

Dubbo

- **dubbo** NIO TCP Hessian
- **rmi** JDK rmi java TCP rmi
Serializable
- **webservice** WebService CXF
WebService HTTP
- **http** Http Spring HttpInvoke
- **hessian** Hessian HTTP Servlet
Dubbo Jetty Hession
HTTP Hessian
- **memcache** memcached RPC
- **redis** redis RPC

Dubbo

Dubbo

- Dubbo
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Dubbo

- **Multicast** Multicast
- **Zookeeper** Zookeeper watch
- **redis** redis key/Map key redis
Map key URL value
- **Simple**

Dubbo

Dubbo

- Random LoadBalance:
- RoundRobin LoadBalance:
- LeastActive LoadBalance:
- ConstantHash LoadBalance: Hash

- Dubbo
- Dubbo RPC

Spring

- Dubbo
- API
- F5
- IP

Dubbo

- Remoting NIO

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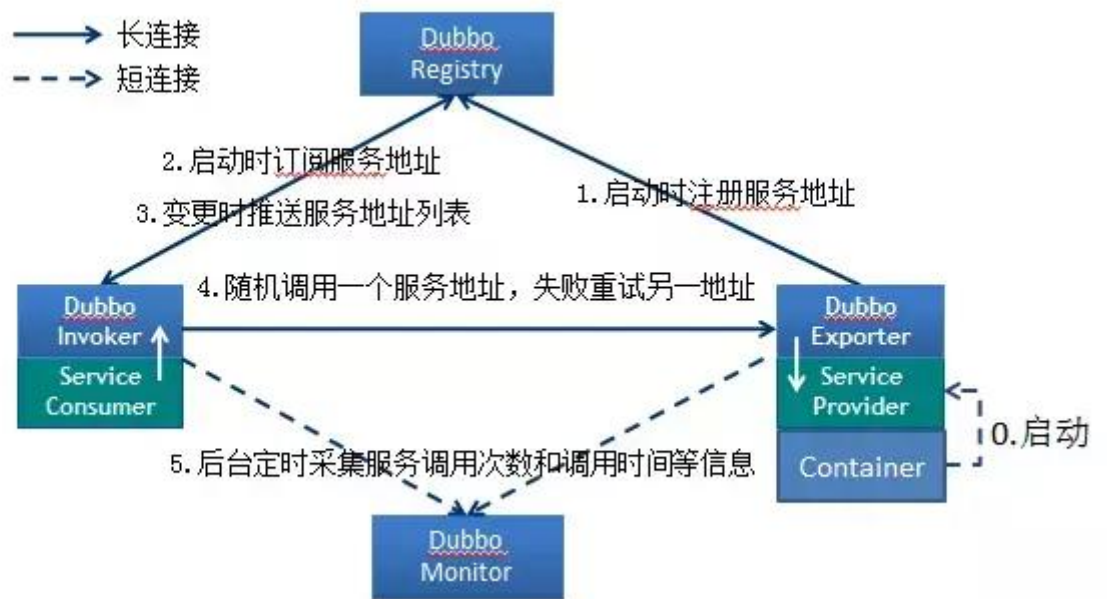
- Cluster

- Registry

- Dubbo

组件角色	说明
Provider	暴露服务的服务提供方
Consumer	调用远程服务的服务消费方
Registry	服务注册与发现的注册中心
Monitor	统计服务的调用次数和调用时间的监控中心
Container	服务运行容器

Dubbo



- Provider()

- IP

- Consumer(

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- Consumer

- Consumer

- Provider

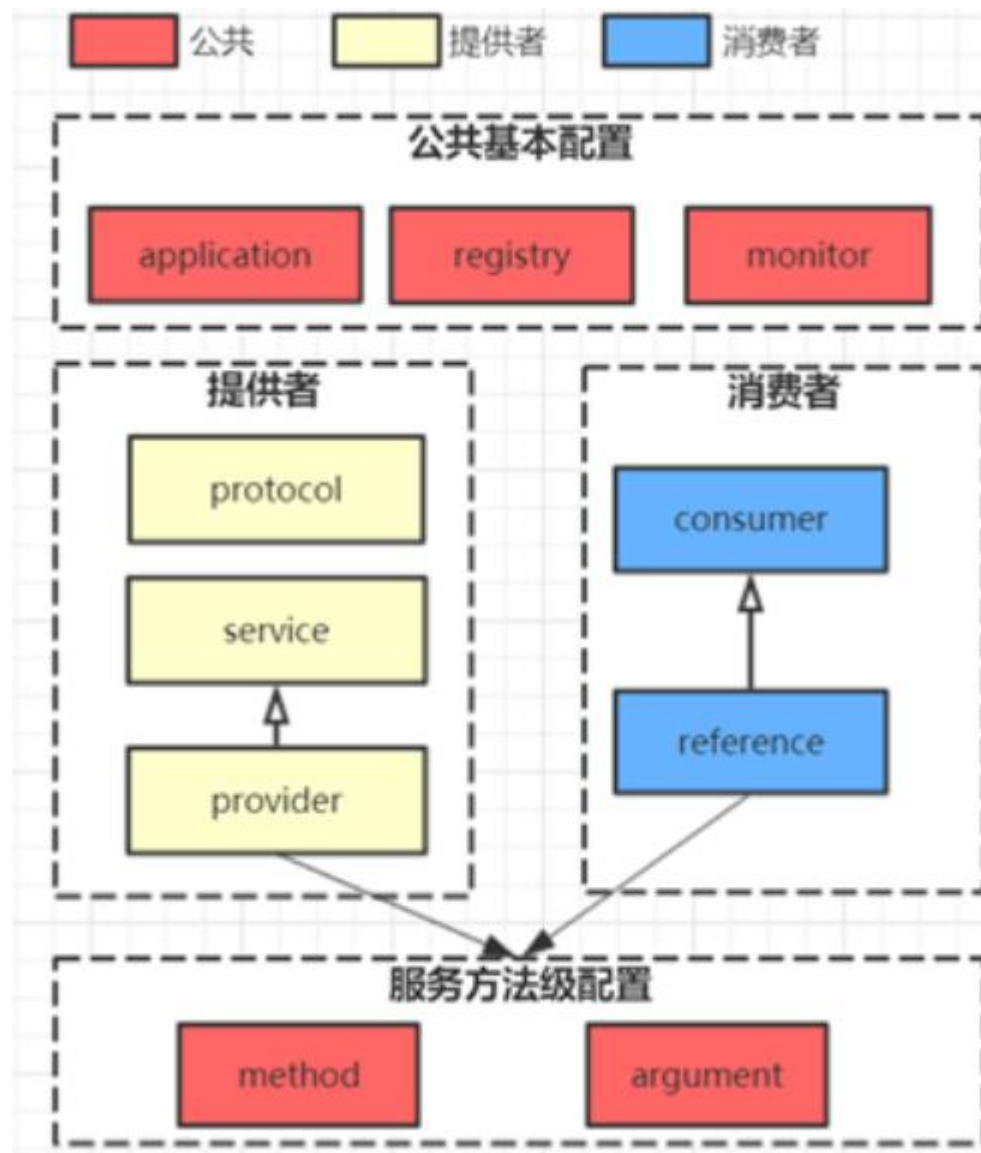
- Consumer

- Consumer Provider

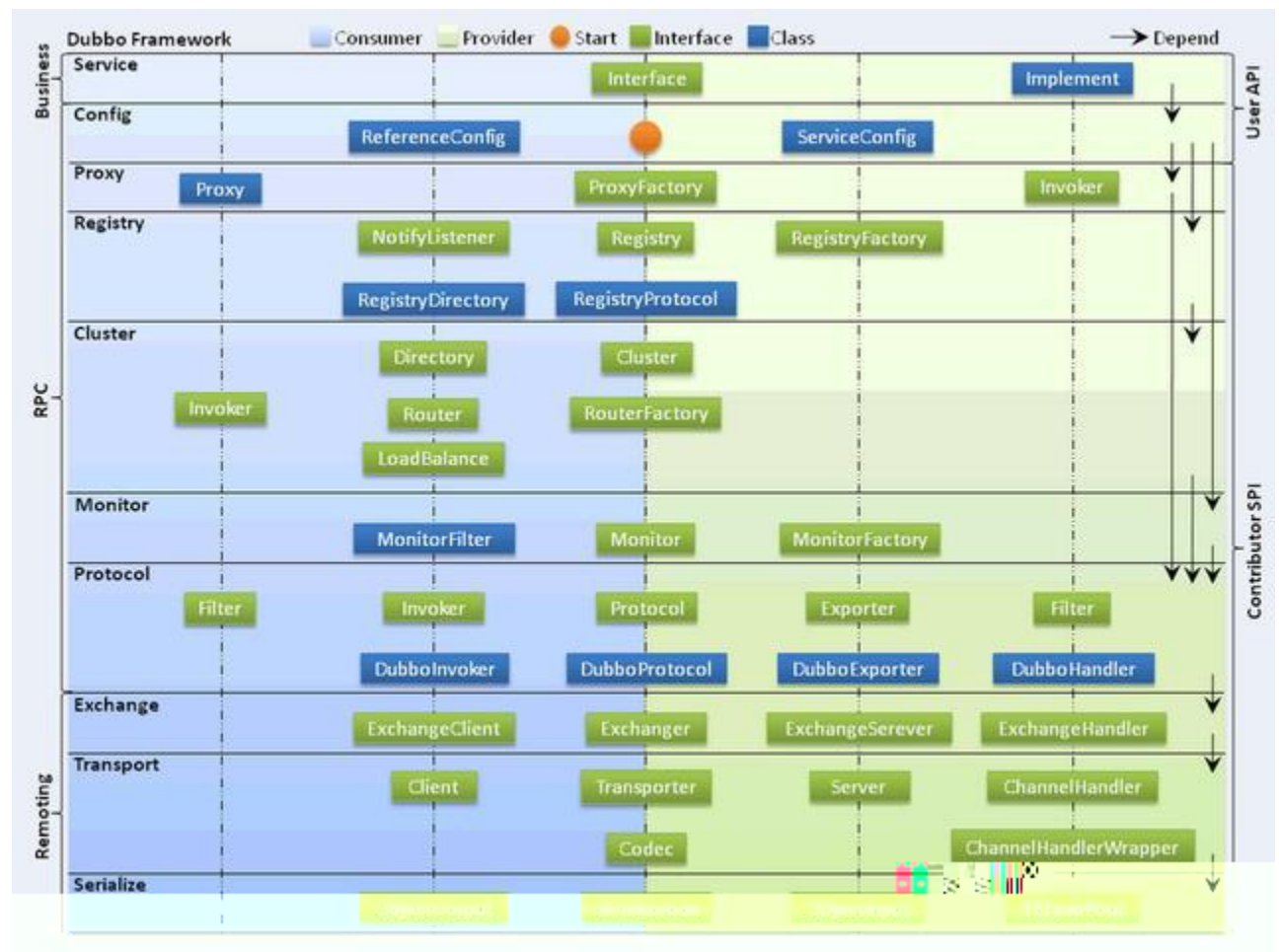
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Dubbo

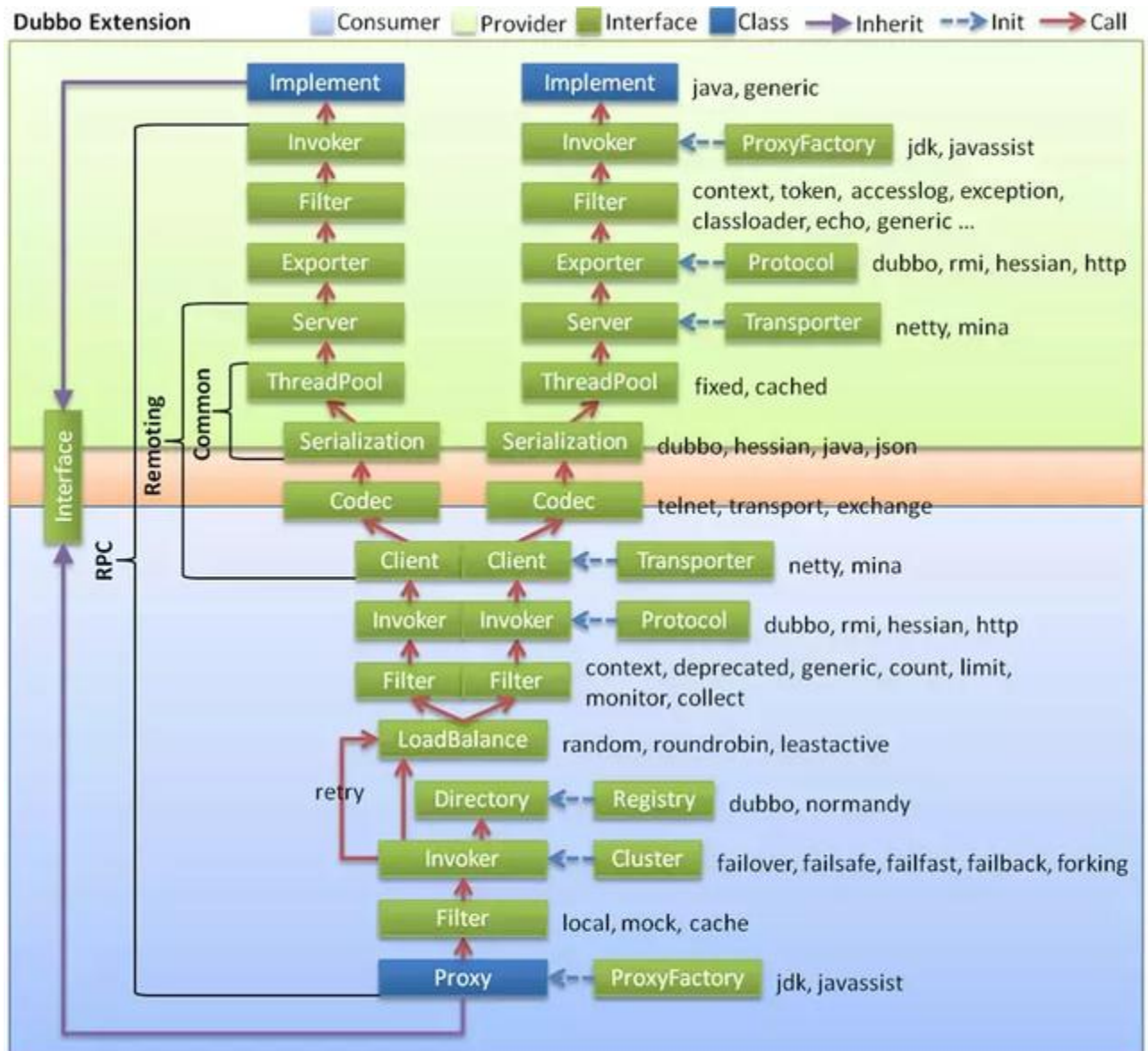


Dubbo

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- Service
- Config ServiceConfig
- Proxy Stub
- Skeleton

- Registry URL
- Cluster
 - Invoker
- Monitor RPC
- Protocol RPC Invocation Result
 - Protocol Invoker Exporter
- Exchange
 - Request Response
- Transport mina netty
 - Message
 - Dubbo



Dubbo

- dubbo NIO

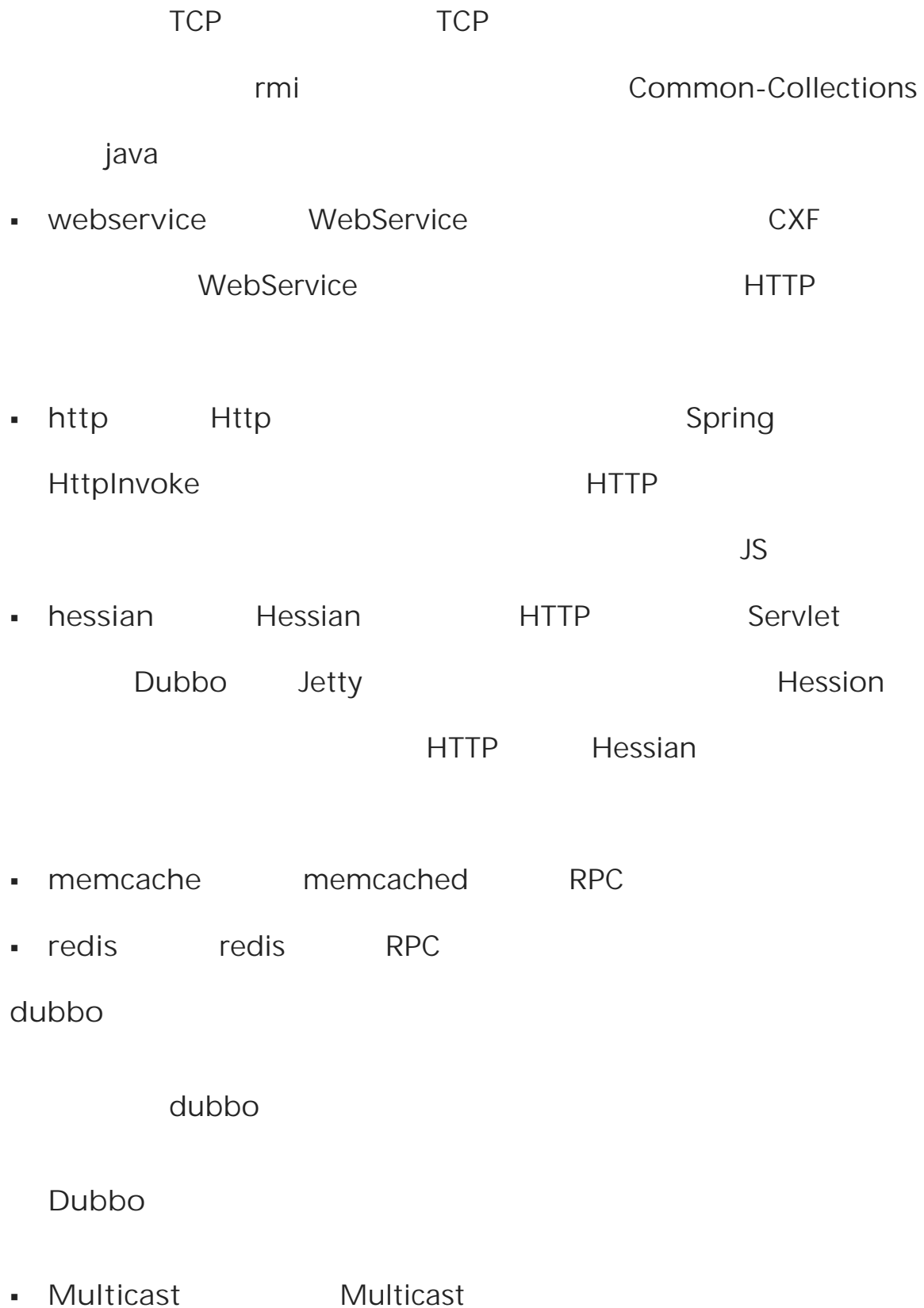
TCP

Hessian

- rmi JDK rmi

Serializable

java



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Dubbo

dubbo

zookeeper

Dubbo Spring

Dubbo Spring

API Spring Dubbo Dubbo

Spring Schema

Dubbo ?

NIO Netty

Dubbo

- Random LoadBalance:
- RoundRobin LoadBalance:

- LeastActive LoadBalance:
- ConstantHash LoadBalance: Hash

Random

Dubbo

- Failover Cluster
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- Failfast Cluster
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- Failsafe Cluster
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- Failback Cluster
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- Forking Cluster

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forks="2"

- Broadcast Cluster

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Dubbo

Failover Cluster

Dubbo

Hessian

Dubbo

FastJson

Java

Dubbo

Dubbo

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Dubbo

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dubbo

Dubbo

Dubbo Token

Dubbo

Dubbo Dubbox

dubbox dubbo restful

Dubbo Spring Cloud

Dubbo SOA

Spring Cloud

Spirng

Spirng Boot Dubbo

Spirng Cloud

Dubbo Spring Cloud

	Dubbo	Spring Cloud
服务注册中心	Zookeeper	Spring Cloud Netflix Eureka
服务调用方式	RPC	REST API
服务网关	无	Spring Cloud Netflix Zuul
断路器	不完善	Spring Cloud Netflix Hystrix
分布式配置	无	Spring Cloud Config
服务跟踪	无	Spring Cloud Sleuth
消息总线	无	Spring Cloud Bus
数据流	无	Spring Cloud Stream
批量任务	无	Spring Cloud Task

	Dubbo	Netty	NIO
TCP		Hession	RPC
	SpringCloud	Http	+ Rest
	Http		
REST	RPC		