

# 业务测试效率提升

B2B业务部-产品质量部

刘多嘉

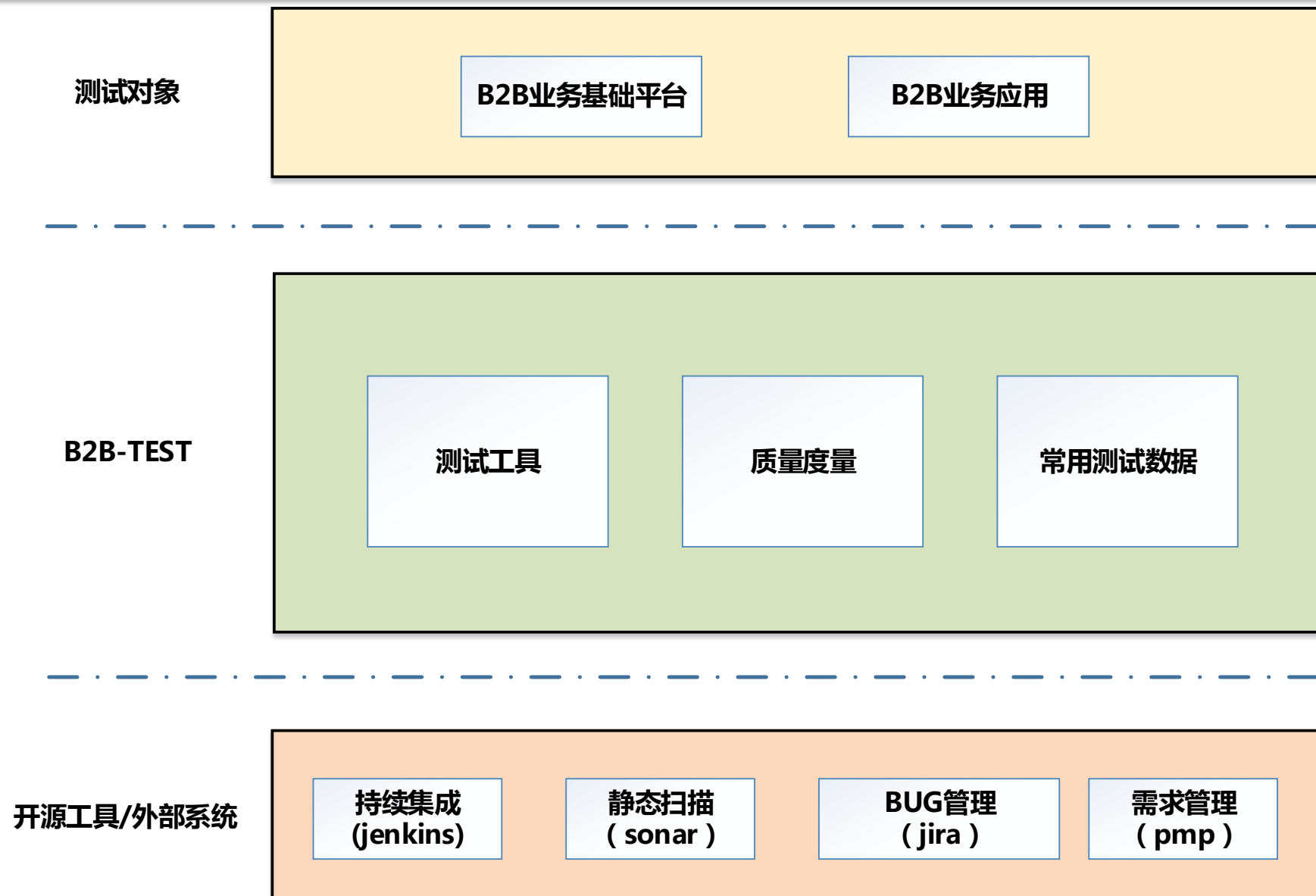
拔云



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# 一. B2B质量与效率提升概览

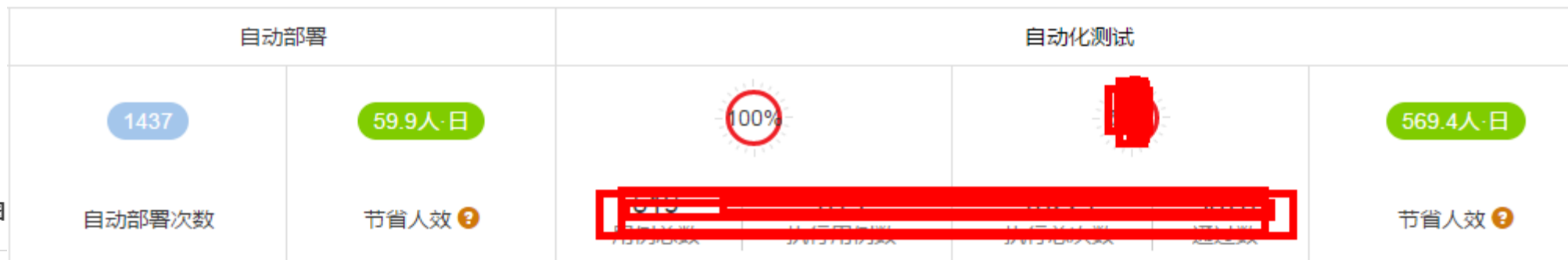


## B2B-TEST 时间维度 质量报告

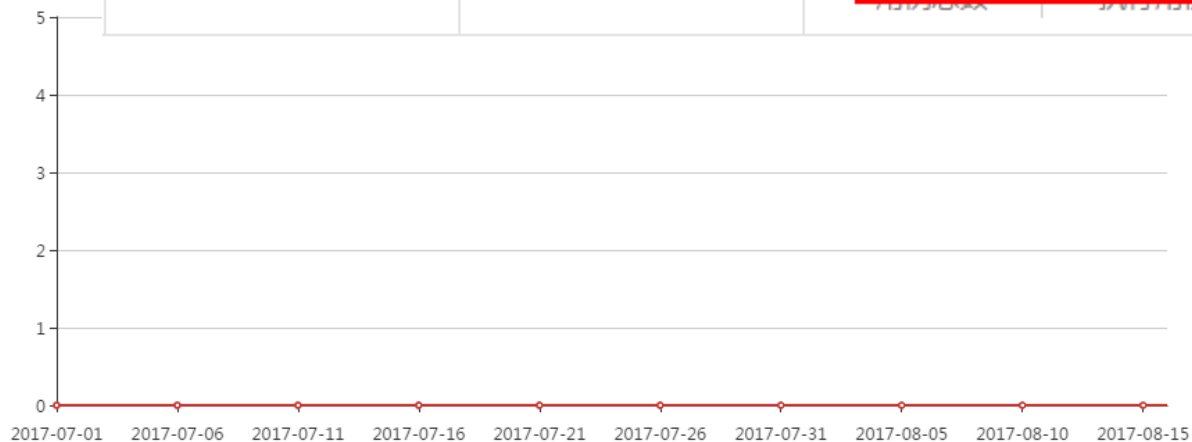
线上问题 [详情](#)



	大客户研发部	分销研发部	产品质量
一级	0	0	0
二级	0	0	0
三级	0	0	0
线上问题总积分	0	0	0
有效人数	27(2%)	10(1%)	7(%)



线上问题趋势图



## B2B测试工具

id	hd_use(export)	ip	user	name	update_time	df	操作
16	83%	192.168.102.63	root	192.168.102.63	2017-08-16 17:00:29	<pre> root Filesystem      Size  Used Avail Use% Mounted on rootfs          9.8G  1.7G  7.6G  19% / /dev/loop9     9.8G  1.7G  7.6G  19% / tmpfs           32G   0  32G   0% /dev shm             64M   0  64M   0% /dev/shm /dev/sda1      481G  196G  261G  43% /etc/resolv.conf /dev/sda1      481G  196G  261G  43% /etc/hostname                     </pre>	<a href="#">编辑</a> <a href="#">查看</a> <a href="#">删除</a>
4	81%	192.168.102.248	root	BTEST	2017-08-16 17:00:02	<pre> Filesystem      Size  Used Avail Use% Mounted on rootfs          9.8G  9.3G  16M 100% / /dev/loop3     9.8G  9.3G  16M 100% / tmpfs           63G   0  63G   0% /dev shm             64M   0  64M   0% /dev/shm /dev/sda1       96G  86G  6.1G  94% /etc/resolv.conf /dev/sda1       96G  86G  6.1G  94% /etc/hostname /dev/sda1       96G  86G  6.1G  94% /etc/hosts                     </pre>	<a href="#">编辑</a> <a href="#">查看</a> <a href="#">删除</a>
21	81%	192.168.148.104	root	192.168.148.104	2017-08-16 17:00:30	<pre> root Filesystem      Size  Used Avail Use% Mounted on /dev/sda2       20G  2.6G  17G  14% / tmpfs           3.9G   0  3.9G   0% /dev/shm /dev/sda1       9.9G  177M  9.2G   2% /boot /dev/sda5       81G  62G  15G  81% /export                     </pre>	<a href="#">编辑</a> <a href="#">查看</a> <a href="#">删除</a>

未选择任何文件

Import Test Cases

98b4d403ccda", "parentId": 0, "paymentType": 1, "shipmentTimeType": 3, "shipmentType": 65, "submitOrderTime": "2016-09-22 13:45:34", "submitResultTag": 1}, {"orderPayAdj": {"addMoney": 200, "created": "2016-09-22

修改 复制地址

22 13:46:53"

修改 复制地址

22 13:40:12"

修改 复制地址

## 二.贯穿软件生命周期-提升质量与效率

# 贯穿软件生命周期-提升质量与效率

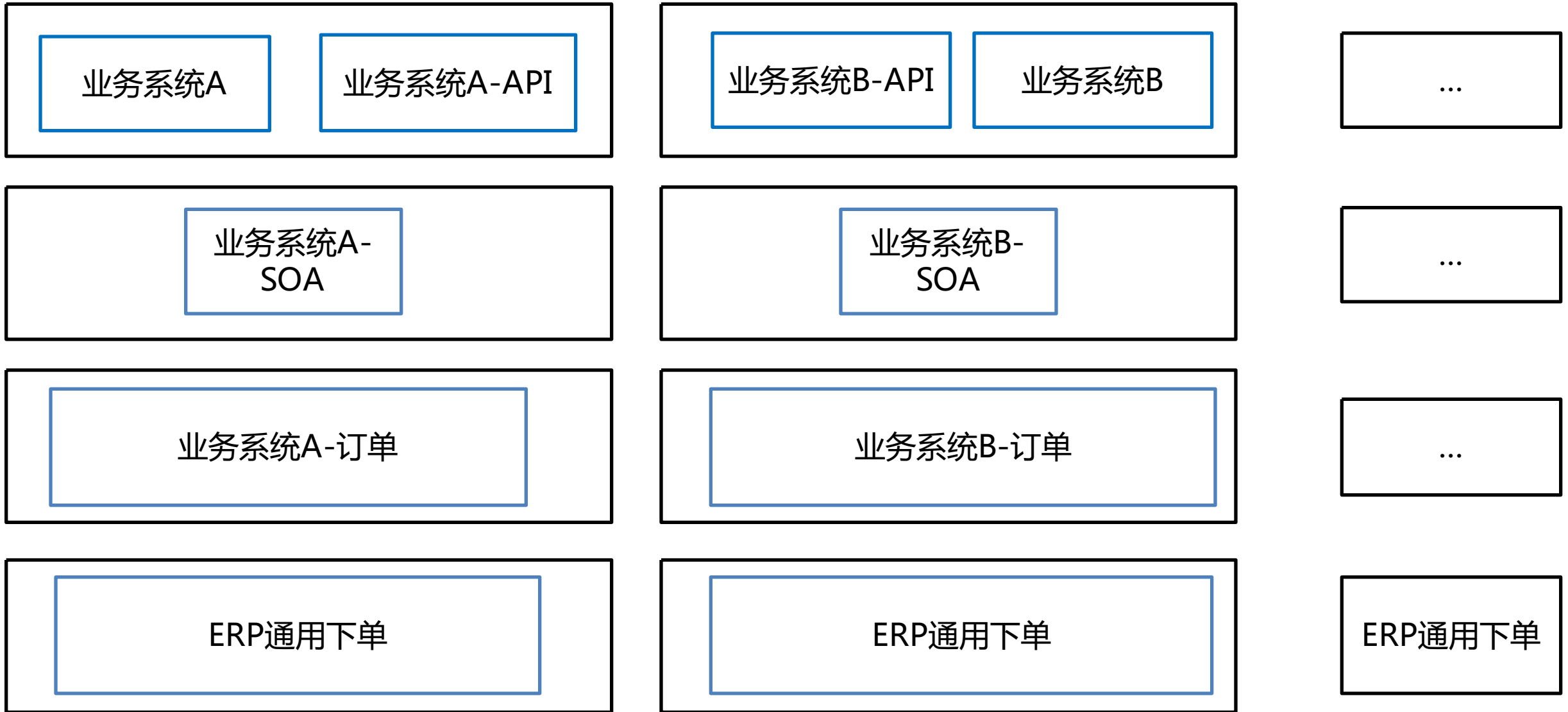




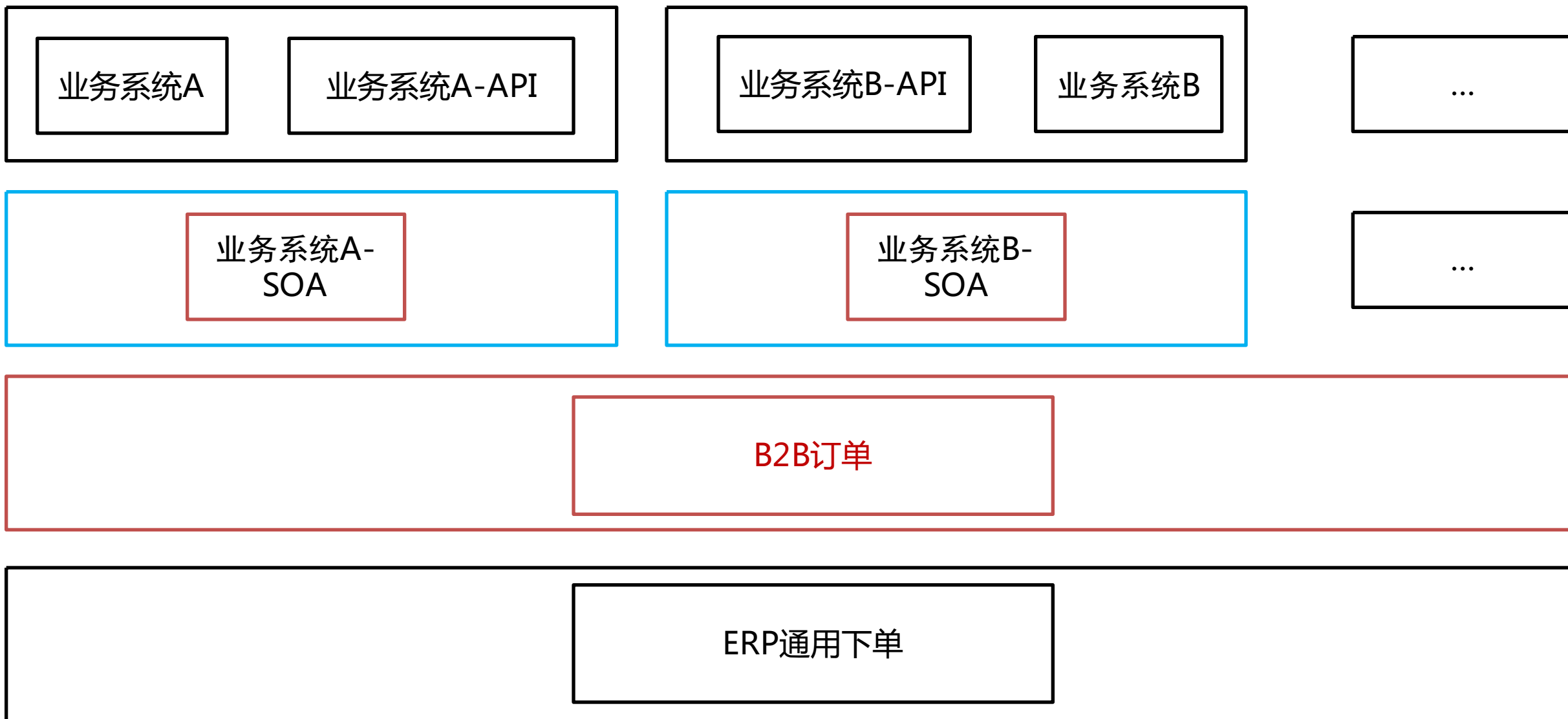
## 三.测试工具案例-提升效率和质量

——线上查询验证

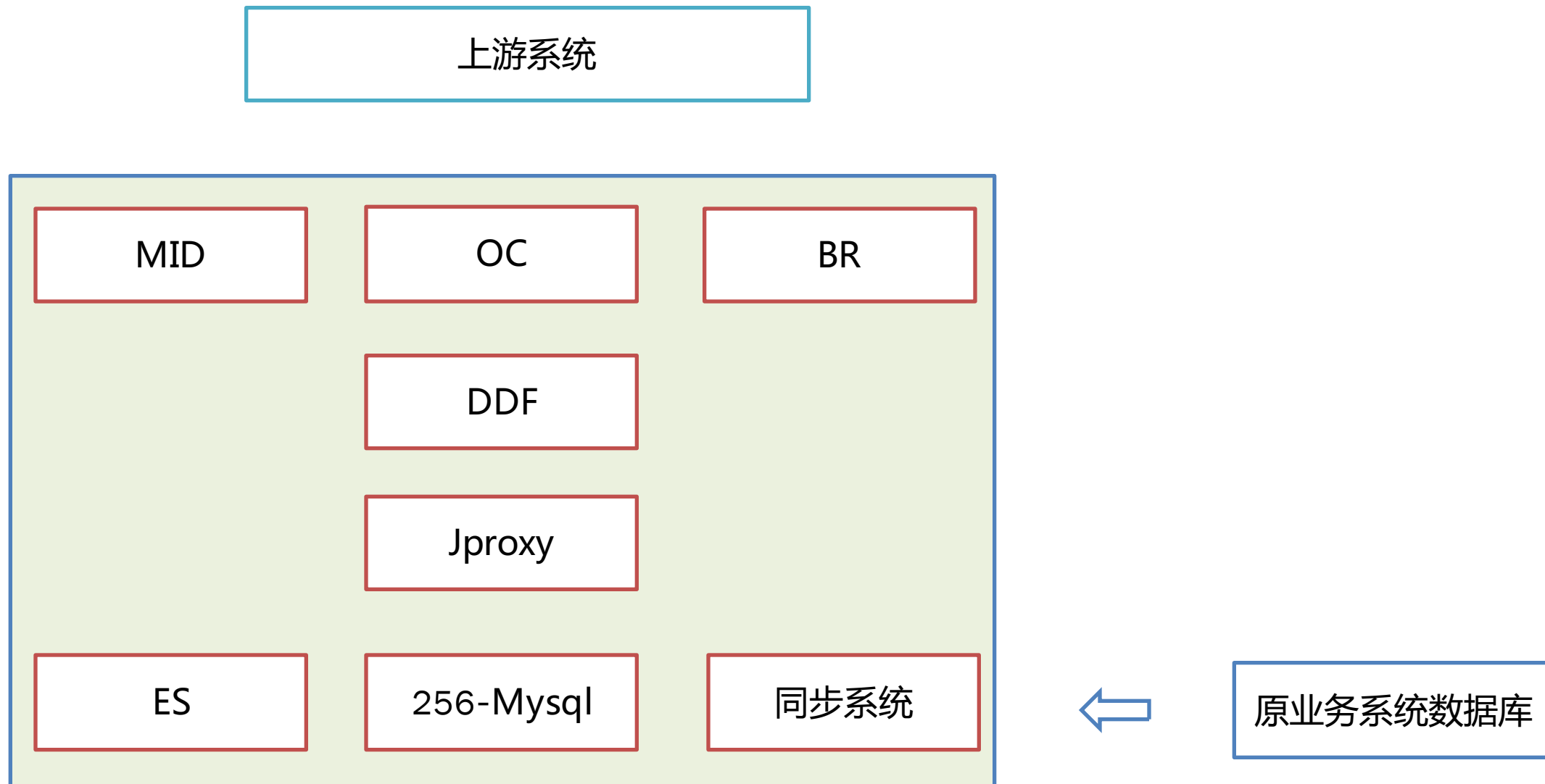
# 线上查询验证-原-B2B类业务系统



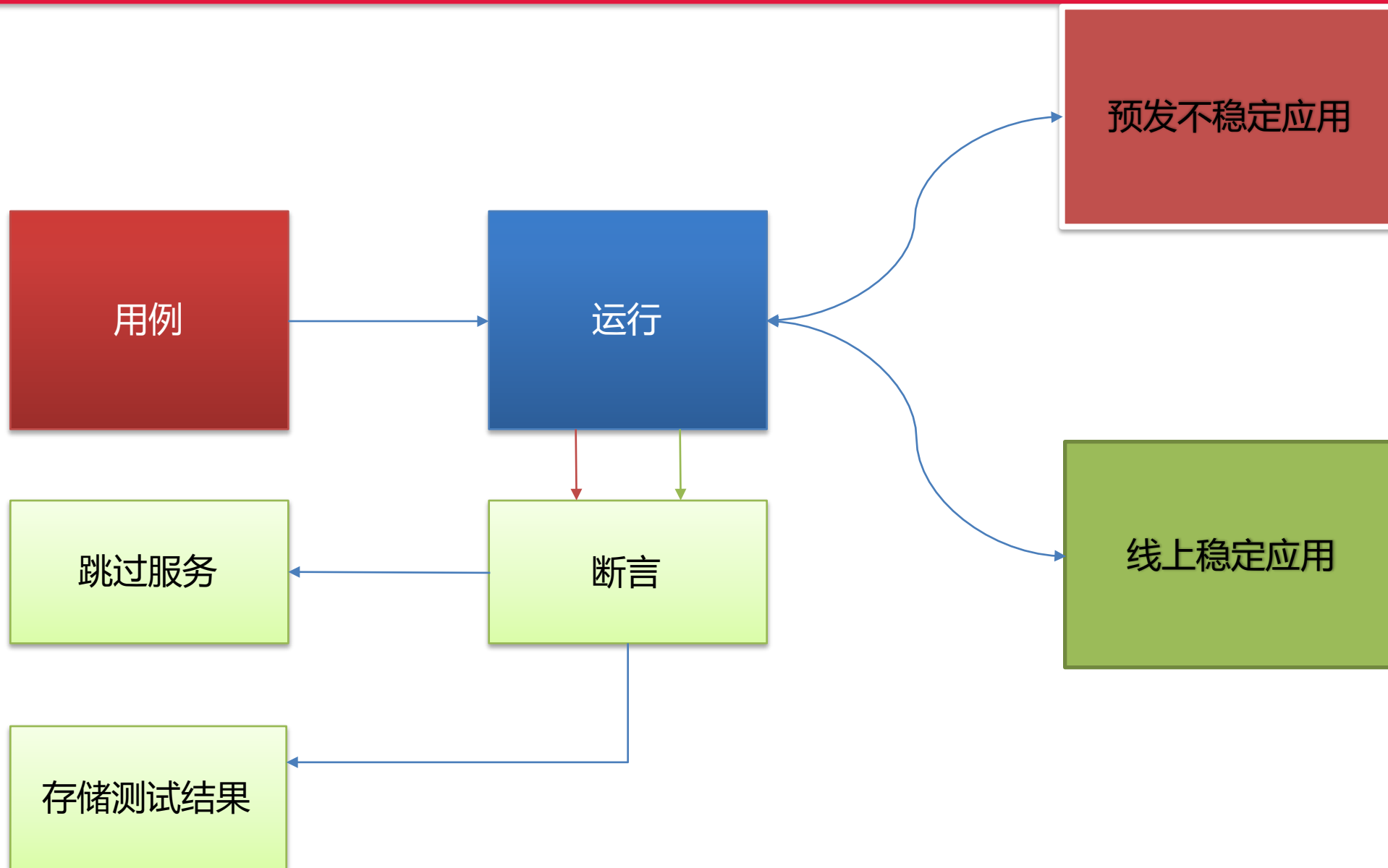
# 线上查询验证-现-B2B类业务系统



# 线上查询验证-B2B订单简图

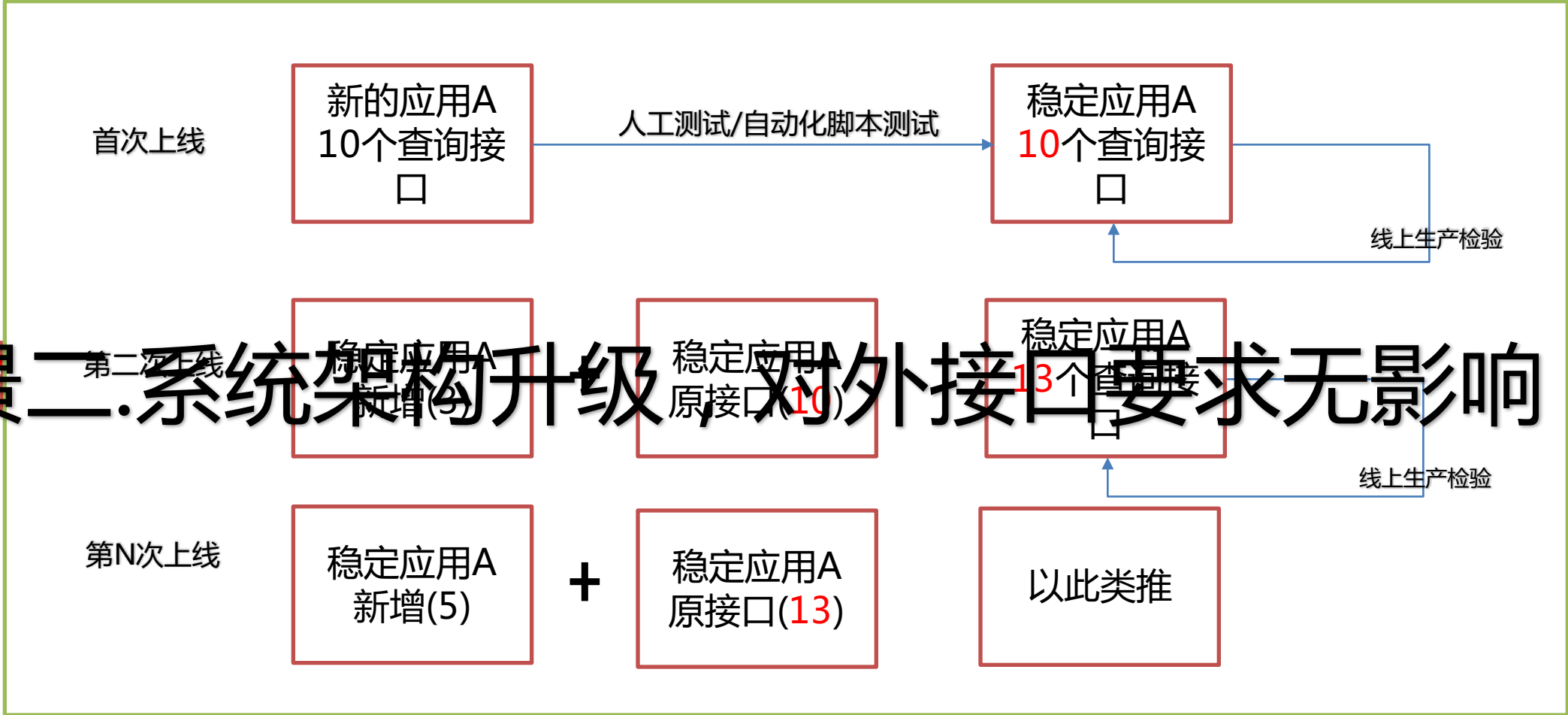


# 线上查询验证工具是如何测试的?



# 线上查询验证工具-应用场景

场景一.  
正常需求  
开发上线



场景二. 系统架构升级, 对外接口要求无影响



B2B产品质量 / B类业务产品质量空间 / 【线上与测试环境】查询验证对比工具

# 研发打印日志规范

编辑 关注 分享

由 刘多嘉 创建, 最终由 蒲腾飞 修改于 2017-07-31

## 实际例子

```
2016-12-20 17:23:57.819 [JSF-BZ-22000-42-T-254] INFO RPC_PROVIDER - 7cb82a293c995a94332d7c513614c69e -com.jd.b2b.mid.sdk.OrderMiddleProvider#getOrderInfo,入参:[{"jdOrderId":47024201817,"orderPlatform":1}, {"MAIN","SKU","SNAPSHOT","INVOICE","CONSIGNEE"}]
```

解释： JSF接口名称，最好是接口名称，不要实现类 |JSF接口方法名称： 方法参数数组方式输出[param1,param2,param3,param4],范例参数为： 2个参数,1个是对

象，1个是数组

```
[
  {
    "jdOrderId":47024201817,
    "orderPlatform":1
  },
  [
    "MAIN",
    "SKU",
    "SNAPSHOT",
    "INVOICE",
    "CONSIGNEE"
  ]
]
```

## 打印参考

### 实现类

```
package com.jd.sns.biz.api.web.aop;

import com.jd.ka.commons.codec.json.Json;
import com.jd.sns.biz.api.common.utils.log.LogBusinessIdUtils;
import com.jd.sns.biz.api.common.utils.log.LogHelper;
```

# 可以发现哪些问题?例子

btest.jd.com/b2bSelectCompareData1?id=58c75dac24247f5e0075f47d

```
1 {
2   "giftcardSkus": [{
3     "category": 6980,
4     "imageUrl": "jfs/t1168/152/499041147/88950/58da3400/5527a13bN2a822385.jpg",
5     "name": "自定义-1",
6     "num": 1,
7     "price": "1",
8     "skuId": 1445997
9   }],
10  "resultCode": "0",
11  "resultMessage": "成功",
12  "success": true,
13  "virtualOrder": {
14    "clientId": "vxptest0929",
15    "created": 1477558907000,
16    "id": 546964,
17    "ip": "10.14.134.31",
18    "isUseBalance": 0,
19    "jdOrderId": 42234211561,
20    "jdOrderState": 19,
21    "jdOrderStateTime": 1477558907000,
22    "mobile": "13699483485",
23    "modified": 1477558908000,
24    "orderPrice": "1",
25    "orderState": 1,
26    "orderStateTime": 1477558908000,
27    "orderType": 33,
28    "orderguid": "bizapi-clientId-12055d91-396d-4231-859f-4abec42949b4",
29    "payMoney": "1",
30    "payState": 1,
31    "paymentType": 4,
32    "pin": "WOPVSP测试",
33    "rechargeAccount": "12345678",
34    "sourceType": 2,
35    "state": 1,
36    "thirdOrderId": "WOPVSP测试9d86cae5-dca2-4a65-af d1-54abdfdc4869"
37  }
38 }
```

```
1 {
2   "giftcardSkus": [{
3     "category": 6980,
4     "imageUrl": "jfs/t1168/152/499041147/88950/58da3400/5527a13bN2a822385.jpg",
5     "name": "自定义-1",
6     "num": 1,
7     "price": "1",
8     "skuId": 1445997
9   }],
10  "resultCode": "0",
11  "resultMessage": "成功",
12  "success": true,
13  "virtualOrder": {
14    "clientId": "vxptest0929",
15    "created": 1477558907000,
16    "ip": "10.14.134.31",
17    "isUseBalance": 0,
18    "jdOrderId": 42234211561
19  },
20  "jdOrderState": 19,
21  "jdOrderStateTime": 1477558907000,
22  "mobile": "13699483485",
23  "modified": 1489995078000,
24  "orderPrice": "1",
25  "orderState": 1,
26  "orderStateTime": 1477558907000,
27  "orderType": 33,
28  "orderguid": "bizapi-clientId-12055d91-396d-4231-859f-4abec42949b4",
29  "payMoney": "1",
30  "payState": 1,
31  "paymentType": 4,
32  "pin": "WOPVSP测试",
33  "rechargeAccount": "12345678",
34  "sourceType": 2,
35  "state": 1,
36  "thirdOrderId": "WOPVSP测试9d86cae5-dca2-4a65-af d1-54abdfdc4869"
37 }
```



# 可以发现哪些问题?例子

```
← → ↻ ① btest.jd.com/http/b2bSelectCompareData1?id=58c66c6a24247fdcfdadf18c
```

```
1 {
2   "result": {
3     "jdOrderId":48575720030,
4     "orderPrice":1,
5     "sku":[{"
6       "category":6980,
7       "name":"自定义-1",
8       "num":1,
9       "price":1.00,
10      "skuId":1445997
11    }]
12  },
13  "resultCode":"0",
14  "resultMessage":"成功",
15  "success":true
16 }
```

```
1 {
2   "result": {
3     "jdOrderId":48575720030,
4     "orderPrice":1,
5     "sku":[{"
6       "category":6980,
7       "name":"自定义-1",
8       "num":1,
9       "price":1,
10      "skuId":1445997
11    }]
12  },
13  "resultCode":"0",
14  "resultMessage":"成功",
15  "success":true
16 }
```

# 可以发现哪些问题?例子

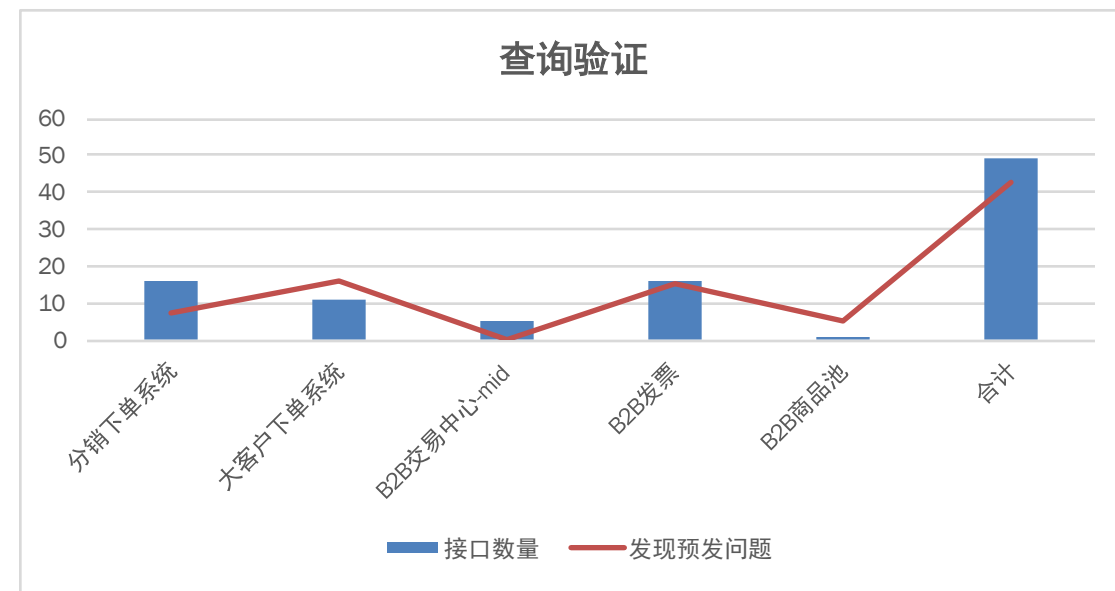
```
JD 统一配置中心 x B2B-TOOLS-CDLJD x 查询数据对比 x 查询数据对比 x B2B-ORDER [jenkin x BTEST - 乐晓 x cdrd-nbd-test / bt x 京东研发知识管理平 x JD 杰夫服务平台 x BTest x  
btest.jd.com/b2bSelectCompareData1?id=58c9e82624247f33e71fbfb6  
1 {  
2   "giftcardSkus": [  
3     {  
4       "category": "6080",  
5       "imageUrl": "jfs/A028/45/484357106/88060/58da3400/5527a09d185eba6e3.jpg",  
6       "name": "自定义-1000",  
7       "sum": 1,  
8       "price": "1000",  
9       "skuId": "1447662",  
10    },  
11    {  
12     "category": "6080",  
13     "imageUrl": "jfs/A1132/352/480635654/88060/58da3400/5527a0f11408ee4a2.jpg",  
14     "name": "自定义-500",  
15     "sum": 20,  
16     "price": "500",  
17     "skuId": "1447724",  
18    },  
19    {  
20     "category": "6080",  
21     "imageUrl": "jfs/A1045/355/491130067/88060/58da3400/5527a1421b021a847.jpg",  
22     "name": "自定义-100",  
23     "sum": 50,  
24     "price": "100",  
25     "skuId": "1446071",  
26    },  
27    {  
28     "category": "6080",  
29     "imageUrl": "jfs/A1144/82/474607310/88060/58da3400/5527a13f13e1e0e0.jpg",  
30     "name": "自定义-50",  
31     "sum": 95,  
32     "price": "50",  
33     "skuId": "1446023",  
34    }  
35  ],  
36  "resultCode": "0",  
37  "resultMessage": "成功",  
38  "success": true,  
39  "virtualOrder": {  
40    "clientId": "vop_pub_client_id",  
41    "created": "148061674000",  
42    "ip": "172.22.136.06",  
43    "isUseBalance": 0,  
44    "jdOrderId": "50360637580",  
45    "jdOrderState": "10",  
46    "jdOrderStateTime": "148061674000",  
47    "mobile": "13828474023",  
48    "orderPrice": "25250",  
49  }  
50 }
```

```
1 {  
2   "resultCode": "1001",  
3   "resultMessage": "pin不能为空",  
4   "success": false  
5 }
```

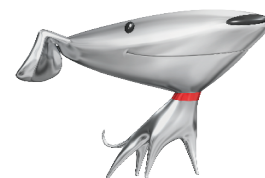
备注: 左边为原系统执行结果, 右边为B2B结果



预发查询验证			
系统	接口数量	发现预发问题	测试用例数
分销下单系统	16	7	73669
大客户下单系统	11	16	19017
B2B交易中心-mid	5	0	81459
B2B发票	16	15	32722
B2B商品池	1	5	157955
合计	49	43	364822



谢谢！  
Thank you!



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