一、安装环境

```
1.操作系统：CentOS Linux release 7.5.1804
2.软件版本：
    kafka:kafka_2.12-1.0.2
    zookeeper:zookeeper-3.4.14
    nginx:1.15.6
```

host	kafka	zookeeper	nginx
xmj(192.168.238.170)			√
xmjmaster(192.168.238.160)	√	√	
xmjslave1(192.168.238.161)	√	√	
xmjslave2(192.168.238.162)	√	√	

二、安装配置

1.zookeeper安装配置

```
1)解压缩
tar -zxf zookeeper-3.4.14.tar.gz -C /usr/local
```

```
2）配置文件
cd /usr/local/zookeeper-3.4.14/conf
cp zoo_sample.cfg zoo.cfg
vim zoo.cfg

#设置dataDir和dataLogDir
dataDir=/usr/local/zookeeper-3.4.14/data
dataLogDir=/usr/local/zookeeper-3.4.14/data/logs

#添加集群配置
server.1=192.168.238.160:2881:3881
server.2=192.168.238.161:2881:3881
server.3=192.168.238.162:2881:3881
```

```
3）配置myid
cd /usr/local/zookeeper-3.4.14/data
vim myid
(xmjmaster:1,xmjslave1:2,xmjslave2:3)
```

```
4)配置环境变量
vim /etc/profile
export ZOOKEEPER_PREFIX=/usr/local/zookeeper-3.4.14
export PATH=$PATH:$ZOOKEEPER_PREFIX/bin
source /etc/profile
```

```
5)启动zookeeper集群
zkServer.sh start
##查看集群状态
zkServer.sh status
```

```
[root@xmjslave1 data]# zkServer.sh status
ZooKeeper JMX enabled by default
Using config: /usr/local/zookeeper-3.4.14/bin/../conf/zoo.cfg
Mode: leader
```

```
[root@xmjmaster data]# zkServer.sh status
ZooKeeper JMX enabled by default
Using config: /usr/local/zookeeper-3.4.14/bin/../conf/zoo.cfg
Mode: follower
```

```
[root@xmjslave2 data]# zkServer.sh status
ZooKeeper JMX enabled by default
Using config: /usr/local/zookeeper-3.4.14/bin/../conf/zoo.cfg
Mode: follower
```

2.kafka安装配置

```
1）上传kafka_2.12-1.0.2.tgz到服务器并解压(xmjmaster)
tar -zxf kafka_2.12-1.0.2.tgz -C /usr/local
```

```
2)拷贝到xmjslave1和xmjslave2
scp -r /usr/local/kafka_2.12-1.0.2/ xmjslave1:/usr/local
scp -r /usr/local/kafka_2.12-1.0.2/ xmjslave2:/usr/local
```

```
3）配置环境变量并生效
vim /etc/profile

export KAFKA_HOME=/usr/local/kafka_2.12-1.0.2
export PATH=$PATH:$KAFKA_HOME/bin

source /etc/profile
```

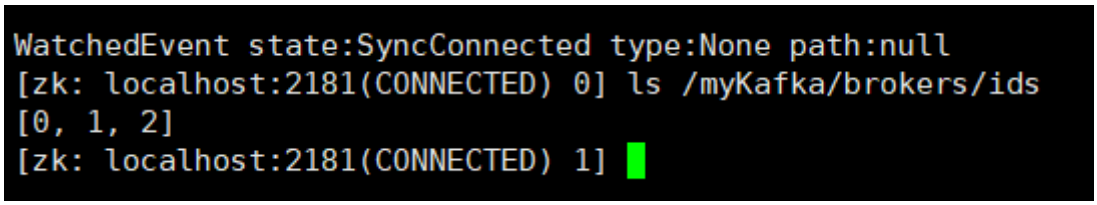
```
4）配置/usr/local/kafka_2.12-1.0.2/config中的server.properties文件
vim /usr/local/kafka_2.12-1.0.2/config/server.properties

##broker.id (xmjmaster:0 xmjslave1:1 xmjslave2:2)
broker.id=0
listeners=PLAINTEXT://:9092
##填写对应host
advertised.listeners=PLAINTEXT://xmjmaster:9092
log.dirs=/var/xmj/kafka/kafka-logs
zookeeper.connect=xmjmaster:2181,xmjslave1:2181,xmjslave2:2181/myKafka
```

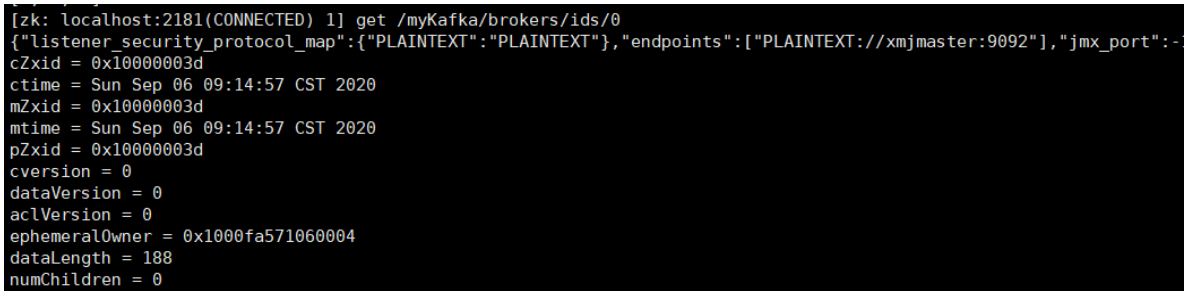
5）启动kafka

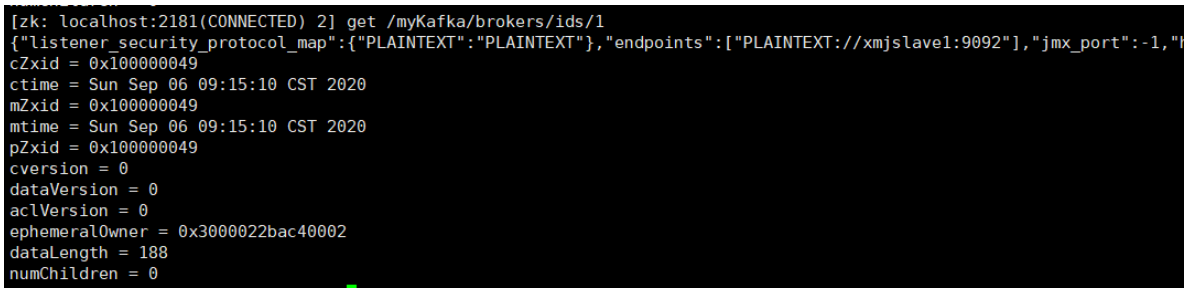
```
kafka-server-start.sh /usr/local/kafka_2.12-1.0.2/config/server.properties
kafka-server-start.sh -daemon /usr/local/kafka_2.12-
1.0.2/config/server.properties

##停止kafka
kafka-server-stop.sh
```

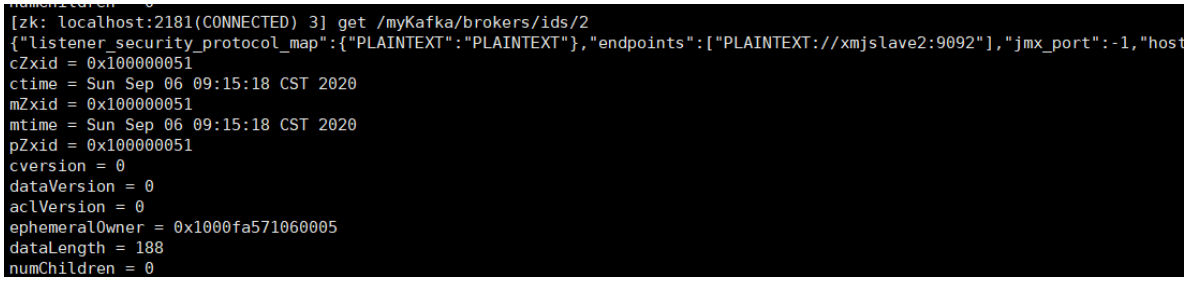
5）查看zk节点

```
ls /myKafka/brokers/ids
get /myKafka/brokers/ids/0
get /myKafka/brokers/ids/1
get /myKafka/brokers/ids/2
```









3.nginx ngx_kafka_module安装配置

1)安装librdkafka

```
git clone https://github.com/edenhill/librdkafka
cd librdkafka
./configure
make
make install
```

2）配置nginx

```
git clone https://github.com/brg-liuwei/ngx_kafka_module
wget http://nginx.org/download/nginx-1.15.6.tar.gz
cd nginx-1.15.6/
./configure --prefix=/usr/local/nginx --add-module=/usr/local/ngx_kafka_module
make
make install

#错误信息
./nginx: error while loading shared libraries: librdkafka.so.1: cannot open
shared object file: No such file or directory

echo "/usr/local/lib" >> /etc/ld.so.conf
ldconfig
```

```
[root@xmj sbin]# ./nginx -V
./nginx: error while loading shared libraries: librdkafka.so.1: cannot open shared object file: No such file or directory
[root@xmj sbin]# echo "/usr/local/lib" >> /etc/ld.so.conf
[root@xmj sbin]# ldconfig
[root@xmj sbin]# ./nginx -V
nginx version: nginx/1.15.6
built by gcc 4.8.5 20150623 (Red Hat 4.8.5-39) (GCC)
configure arguments: --prefix=/usr/local/nginx --add-module=/usr/local/ngx_kafka_module
[root@xmj sbin]#
```

三、测试

```
zkServer.sh start
zkServer.sh status

kafka-server-start.sh -daemon /usr/local/kafka_2.12-
1.0.2/config/server.properties

kafka-topics.sh --zookeeper localhost/myKafka --list

kafka-console-consumer.sh --bootstrap-server localhost:9092 --topic
tp_individual

curl http://localhost/kafka/tp_individual -d "message send to kafka topic"
```

```
[root@xmjmaster ~]# kafka-console-consumer.sh --bootstrap-server localhost:9092 --topic tp_individual
message send to kafka topic
user_id=10000&act_time=1599391059620&action=click&job_code=20001
user_id=10000&act_time=1599391431539&action=click&job_code=20001
user_id=10000&act_time=1599391444601&action=job_collect&job_code=20001
user_id=10000&act_time=1599391451033&action=cv_send&job_code=20001
user_id=10000&act_time=1599391454586&action=cv_upload&job_code=20001
user_id=10000&act_time=1599391458438&action=click&job_code=20002
user_id=10000&act_time=1599391464255&action=job_collect&job_code=20002
user_id=10000&act_time=1599391465097&action=cv_send&job_code=20002
user_id=10000&act_time=1599391465590&action=cv_upload&job_code=20002
^CProcessed a total of 10 messages
[root@xmjmaster ~]#
```

备注

正常情况kafka收集日志感觉应该是需要做类似埋点的东西，点击、收藏等操作有自己在后台访问controller做些处理，演示中的就是直接调用的nginx配置的kafka的主题，没有业务处理的部分