
2 @SpringBootTest
3 public class
4     SpringbootDubboConsumerApplicationTests {
5
6     @Autowired
7     UserService userService;
8
9     @Test
10    public void contextLoads() {
11        userService.hello();
12    }
13 }
```

