# 通过航线数据获得是否有促销（立减、返豆）

## actSKU表中新增字段

### 测试环境：

ALTER TABLE `air\_prom\_bdata\_activitysku`

ADD `dep\_airportCode` varchar(3) NOT NULL DEFAULT '' COMMENT '出发机场三字码',

ALTER TABLE `air\_prom\_bdata\_activitysku`

ADD `arr\_airportCode` varchar(3) NOT NULL DEFAULT '' COMMENT '到达机场三字码';

### 线上

可能需要索引

ALTER TABLE `air\_prom\_bdata\_activitysku`

ADD `dep\_airportCode` varchar(3) NOT NULL DEFAULT '' COMMENT '出发机场三字码',

ADD `arr\_airportCode` varchar(3) NOT NULL DEFAULT '' COMMENT '到达机场三字码';

加索引一起

ALTER TABLE `air\_prom\_bdata\_activitysku`

ADD `dep\_airportCode` varchar(3) NOT NULL DEFAULT '' COMMENT '出发机场三字码',

ADD `arr\_airportCode` varchar(3) NOT NULL DEFAULT '' COMMENT '到达机场三字码',

ADD INDEX idx\_dep\_airportCode (dep\_airportCode),

ADD INDEX idx\_arr\_airportCode (arr\_airportCode);

## 历史表新增字段

表1：rule\_promotion\_activitysku\_201806

表2：rule\_promotion\_activitysku\_201812

ALTER TABLE `air\_prom\_bdata\_activitysku`

ADD `dep\_airportCode` varchar(3) NOT NULL DEFAULT '' COMMENT '出发机场三字码',

ADD `arr\_airportCode` varchar(3) NOT NULL DEFAULT '' COMMENT '到达机场三字码';

## MQ消费时插入字段

### 商品结构

[**1、2. 商品结构说明**](https://cf.jd.com/pages/viewpage.action?pageId=101382120)

promotion.jimware.alias=JMI\_WARE\_SERVICE\_88

在创建活动的MQ消息中，同步查询京米获得出发到达的机场信息。

### FindWareById全量商品信息

[findWareById--商品全量信息查询](http://cf.jd.com/pages/viewpage.action?pageId=101759229)

popId相同的JwareId不一定相同，所以需要每个sku都处理，调用findWareById查询商品全量信息

"code": 100,

"data": {

"catId": 2505041,

"categorySettingList": [],

"created": 1521292294000,

"features": {

"noShow": "1"

},

"jWareId": 200100174852,

"logo": "jfs/t34/323/183864031/104541/20b75f3a/580dc6c7N9b237c95.png",

"modified": 1521292297000,

"note": "CA8958航班",

"operateType": 520,

"outerId": "1000001",

"price": 999999999,

"quantity": 999999,

"shopId": 62962,

"skus": [{

"extSetting": [],

"extSkuSetting": "",

"jSkuId": 200100563016,

"jWareId": 200100174852,

"jmiSkuPrices": [],

"outerId": "10001",

"preStock": 0,

"quantity": 999999,

"saleList": [{

"attrValue": {

"aliasName": "K舱",

"valueObj": "K"

},

"fieldId": "858",

"letter": "clazz",

"type": "box"

}],

"skuId": 407,

"skuPrice": 30000,

"status": 1,

"wareId": 405

}],

"status": 1,

"subTitle": "CA8958航班",

"title": "CA8958航班",

"userName": "bjdiqi",

"venderId": 66262,

"wareId": 405,

"wareImages": [{

"created": 1521292294000,

"imgId": 489,

"imgPath": "jfs/t34/323/183864031/104541/20b75f3a/580dc6c7N9b237c95.png",

"indexId": 1,

"modified": 1521292294000,

"status": 1,

"wareId": 405

}],

"wareSettingList": [{

"attrValue": {

"aliasName": "长沙黄花国际机场",

"valueObj": "CSX"

},

"fieldId": "864",

"letter": "depAirportLetter",

"type": "linkage"

}, {

"attrValue": {

"aliasName": "中国国航CA8958",

"valueObj": "CSXNKG^CA8958"

},

"fieldId": "932",

"letter": "fligh",

"type": "linkage"

}, {

"attrValue": {

"aliasName": "中国国航",

"valueObj": "CA"

},

"fieldId": "857",

"letter": "airway",

"type": "box"

}, {

"attrValue": {

"aliasName": "长沙黄花国际-南京禄口国际",

"valueObj": "CSXNKG"

},

"fieldId": "931",

"letter": "airplaneline",

"type": "linkage"

}, {

"attrValue": {

"aliasName": "南京禄口国际机场",

"valueObj": "NKG"

},

"fieldId": "866",

"letter": "arrAirportLetter",

"type": "linkage"

}]

},

"msg": "调用成功"

}

### getWareBaseInfoByJWareId

[商品基本信息](https://cf.jd.com/pages/viewpage.action?pageId=101759615)

商品基本信息: {

"code": 100,

"data": {

"catId": 2505041,

"created": 1521292294000,

"jWareId": 200100174852,

"logo": "jfs/t34/323/183864031/104541/20b75f3a/580dc6c7N9b237c95.png",

"modified": 1521292297000,

"note": "CA8958航班",

"operateType": 520,

"outerId": "1000001",

"price": 999999999,

"quantity": 999999,

"shopId": 62962,

"status": 1,

"subTitle": "CA8958航班",

"title": "CA8958航班",

"userName": "bjdiqi",

"venderId": 66262,

"wareId": 405,

"wareImages": [{

"created": 1521292294000,

"imgId": 489,

"imgPath": "jfs/t34/323/183864031/104541/20b75f3a/580dc6c7N9b237c95.png",

"indexId": 1,

"modified": 1521292294000,

"status": 1,

"wareId": 405

}],

"wareSettingList": [{

"attrValue": {

"valueObj": "CSX"

},

"fieldId": "864",

"letter": "depAirportLetter",

"type": "linkage"

}, {

"attrValue": {

"valueObj": "CSXNKG^CA8958"

},

"fieldId": "932",

"letter": "fligh",

"type": "linkage"

}, {

"attrValue": {

"valueObj": "CA"

},

"fieldId": "857",

"letter": "airway",

"type": "box"

}, {

"attrValue": {

"valueObj": "CSXNKG"

},

"fieldId": "931",

"letter": "airplaneline",

"type": "linkage"

}, {

"attrValue": {

"valueObj": "NKG"

},

"fieldId": "866",

"letter": "arrAirportLetter",

"type": "linkage"

}]

},

"msg": "调用成功"

}

## 缓存刷新

### 写缓存

创建活动MQ消费后，异步写缓存

Key：air\_base\_rule\_prom\_airline\_act\_PEK\_SHA

Value: actId

即该航线下的活动id

### 删缓存

Worker中，每天零点跑，删除航线下活动的缓存、

## 接口开发

### Jar包提供

airplane-consumer：1.0.0.20180710-SNAPSHOT

airplane-model：1.0.0.20180710-SNAPSHOT

因为要用到基础数据，所以在前台中提供jsf接口

### 航线促销活动查询 [jipiao.search.flight.airline.activity.data.handler](http://ump.jd.com/performanceReport/initPage.action?queryMap.appName=jipiao&queryMap.analysisFrequency=5&queryMap.appId=2676&queryMap.accessKey=jipiao.search.flight.airline.activity.data.handler&queryMap.departCode=35658&queryMap.rowNum=20&queryMap.nowPage=1&queryMap.searchKey=&queryMap.groupId=&queryMap.searchStatus=&queryMap.sortName=&queryMap.sortOrder=asc)方法监控

* **方法签名：**public AirResponse<QueryAirlineActivityResponse> queryAirlineActivityInfo(QueryAirlineActivityRequest request)
* **请求参数对象：QueryAirlineActivityRequest ,参数定义：**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必须 | 描述 |
| sourceType | String | Y | 来源，WEB,H5,APP |
| depCityCode | String | Y | 出发城市三字码 |
| arrCityCode | String | Y | 到达城市三字码 |
| flightDate | String | Y | 起飞日期（yyyy-MM-dd） |

* **返回数据对象：AirResponse<QueryAirlineActivityResponse>**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名 | 类型 | 可否为空 | 描述 |
| code | int | N | 200: 成功  300：服务器内部错误  400：参数错误 |
| errorMsg | String | Y | 异常失败描述 |
| data | SearchProvisionResponse | Y | 航线促销信息返回 |

* SearchProvisionResponse

|  |  |  |
| --- | --- | --- |
| 参数 | 类型 | 描述 |
| hasActivity | Boolean | 航线在起飞日期是否有促销活动（立减、返豆） |

## 报警

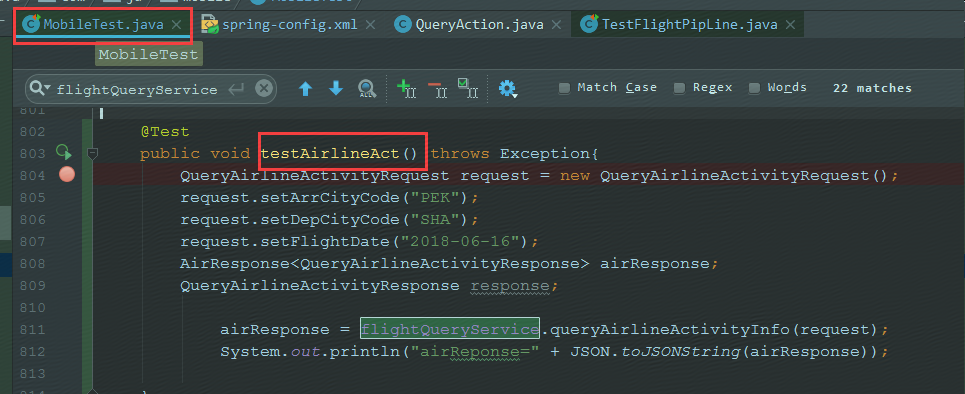
报警异步。FlightPostHandler中每次查询时异步根据航线查询缓存，获得是否有活动的信息。与查询完后的是否有促销信息比较，若前面有后面没有则报警。



## 测试：

{"uuid":"983\_66262\_1000412602","content":{"acId":983,"orderType":35,"popId":1000412602,"venderId":66262,"mqType":1}}

### Jsf接口测试：



测试场景：

1.出发城市，到达城市都有对应机场三字码，缓存中没有数据

SHA---PEK，四个key下都没有缓存数据

2.XIY---PEK，两个key下都没有缓存数据

3.HGH---XIY，一个key下有两个活动id，但是在内存中没有