

kafka扩容手册

添加机器，修改每台机器的配置

1. 修改原来配置

原配置：

```
broker.id=0
host.name=192.168.140.151
port=9092
num.network.threads=3
num.io.threads=8
socket.send.buffer.bytes=102400
socket.receive.buffer.bytes=102400
socket.request.max.bytes=104857600
log.dirs=/opt/bigdata/kafka/data
num.partitions=1
num.recovery.threads.per.data.dir=1
offsets.topic.replication.factor=1
transaction.state.log.replication.factor=1
transaction.state.log.min.isr=1
log.retention.hours=168
log.segment.bytes=1073741824
log.retention.check.interval.ms=300000
zookeeper.connect=hadoop01:2181,hadoop02:2181,hadoop03:2181
zookeeper.connection.timeout.ms=6000
group.initial.rebalance.delay.ms=0

group.min.session.timeout.ms=6000
group.max.session.timeout.ms=1000000
```

修改后：

```
broker.id=0 #根据机器修改
host.name=hadoop01 #根据机器修改
port=9092
num.network.threads=3
num.io.threads=8
socket.send.buffer.bytes=102400
socket.receive.buffer.bytes=102400
socket.request.max.bytes=104857600
log.dirs=/opt/bigdata/kafka/data
num.partitions=1
num.recovery.threads.per.data.dir=1
offsets.topic.replication.factor=1
transaction.state.log.replication.factor=1
transaction.state.log.min.isr=1
```

```
log.retention.hours=168
message.max.byte=5242880
default.replication.factor=2
replica.fetch.max.bytes=5242880
log.segment.bytes=1073741824
log.retention.check.interval.ms=300000
zookeeper.connect=hadoop01:2181,hadoop02:2181,hadoop03:2181
zookeeper.connection.timeout.ms=6000
group.initial.rebalance.delay.ms=0
group.min.session.timeout.ms=6000
group.max.session.timeout.ms=1000000
delete.topic.enable=true
```

2. 将修改好的kafka scp到新的机器上

```
scp -r ${kafka_home} xxx@node:/xxx/xxx
```

3. 启动集群

```
kafka-server-stop.sh
kafka-server-start.sh -daemon /xxxxxx/xxx/x/xx/server.properties
```

4. 选择要同步的topic, 自己编辑json文件如:

```
{
  "topics": [
    {
      "topic": "test"
    },
    {
      "topic": "test1"
    }
  ],
  "version": 1
}
```

5. 生成重新分配topic的方案

```
kafka-reassign-partitions.sh --zookeeper hadoop01:2181 --topics-to-move-json-file topic-movie.json --broker-list "0,1,2" --generate
```

这个命令会返回一个json串, 即自动分配好的,自己创建文件将结果放入文件中如:

创建 reassignment.json 文件里面添加之前命令返回的结果

```
{ "version": 1, "partitions": [ { "topic": "test1", "partition": 0, "replicas": [ 2 ], "log_dirs": [ "any" ] }, { "topic": "test", "partition": 0, "replicas": [ 0 ], "log_dirs": [ "any" ] } ] }
```

6. 执行分配方案

```
kafka-reassign-partitions.sh --zookeeper hadoop01:2181 --reassignment-json-file reassignment.json --execute
```

Successfully started reassignment of partitions.

当看到最后返回这个时，说明已经执行成功了

7. 如果要查看执行效率，可以通过：

```
kafka-reassign-partitions.sh --zookeeper hadoop01:2181 --reassignment-json-file reassignment.json --verify
```

进行查看 当都返回**successfully**怎么说明扩容成功了

is still in progress 是正在处理
successfully 是处理完成