

平台体系

服务注册、发现

负载均衡、降级、限流

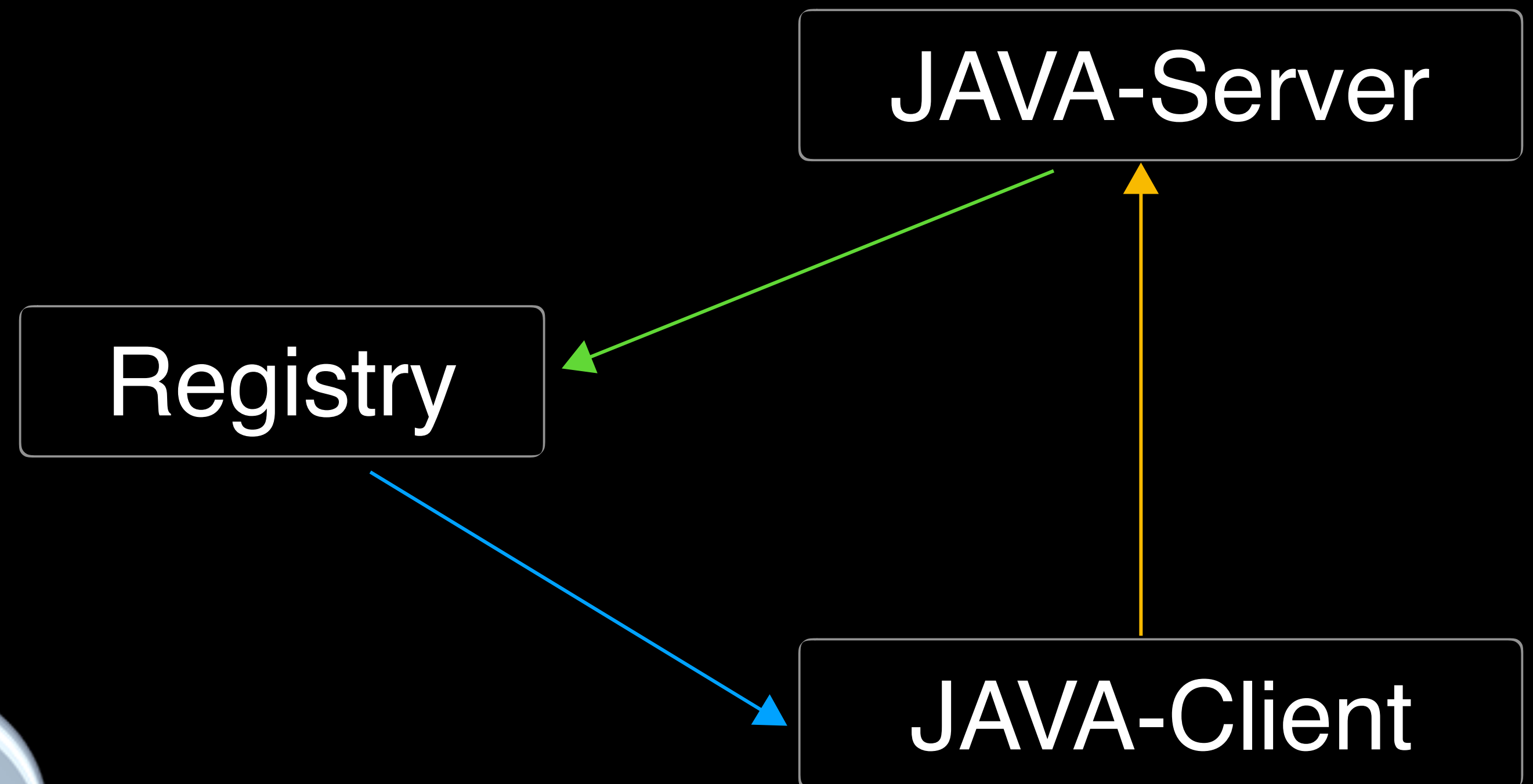
秒级实时监控

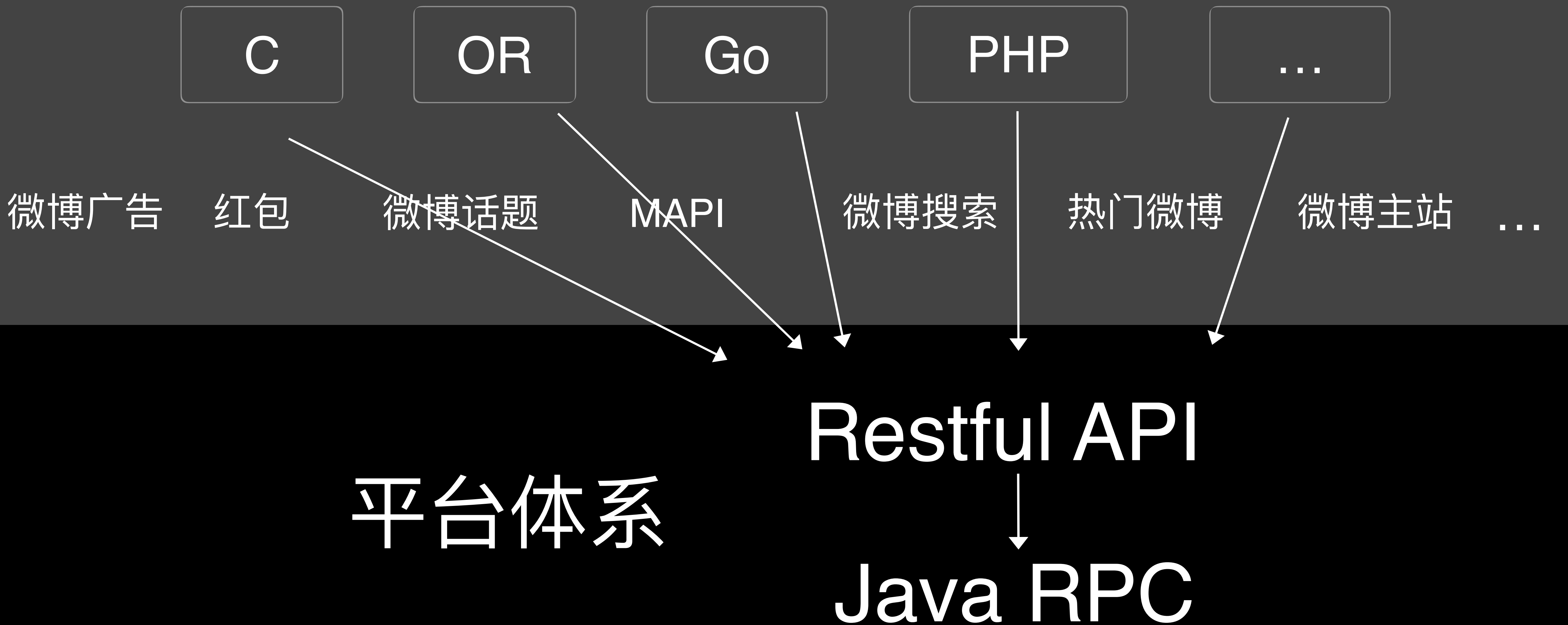
自动化容量评估

智能弹性调度

自动扩缩容

请求动态路由





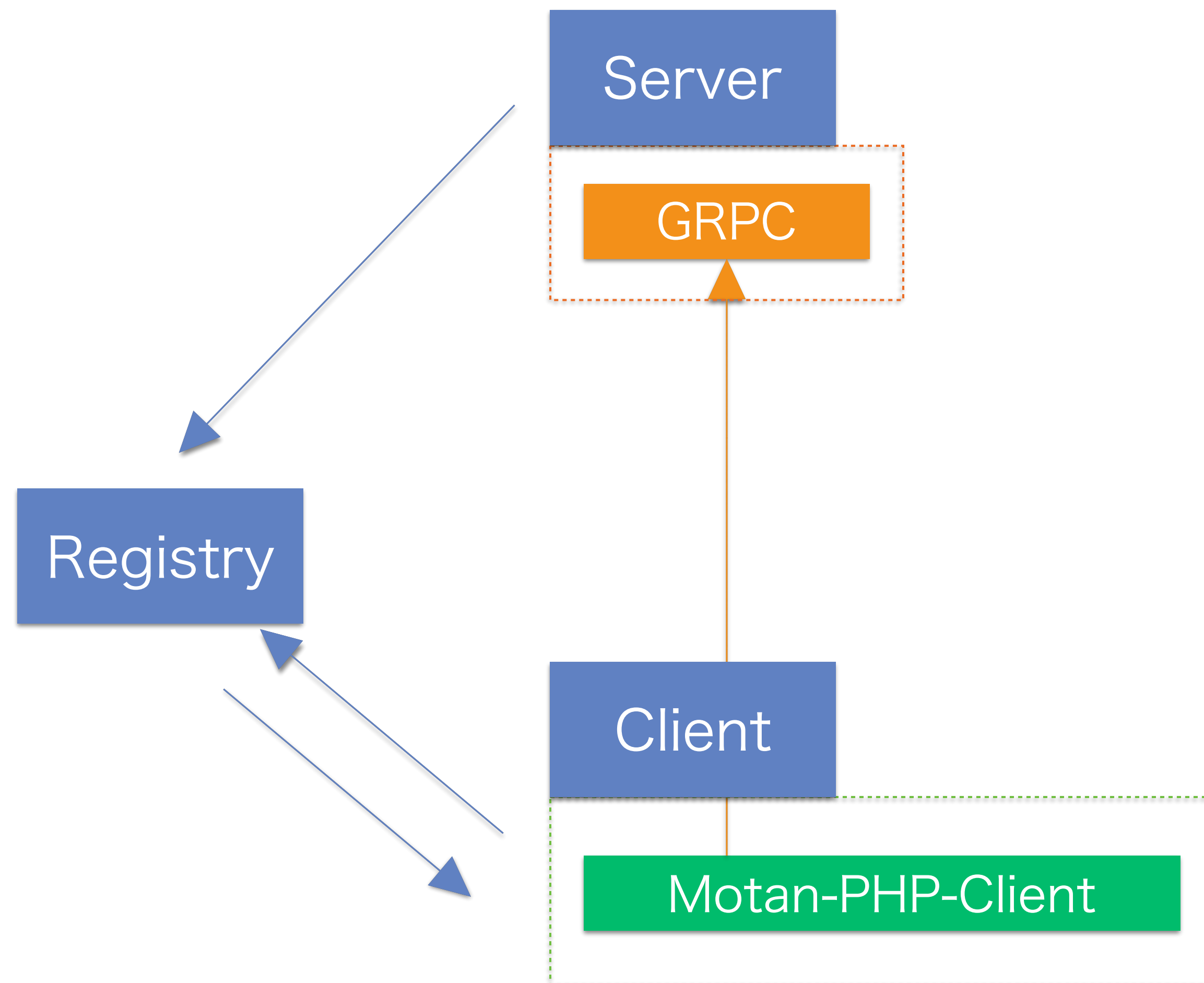
趋势

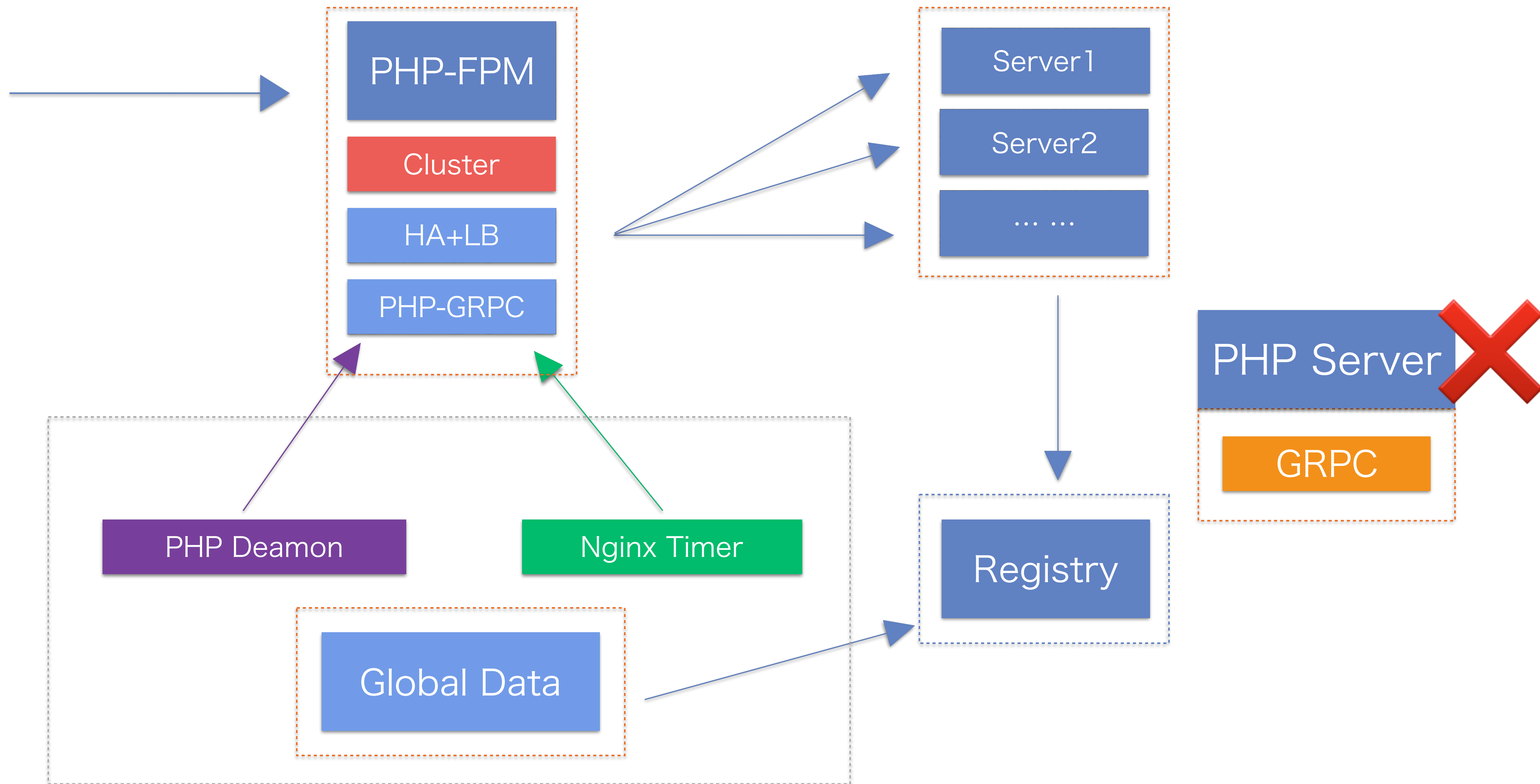
微服务 · 容器化 · 云化 · 标准化 · 工程化

更快的交付

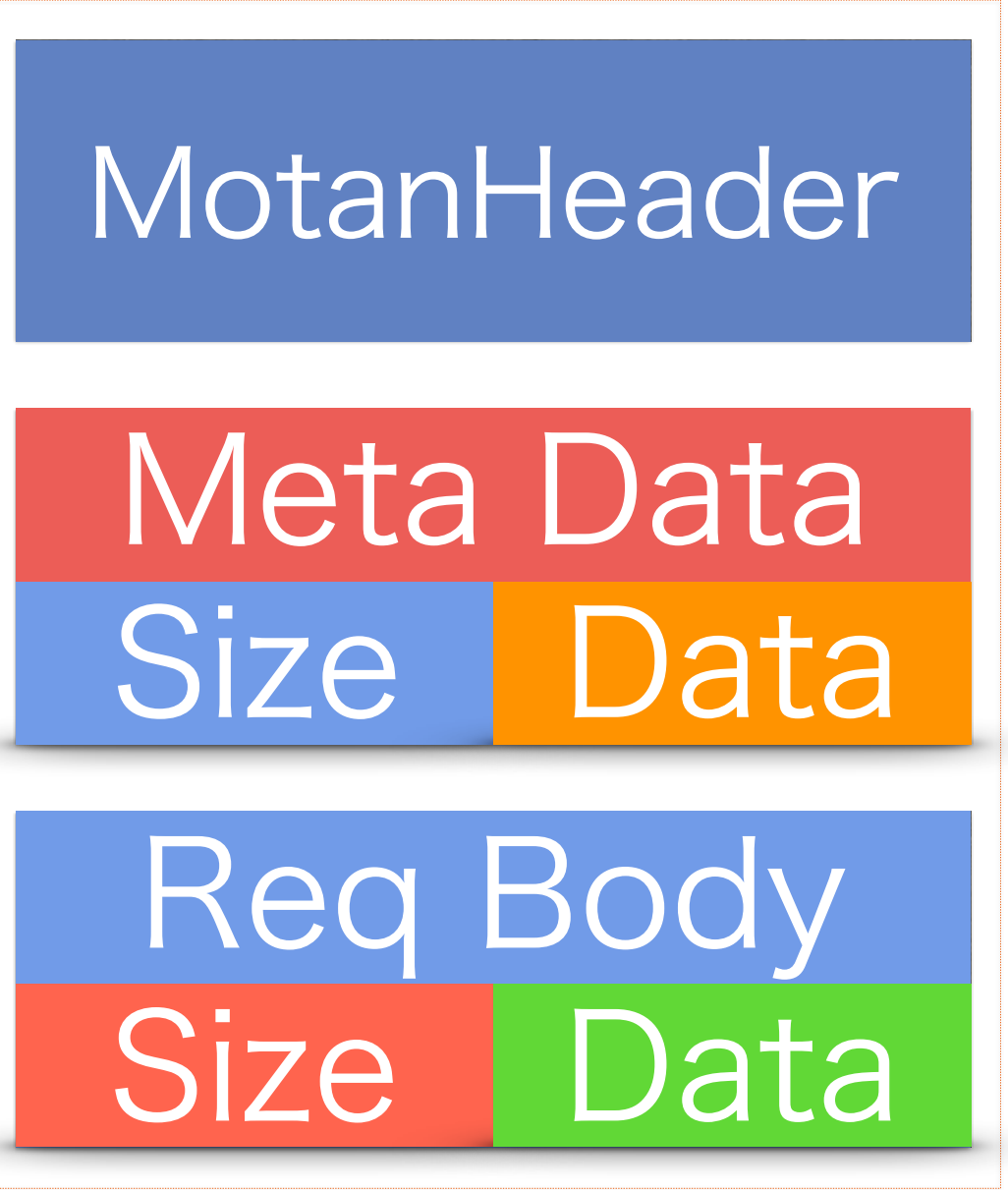
更低的成本

服务与实现方式不应该有强耦合关系





			Agent 代理
			中
			中
			中
			高
			高



Header Payload

null

00

string "hello"

01 00 00 00 05 68 65 6c 6c 6f

基础类型

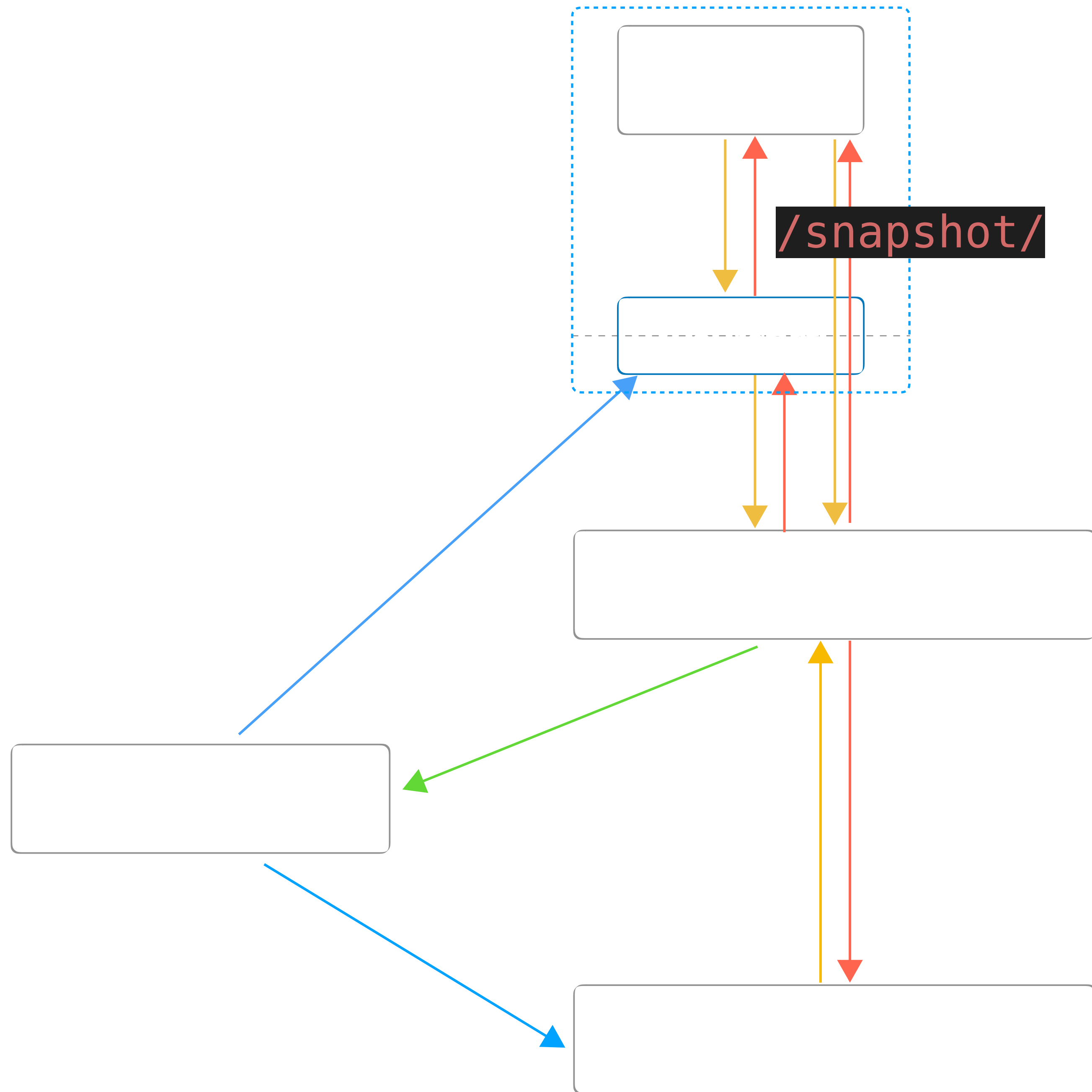
复合类型

map {name:ray, code: xxx}

02 00 00 00 1e 00 00 00 04 63 6f 64 65 00 00 00 03 78 78 78 00 00 00 04 6e
61 6d 65 00 00 00 03 72 61 79

```
// serialize type
const (
    sNull = iota
    sString
    sStringMap
    sByteArray
    sStringArray
    sBool
    sByte
    sInt16
    sInt32
    sInt64
    sFloat32
    sFloat64

    // [string]interface{}
    sMap    = 20
    sArray  = 21
)
```

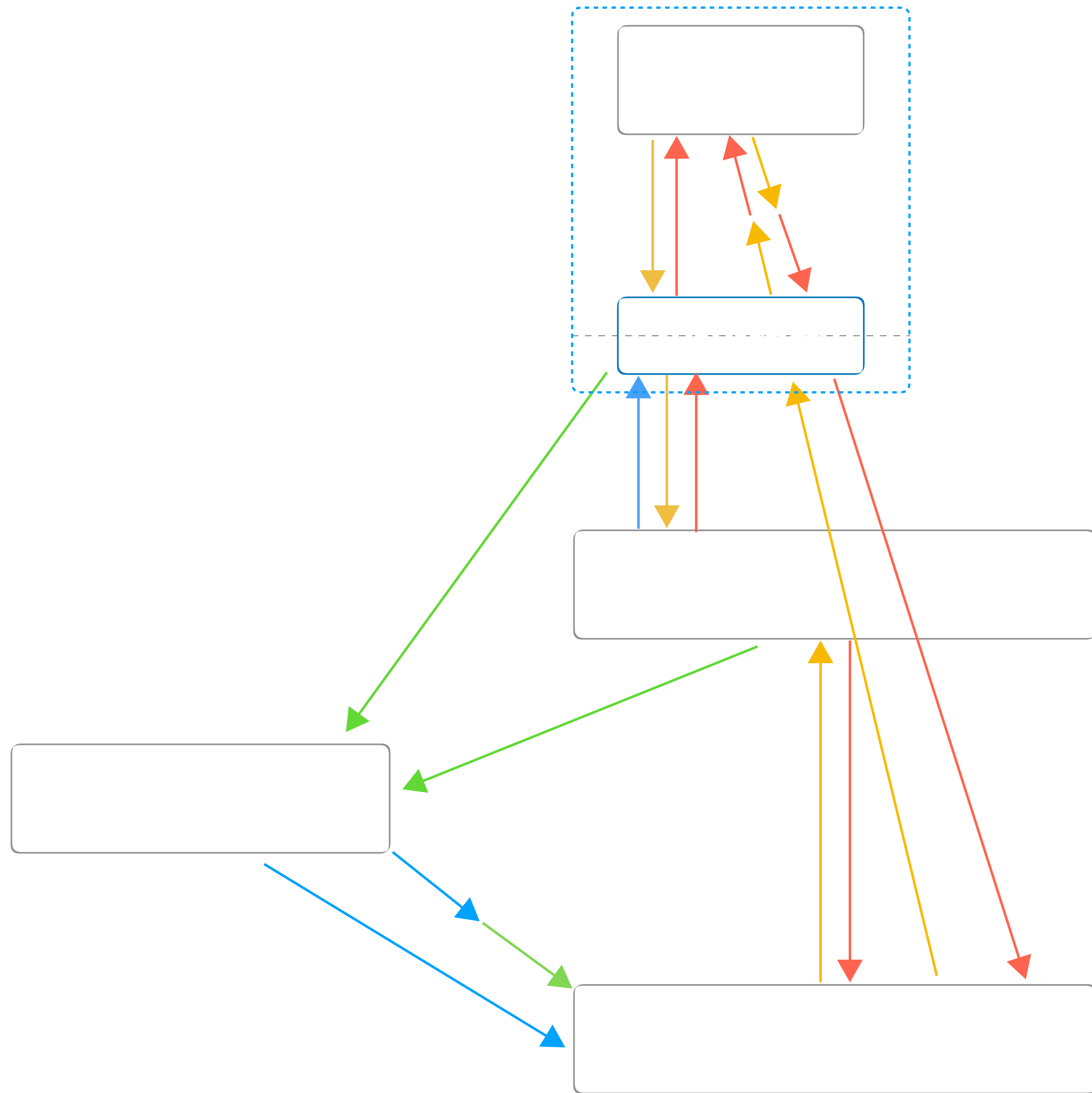



```
if ($connection->buildConnection($agent_addr)){  
    $this->_url_obj  
    ->setEndpoint(Constants::ENDPOINT_AGENT);  
    $this->_endpoint = new Agent($this->_url_obj);  
} else {  
    $this->_endpoint = new Cluster($this->_url_obj);  
}
```

```
public function call()  
{  
    return $this->_ha_strategy->call($this->_load_balance);  
}
```

```
AGENT_RUN_PATH . "/snapshot/" . $this->_group . '_' . $this->_service_str;
```

Endpointer 扩展保底

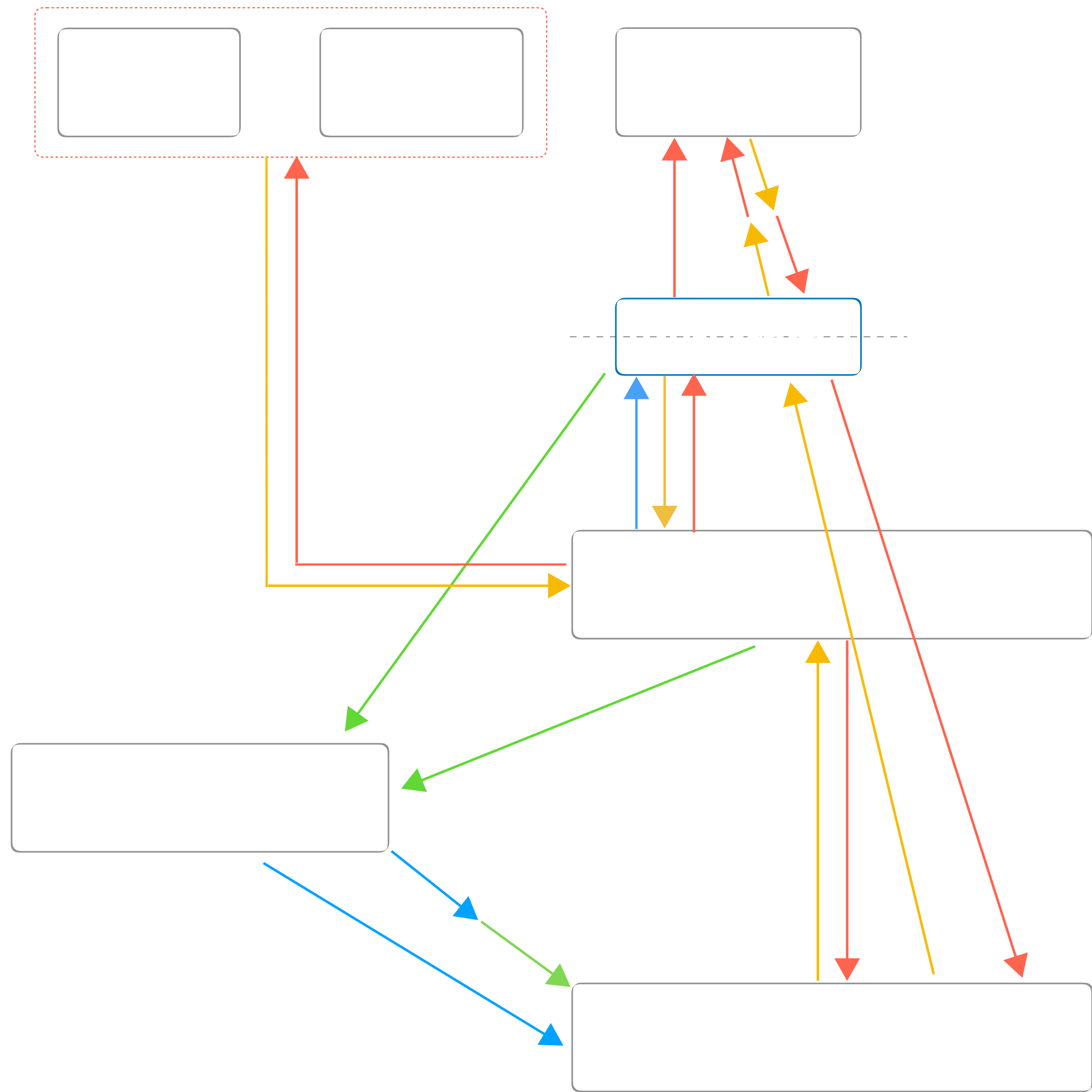


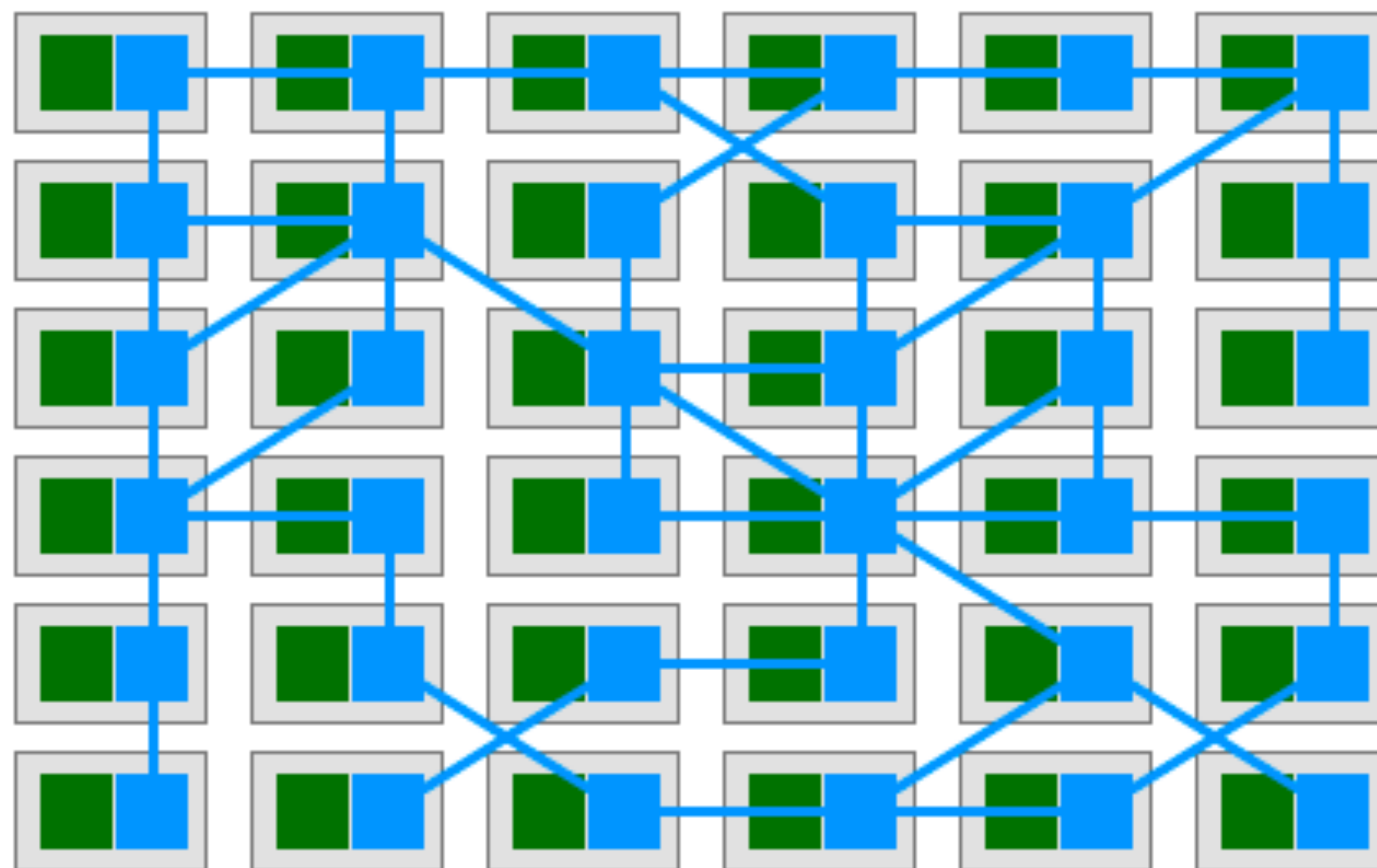

```
extFactory.RegistExtProvider(CGI, func(url *motan.URL)
motan.Provider {
    return &CgiProvider{url: url}
})
```

```
extFactory.RegistExtProvider(HTTP, func(url *motan.URL)
motan.Provider {
    return &HTTPProvider{url: url}
})
```

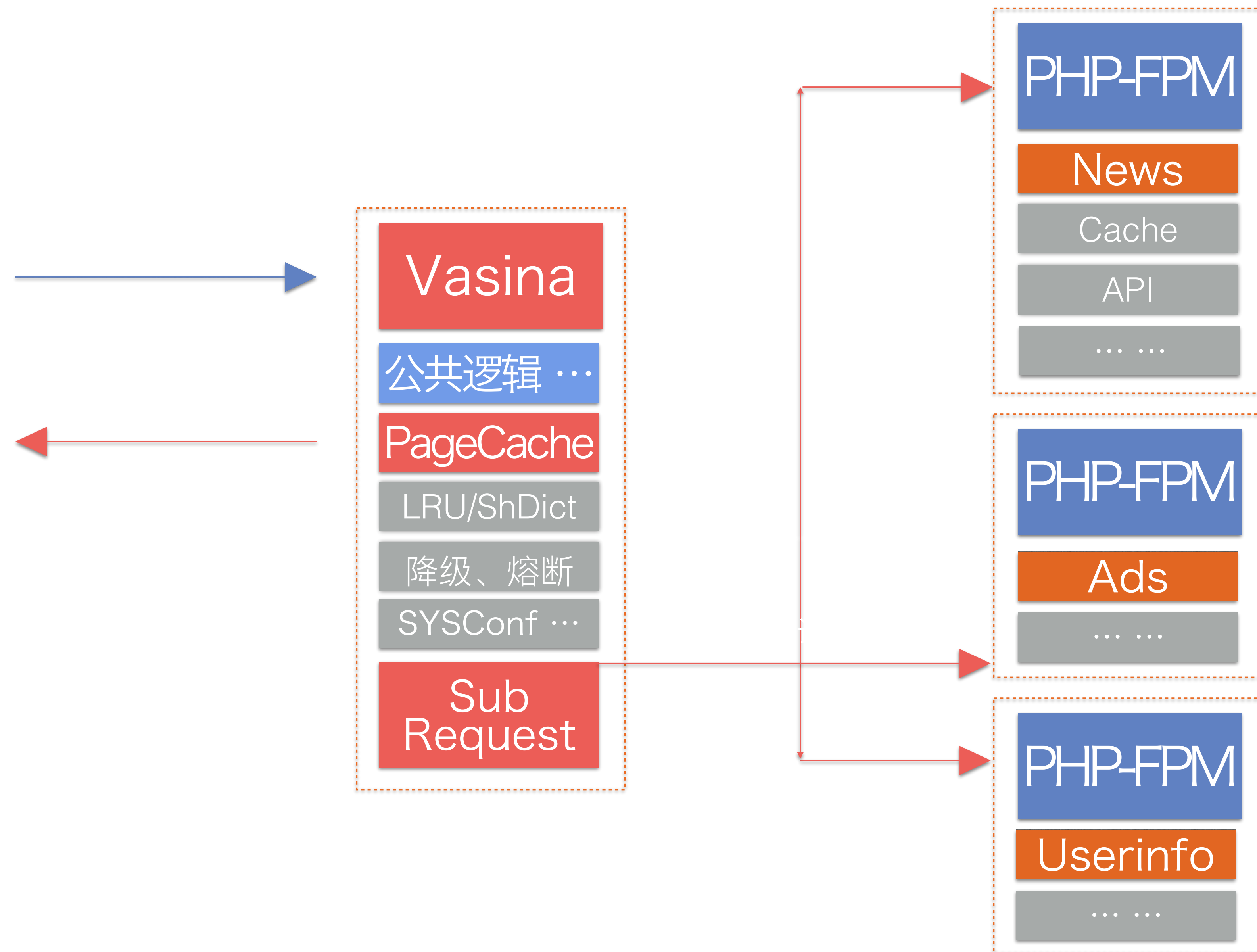
MOTAN_*

```
[MOTAN_M_p] => com.weibo.motan.HelloWorldService
[MOTAN_SERIALIZATION] => simple
[MOTAN_M_g] => motan-server-mesh-example
[MOTAN_M_m] => Hello
[MOTAN_M_pp] => motan2
```









dedicated infrastructure layer **handling service-to-
service communication**

complex topology of services

In practice

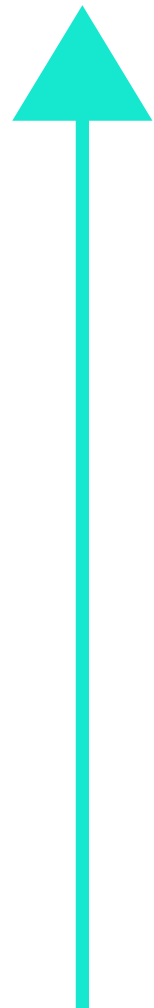
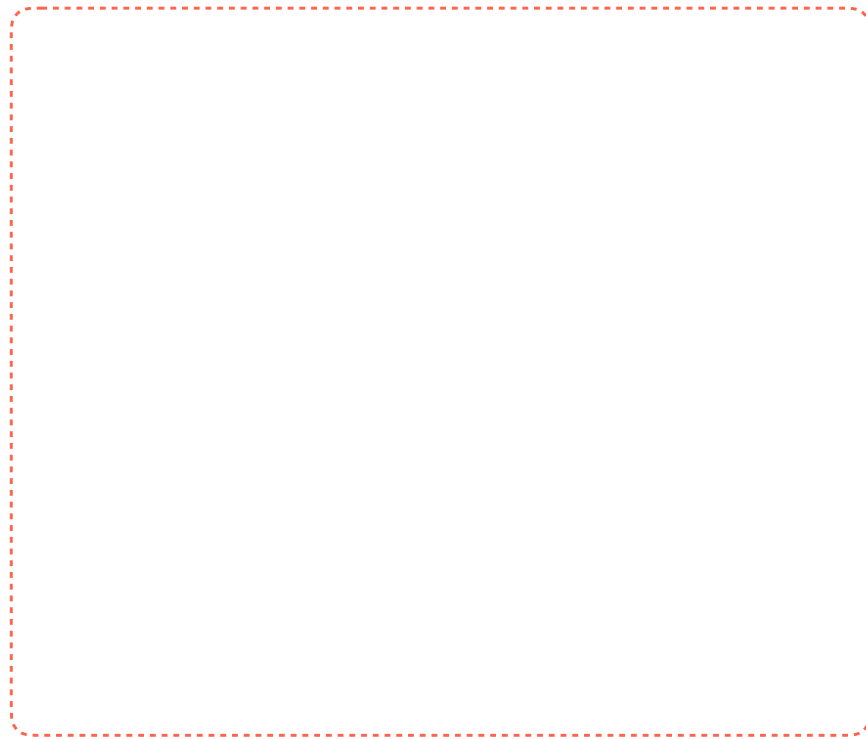
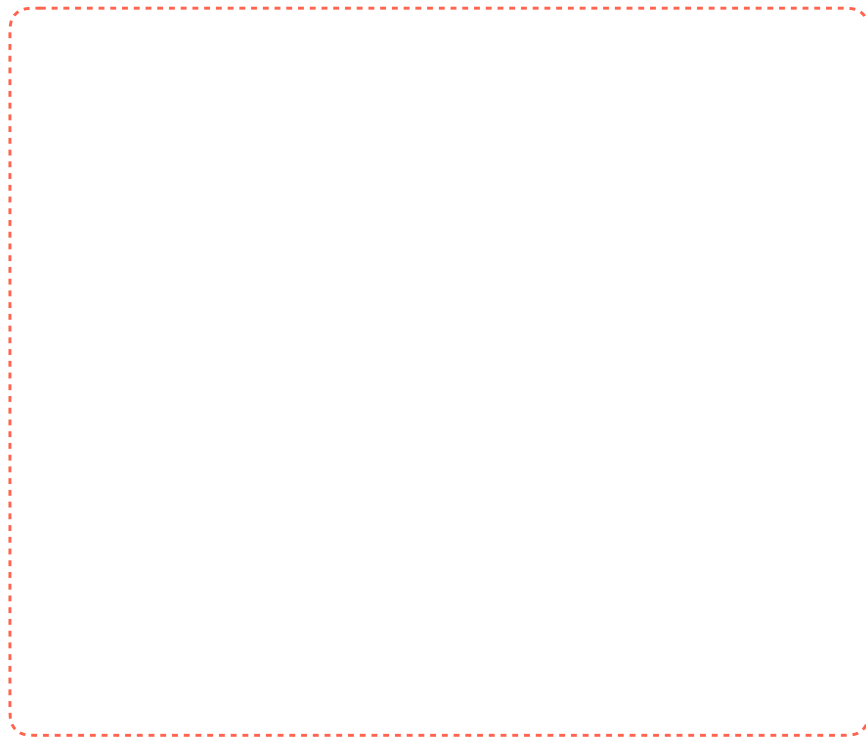
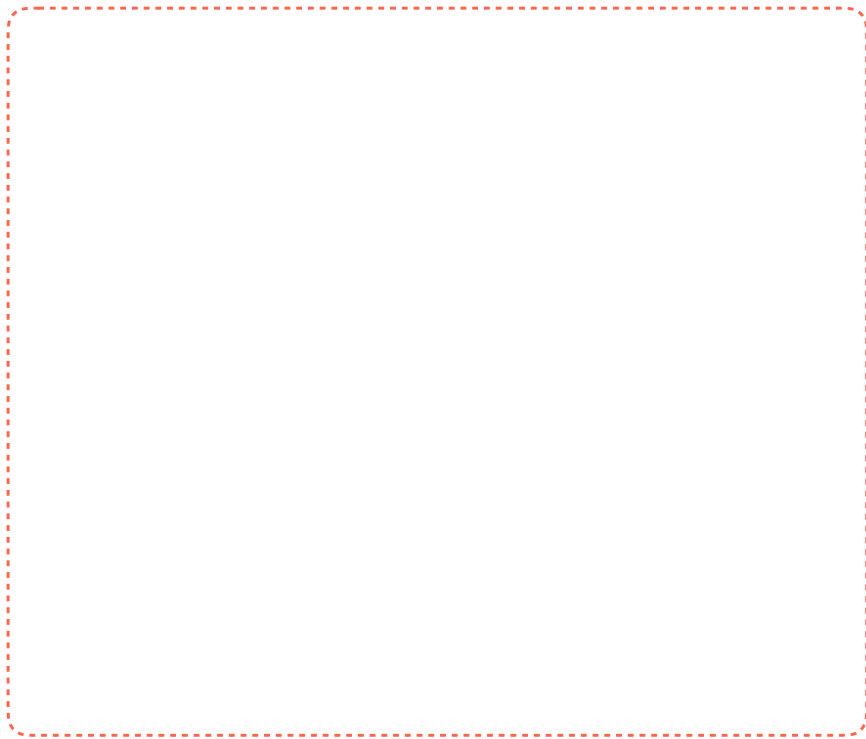
lightweight network proxies
without the application needing to be aware

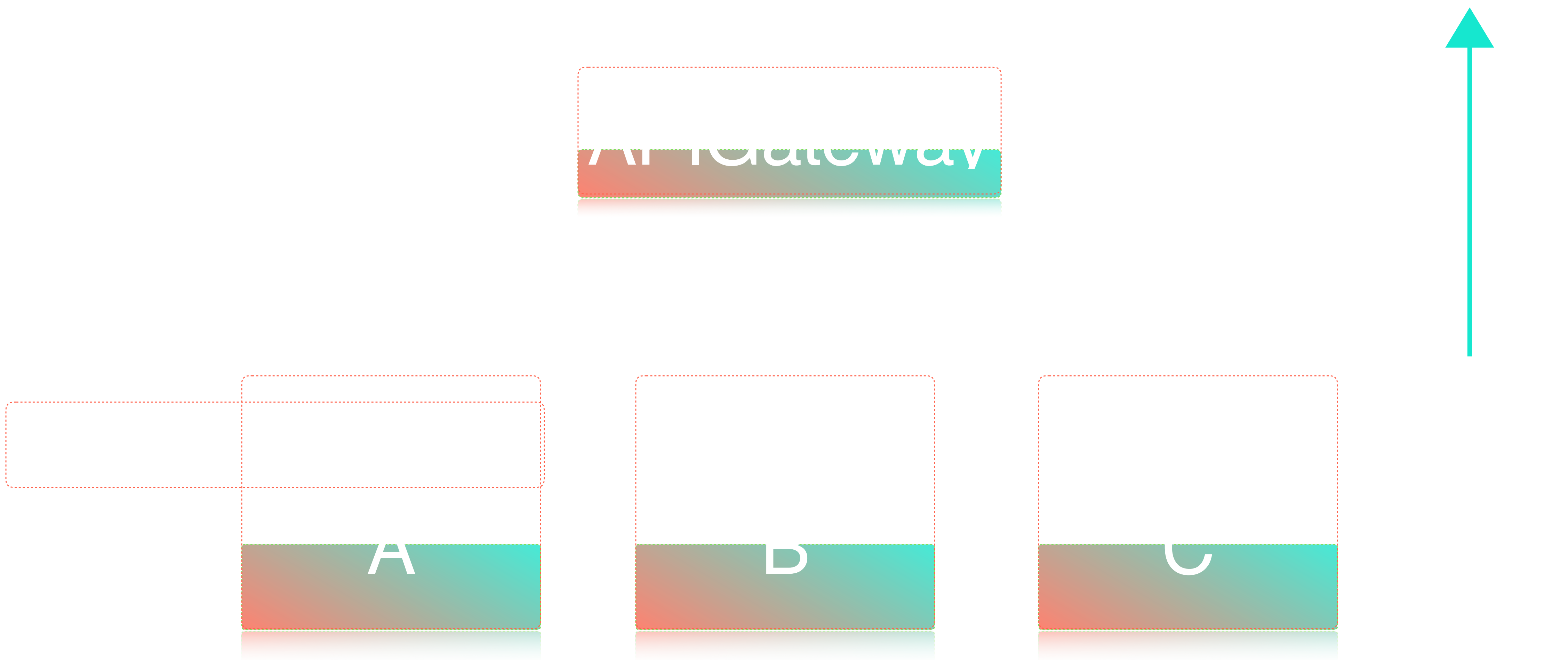
dedicated infrastructure layer **handling service-to-service communication**

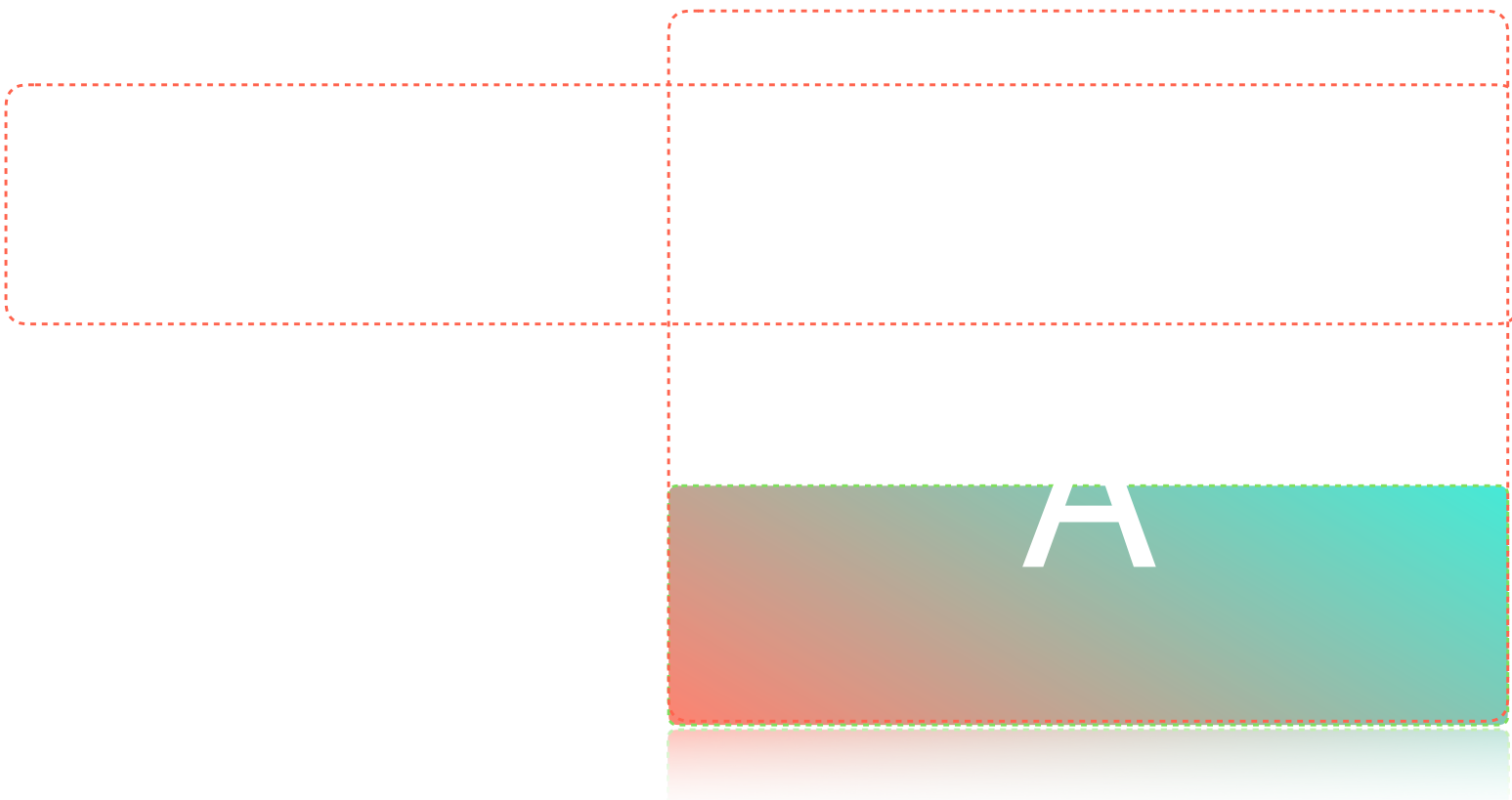
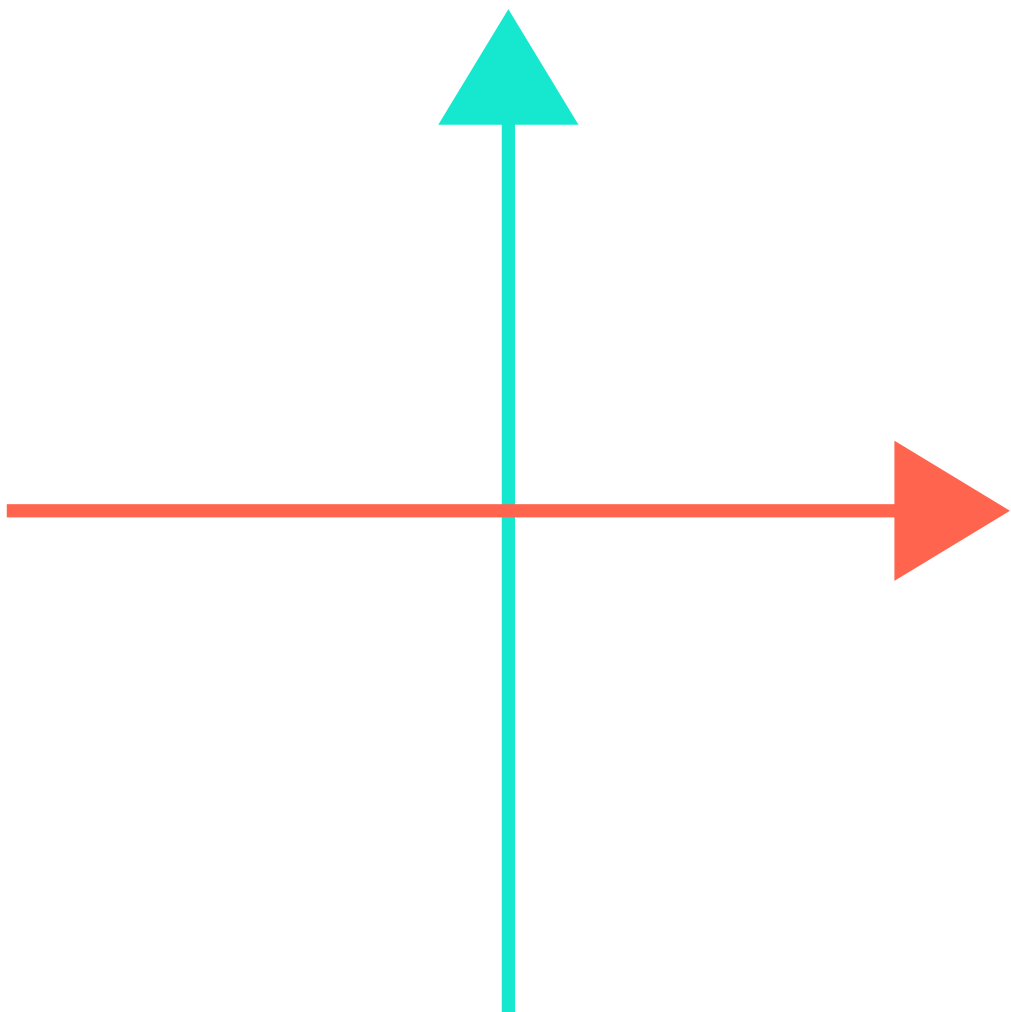
complex topology of services

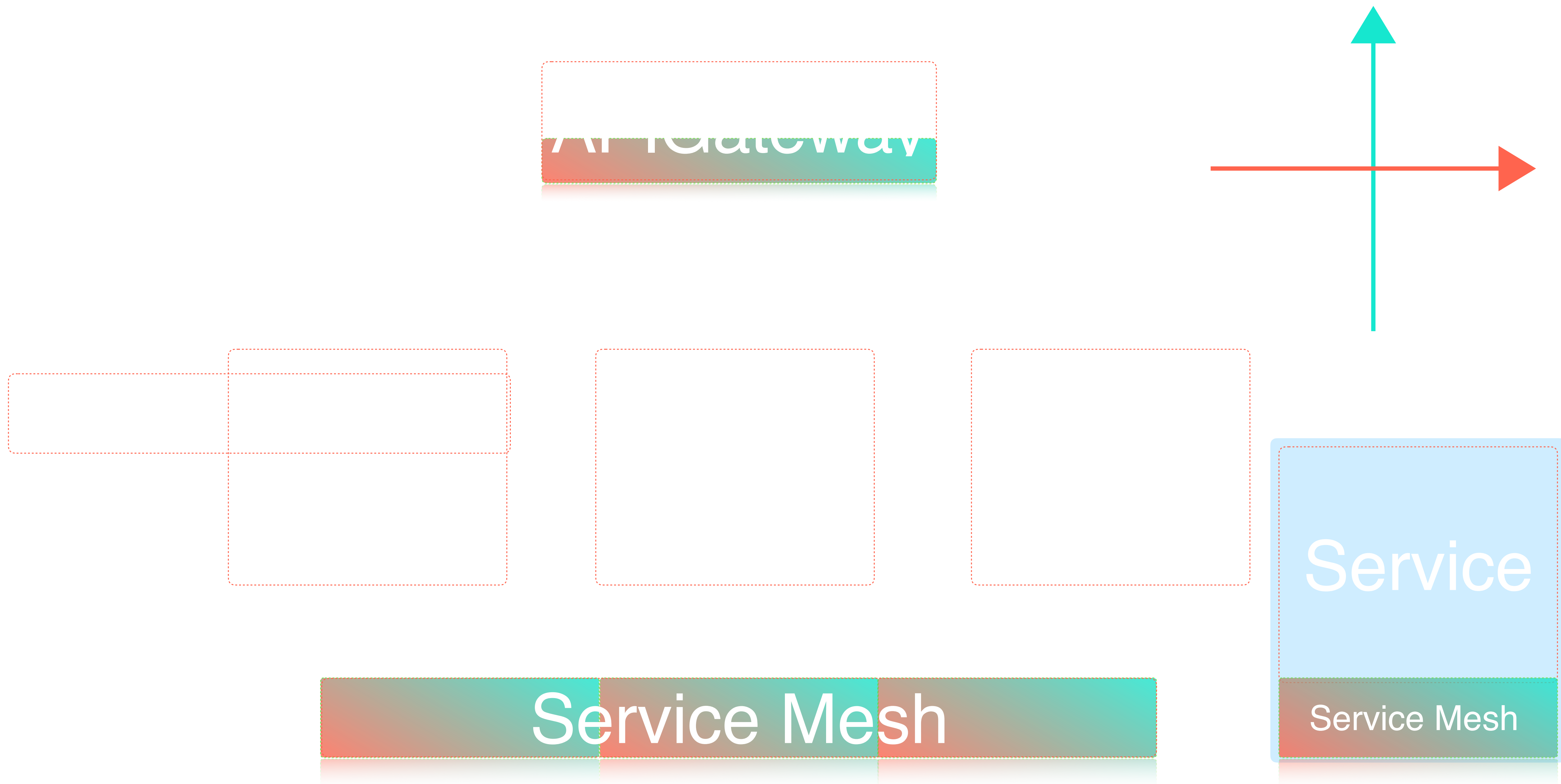
In practice

lightweight network proxies
without the application needing to be aware

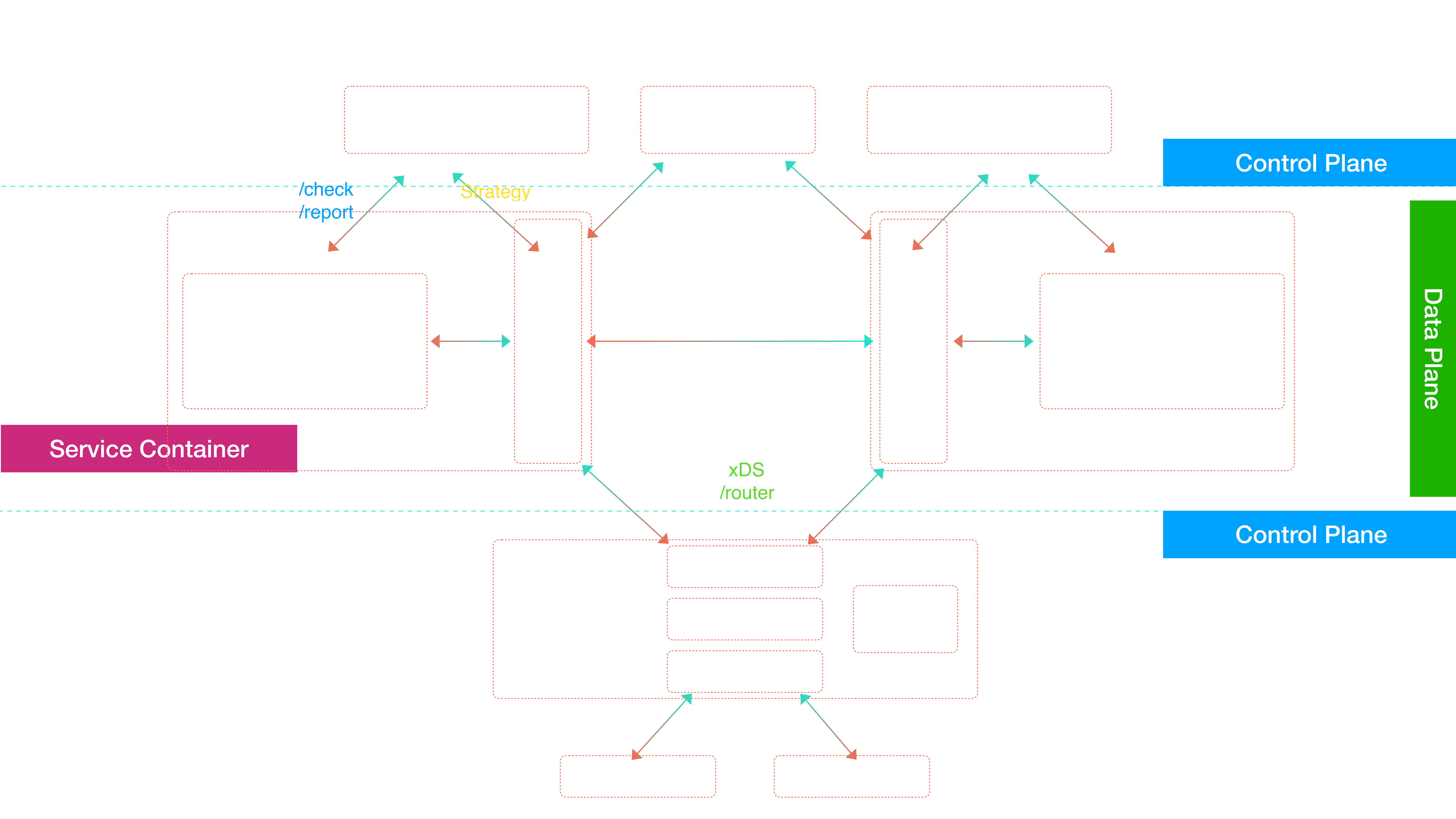


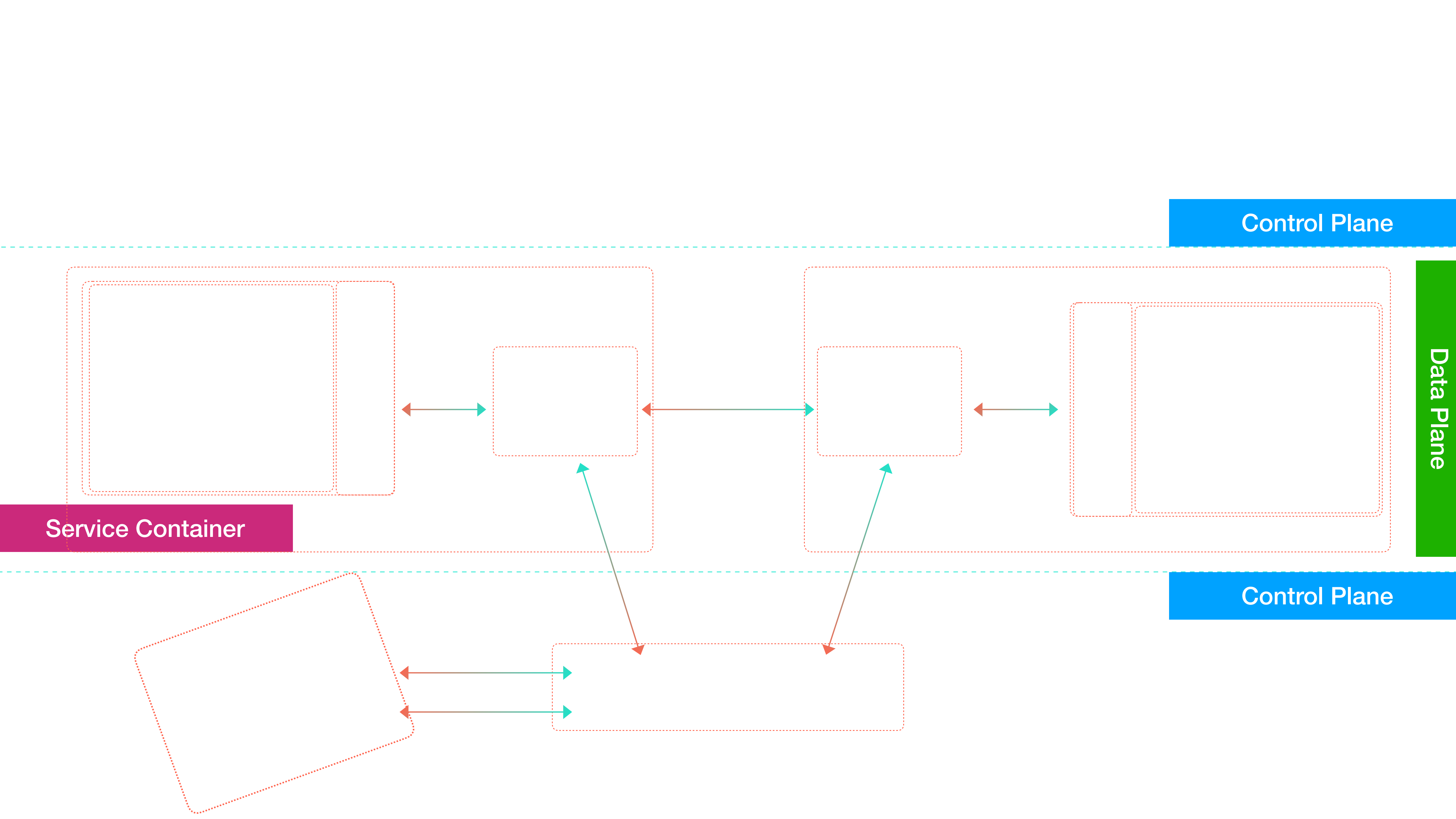


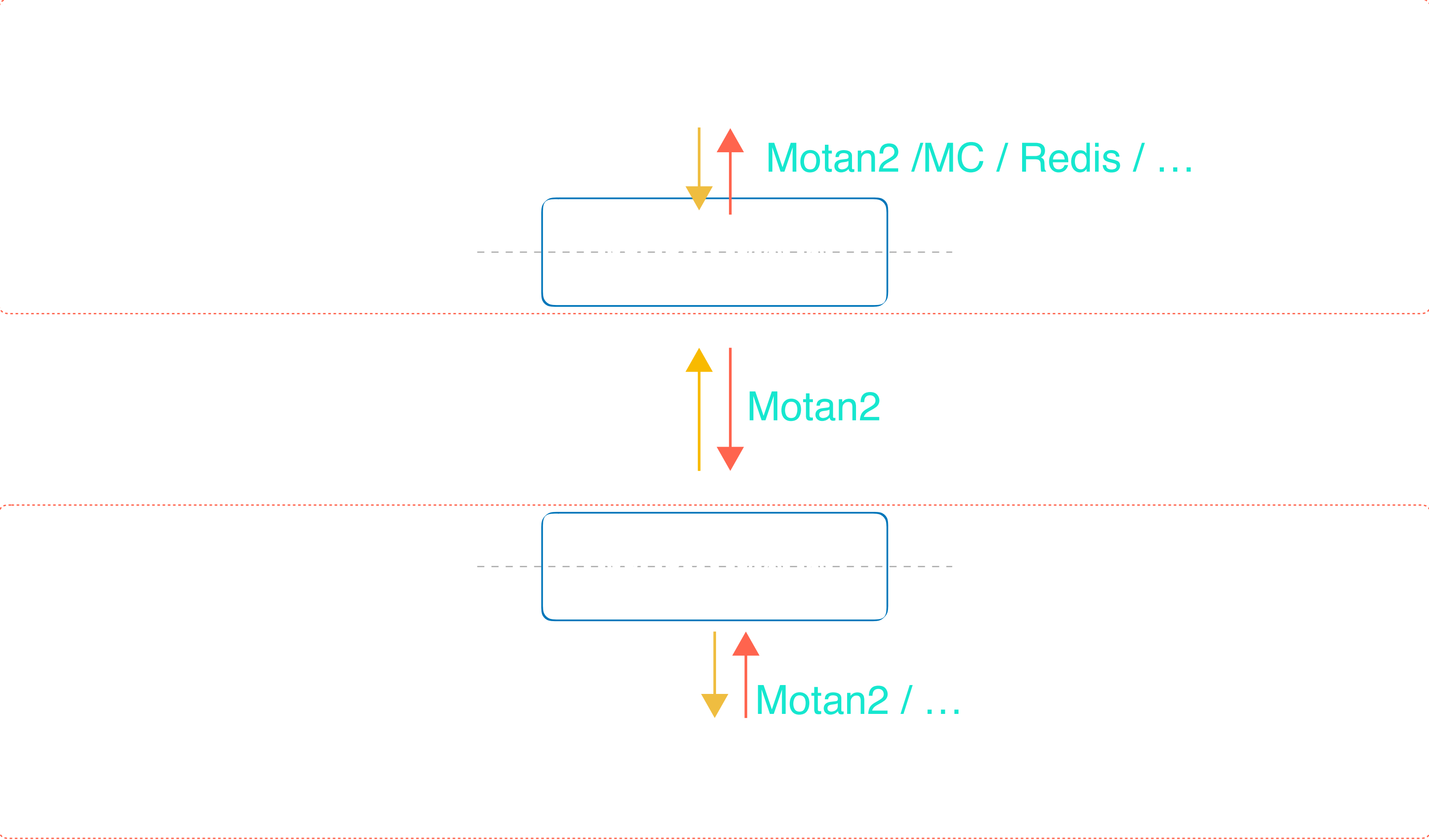




通信和服务治理 dedicated infrastructure layer







服务的刻画 / Motan Schema

服务协议

版本号

Service

grpc://host:port/0.1/helloworld.Greeter?group=idevz-test

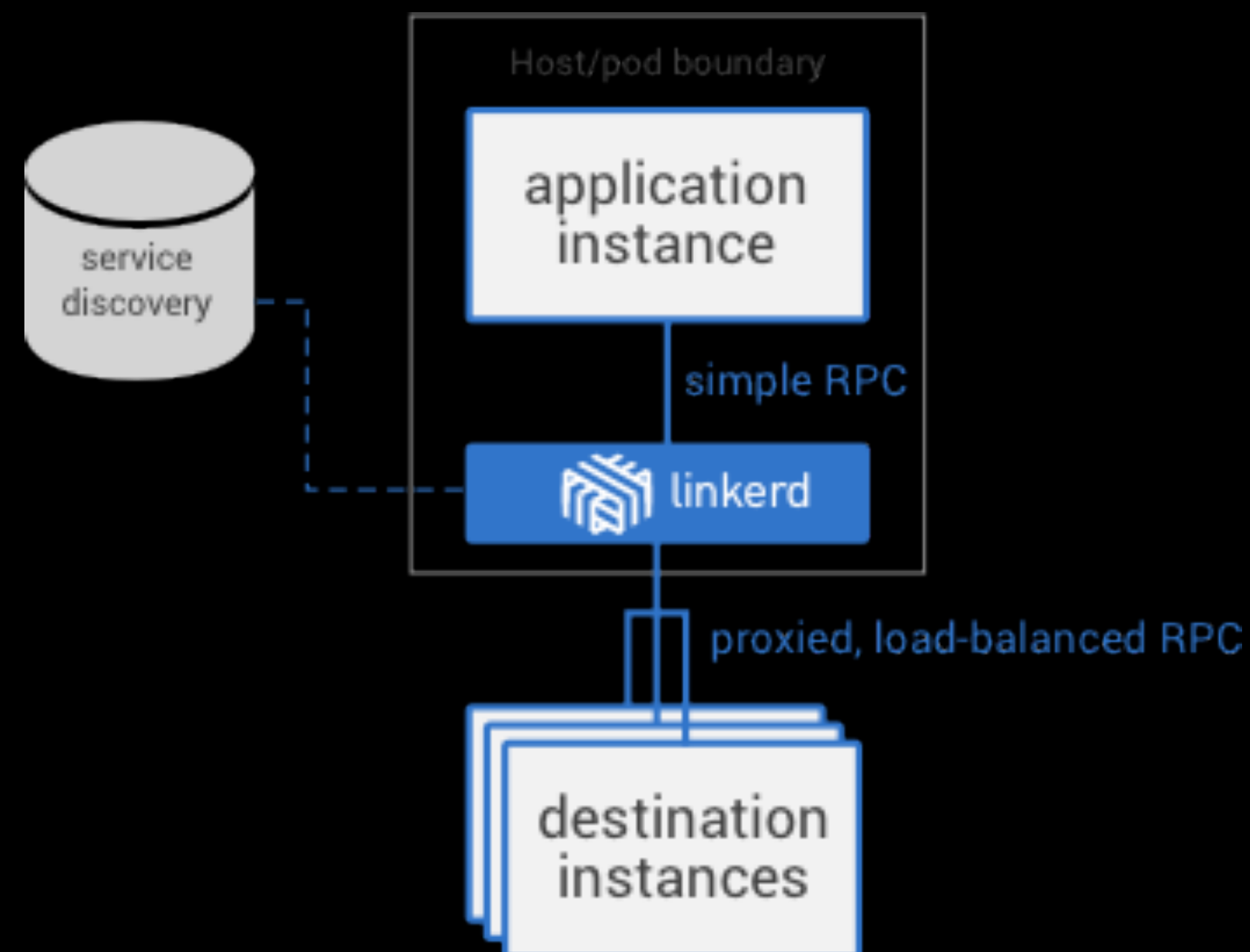
目标节点

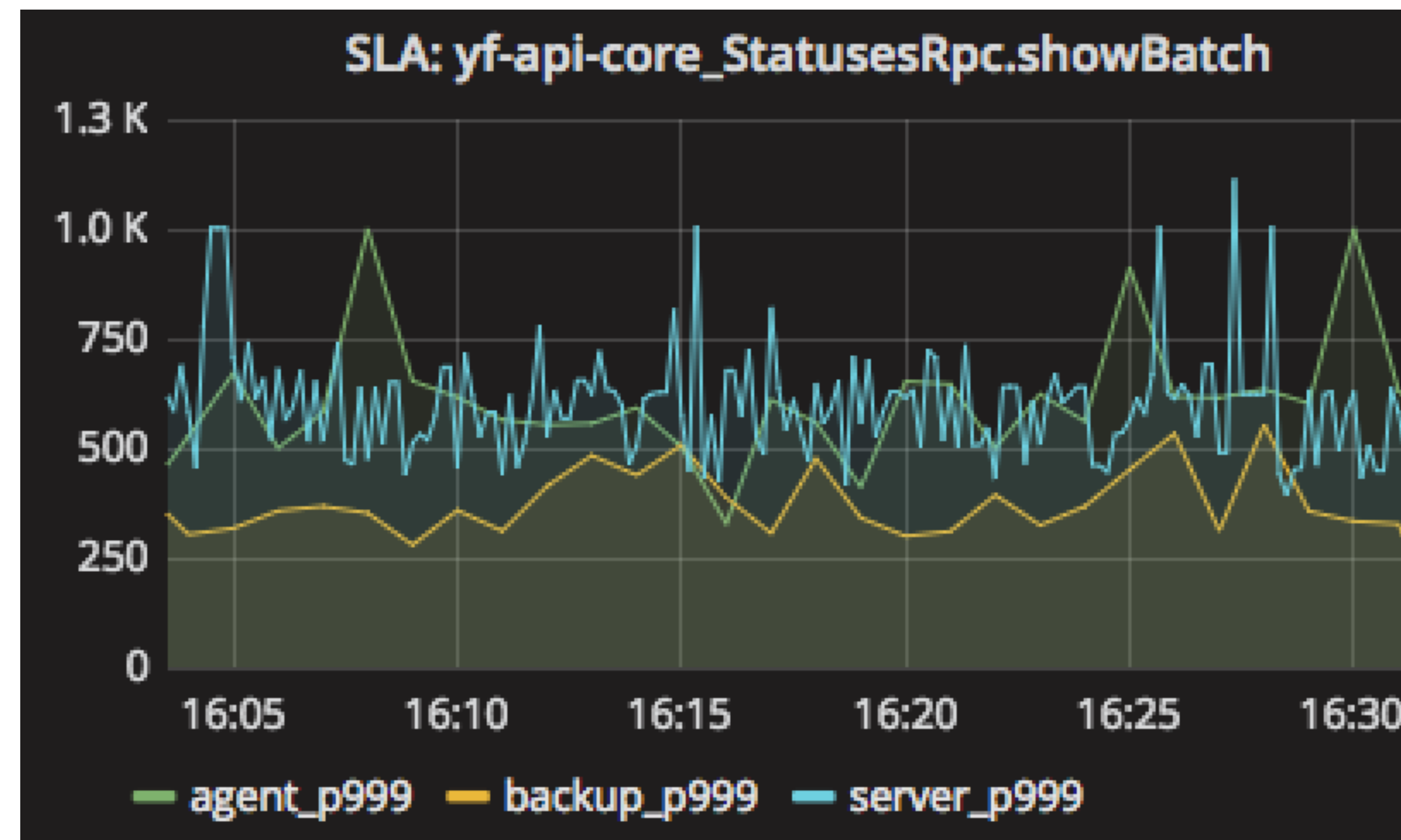
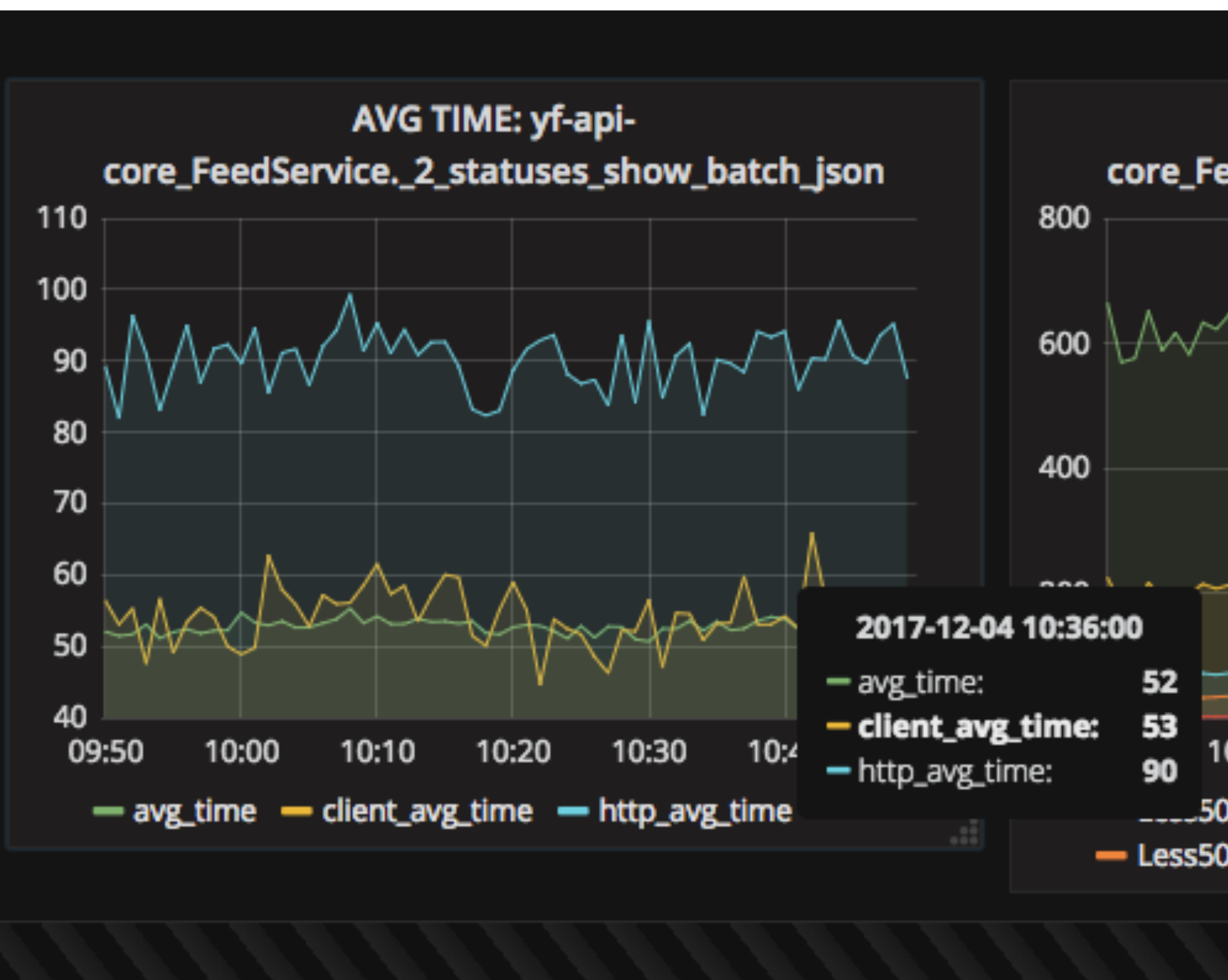
服务分组

URL

唯一刻画

我们依赖的只有服务







PHPCON 官网: www.phpconchina.com

全部 PPT 下载: <https://github.com/ThinkDevelopers/PHPConChina>

官方QQ群: 34449228、135615537

官方公众号: ThinkInLAMP

