## 说明书及流程图

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## 功能点

1. 开发一个kafka生产者,接入s3的数据

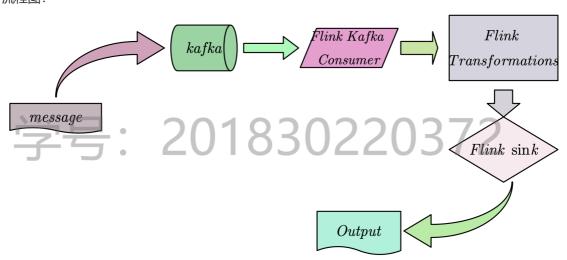
• 流程图:



- 主文件: hw3/Main.scala
- 操作说明:程序会将s3的数据读入,然后数据流入kafka。
- 操作结果:

开始生产数据: {"buy\_time":"2019-04-02 20:55:02.0","buy\_address":"达州市流花路122号","origin":"达州市","destination":"宜宾市","username' 开始生产数据: {"buy\_time":"2019-05-11 20:35:05.0","buy\_address":"池尾市环市东路326号之一","origin":"池尾市","destination":"达州市","user 开始生产数据: {"buy\_time":"2019-07-18 18:24:55.0","buy\_address":"惠州市环市东路326号之一","origin":"惠州市","destination":"张川市","user 开始生产数据: {"buy\_time":"2019-01-14 15:52:34.0","buy\_address":"惠州市畲藏景路黄田直街1-2号","origin":"惠州市","destination":"染州市市,"usern 开始生产数据: {"buy\_time":"2019-08-18 16:53:25.0","buy\_address":"内江市环市东路368号","origin":"为江市","destination":"染材市","usern 开始生产数据: {"buy\_time":"2019-08-25 16:18:55.0","buy\_address":"武汉市为诸路451号","origin":"武汉市","destination":"张家界市","usern 开始生产数据: {"buy\_time":"2019-08-25 16:18:55.0","buy\_address":"西尔市东路451号","origin":"哈尔滨市","destination":"帝阳市", "usern 开始生产数据: {"buy\_time":"2019-08-25 16:18:55.0","buy\_address":"西尔市东路451号","origin":"哈尔滨市","destination":"帝阳市", "usern 开始生产数据: {"buy\_time":"2019-08-25 16:18:55.0","buy\_address":"西尔市东路451号","origin":"哈尔滨市","destination":"帝阳市", "usern 开始生产数据: {"buy\_time":"2019-08-13 14:52:20.0","buy\_address":"西尔市东路南路23号(近区庄立交)","origin":"西尔市","destination":"南京市","usern 开始生产数据: {"buy\_time":"2019-06-10 12:33:42.0","buy\_address":"西尔市东路南路23号(近区庄立交)","origin":"南京市","destination":"南京市","usern 开始生产数据: {"buy\_time":"2019-07-10 20:32:58.0","buy\_address":"由市东照南市东照南路23号","origin":"南京市","destination":"南京市","username 开始生产数据: {"buy\_time":"2019-07-10 20:32:58.0","buy\_address":"由中市麓景路黄田直街1-2号","origin":"中市","destination":"南京市","username 于场生产数据: {"buy\_time":"2019-07-10 20:32:58.0","buy\_address":"巴中市麓景路黄田直街1-2号","origin":"中市","destination":"南京市","username":"吴市

- 2. 开发flink程序对接kafka的队列消息
- 流程图:



• 主文件: hw3/Main2.scala

• 操作说明:根据kafka地址获取文件内容

## • 操作结果:

## 3. 对消息内容按关键字数组进行归类、将归类结果写入S3存储

- 主文件: hw3/Main3.scala
- 操作说明: [origin="济南市"]进行归类分组
- 操作结果:

{"value":{"buy\_time":"2019-10-05 12:00:08.0","buy\_address":"济南市天河路188号","origin":"济南市","destination":"珠海市","username"
{"value":{"buy\_time":"2019-09-06 17:49:11.0","buy\_address":"济南市东风路391号","origin":"济南市","destination":"茂名市","username"
{"value":{"buy\_time":"2019-09-06 17:49:11.0","buy\_address":"济南市东风路391号","origin":"济南市","destination":"為鲁木齐市","userna
{"value":{"buy\_time":"2019-09-05 11:46:04.0","buy\_address":"济南市环市东路326号之一","origin":"济南市","destination":"益阳市","userna
{"value":{"buy\_time":"2019-09-05 16:37:21.0","buy\_address":"济南市沿近东路451号","origin":"济南市","destination":"攀枝花市","userna
{"value":{"buy\_time":"2019-08-30 13:12:34.0","buy\_address":"济南市环市东路326号?","origin":"济南市","destination":"东市市","username
{"value":{"buy\_time":"2019-08-30 13:12:34.0","buy\_address":"济南市环市东路326号?","origin":"济南市","origin":"济南市","destination'
{"value":{"buy\_time":"2019-08-30 13:11:16.0","buy\_address":"济南市环市东路326号?","origin":"济南市","destination'
{"value":{"buy\_time":"2019-09-10 19:45:50.0","buy\_address":"济南市环市东路326号?","origin":"济南市","destination'
{"value":{"buy\_time":"2019-08-26 10:46:51.0","buy\_address":"济南市环市东路367号","origin":"济南市","destination'
{"value":{"buy\_time":"2019-08-26 10:46:51.0","buy\_address":"济南市环市东路367号","origin":"济南市","destination":"两江市","username