**项目模块简介**

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| 名称 | 介绍 | 说明 |
| config-server | 远程配置管理服务 | spring cloud config配置中心，演示基本的config功能 |
| erureka-server | cloud微服务注册中心 | 基于REST的定位服务，以实现云端中间层服务发现和故障转移 |
| mall-portal | mall商城入口服务 | 用于演示 feign+ribbon+hystrix+zuul 等组件基本的使用和配置 |
| service-member | mall会员微服务(仅演示) | SpringBoot+MybatisPlus框架的业务模块微服务，可随意扩展重建，  附带feign+config+bus等组件的演示，  整合Redis+RabbitMQ中间件的基本使用 |
| service-order | mall订单微服务(仅演示) | SpringBoot+MybatisPlus框架的业务模块微服务，可随意扩展重建，  附带feign+config+bus等组件的演示，  整合Redis+RabbitMQ中间件的基本使用 |
| service-product | mall商品微服务(仅演示) | SpringBoot+MybatisPlus框架的业务模块微服务，可随意扩展重建，  附带feign+config+bus等组件的演示，  整合Redis+RabbitMQ中间件的基本使用 |

**Docker容器中间件部署**

Mysql

docker pull mysql:5.7

sudo docker run --name pwc-mysql -e MYSQL\_ROOT\_PASSWORD=root -p 3306:3306 -d mysql:5.7

Redis

docker pull redis:3.2

docker run -p 6379:6379 --name redis -v /etc/localtime:/etc/localtime:ro -v /mnt/docker/redis/data:/data -d redis:3.2

Rabbitmq

docker pull rabbitmq:management

docker run -p 5672:5672 -p 15672:15672 --name rabbitmq -v /etc/localtime:/etc/localtime:ro -d rabbitmq:management

Service启动后的测试地址

#erureka-server

<http://localhost:1001/>

#config-server

[http://](http://192.168.0.146:2001/service-member-dev.yml)[localhost](http://192.168.0.146:3001/)[:2001/service-member-dev.yml](http://192.168.0.146:2001/service-member-dev.yml)

[http://](http://192.168.0.146:2001/service-member-test.yml)[localhost](http://192.168.0.146:3001/)[:2001/service-member-test.yml](http://192.168.0.146:2001/service-member-test.yml)

[http://](http://192.168.0.146:2001/service-member-prd.yml)[localhost](http://192.168.0.146:3001/)[:2001/service-member-prd.yml](http://192.168.0.146:2001/service-member-prd.yml)

[http://](http://192.168.0.146:2001/service-product-dev.yml)[localhost](http://192.168.0.146:3001/)[:2001/service-product-dev.yml](http://192.168.0.146:2001/service-product-dev.yml)

[http://](http://192.168.0.146:2001/service-product-test.yml)[localhost](http://192.168.0.146:3001/)[:2001/service-product-test.yml](http://192.168.0.146:2001/service-product-test.yml)

[http://](http://192.168.0.146:2001/service-product-prd.yml)[localhost](http://192.168.0.146:3001/)[:2001/service-product-prd.yml](http://192.168.0.146:2001/service-product-prd.yml)

[http://](http://192.168.0.146:2001/service-order-dev.yml)[localhost](http://192.168.0.146:3001/)[:2001/service-order-dev.yml](http://192.168.0.146:2001/service-order-dev.yml)

[http://](http://192.168.0.146:2001/service-order-test.yml)[localhost](http://192.168.0.146:3001/)[:2001/service-order-test.yml](http://192.168.0.146:2001/service-order-test.yml)

[http://](http://192.168.0.146:2001/service-order-prd.yml)[localhost](http://192.168.0.146:3001/)[:2001/service-order-prd.yml](http://192.168.0.146:2001/service-order-prd.yml)

[http://](http://192.168.0.146:2001/actuator/bus-refresh)[localhost](http://192.168.0.146:3001/)[:2001/actuator/bus-refresh](http://192.168.0.146:2001/actuator/bus-refresh) POST

#service-member

[http://](http://192.168.5.20:8001/profile)[localhost](http://192.168.0.146:3001/)[:8001/profile](http://192.168.5.20:8001/profile)

[http://](http://192.168.5.20:8001/api/user?username=baicai)[localhost](http://192.168.0.146:3001/)[:8001/api/user?username=baicai](http://192.168.5.20:8001/api/user?username=baicai)

[http://](http://192.168.5.20:8001/api/user/cache?username=baicai)[localhost](http://192.168.0.146:3001/)[:8001/api/user/cache?username=baicai](http://192.168.5.20:8001/api/user/cache?username=baicai)

#service-product

[http://](http://192.168.5.20:8003/profile)[localhost](http://192.168.0.146:3001/)[:8003/profile](http://192.168.5.20:8003/profile)

[http://](http://192.168.5.20:8003/api/product?sn=SN123456)[localhost](http://192.168.0.146:3001/)[:8003/api/product?sn=SN123456](http://192.168.5.20:8003/api/product?sn=SN123456)

[http://](http://192.168.5.20:8003/api/product/cache?sn=SN123456)[localhost](http://192.168.0.146:3001/)[:8003/api/product/cache?sn=SN123456](http://192.168.5.20:8003/api/product/cache?sn=SN123456)

#service-order

[http://](http://192.168.5.20:8002/profile)[localhost](http://192.168.0.146:3001/)[:8002/profile](http://192.168.5.20:8002/profile)

[http://](http://192.168.5.20:8002/api/order?sn=Q123456)[localhost](http://192.168.0.146:3001/)[:8002/api/order?sn=Q123456](http://192.168.5.20:8002/api/order?sn=Q123456)

[http://](http://192.168.5.20:8002/api/order/cache?sn=Q123456)[localhost](http://192.168.0.146:3001/)[:8002/api/order/cache?sn=Q123456](http://192.168.5.20:8002/api/order/cache?sn=Q123456)

[http://localhost:8002/api/order/tx?sn=Q123456&productId=1&memberId=1](http://192.168.5.20:8002/api/order/tx?sn=Q123456&productId=1&memberId=1)

#mall-portal

[http://](http://192.168.5.20:9001/api/find/data?username=baicai&productSn=SN123456&orderSn=Q123456)[localhost](http://192.168.0.146:3001/)[:9001/api/find/data?username=baicai&productSn=SN123456&orderSn=Q123456](http://192.168.5.20:9001/api/find/data?username=baicai&productSn=SN123456&orderSn=Q123456)

[http://](http://192.168.5.20:9001/apigateway/member/api/user?username=baicai)[localhost](http://192.168.0.146:3001/)[:9001/apigateway/member/api/user?username=baicai](http://192.168.5.20:9001/apigateway/member/api/user?username=baicai)

[http://](http://192.168.5.20:9001/apigateway/product/api/product?sn=SN123456)[localhost](http://192.168.0.146:3001/)[:9001/apigateway/product/api/product?sn=SN123456](http://192.168.5.20:9001/apigateway/product/api/product?sn=SN123456)

[http://](http://192.168.5.20:9001/apigateway/order/api/order?sn=Q123456)[localhost](http://192.168.0.146:3001/)[:9001/apigateway/order/api/order?sn=Q123456](http://192.168.5.20:9001/apigateway/order/api/order?sn=Q123456)

Docker Compose编排项目

docker-compose.yml内容如下

version: '2' #docker的文件格式版本

services:

eureka-server: #docker服务名

image: eureka-server #docker镜像

ports:

- "1001:1001"

config-server:

image: config-server

ports:

- "2001:2001"

service-member:

image: service-member

ports:

- "8001:8001"

service-order:

image: service-order

ports:

- "8002:8002"

service-product:

image: service-product

ports:

- "8003:8003"

mall-portal:

image: mall-portal

ports:

- "9001:9001"