kafka学习笔记-learning1

环境安装 (Linux上的安装使用)

环境及软件版本

LINUX : CentSO-8.2.2004-x86_64

• JDK: 11.0.8

• Zookeeper: 3.6.2

下载地址: https://mirror.bit.edu.cn/apache/zookeeper/zookeeper-3.6.2/apache-zookeeper-3.6.2-

bin.tar.gz

kafka: 2.13-2.6.0

下载地址: https://mirror.bit.edu.cn/apache/kafka/2.6.0/kafka 2.12-2.5.0.tgz

软件安装

• Java 安装

```
yum install java-11-openjdk-devel.x86_64
```

检查安装情况

```
| S.S.64.modute_etc.0.041143861080 | Apporteam | S.S.64.modute_etc.0.041143861080 | Apporteam | S.S.64.modute_etc.0.041143861080 | S.S.64.modute_etc.0.0411438610 | S.S.6
```

安装zookeeper

到安装包目录下执行命令

```
tar -zxvf apache-zookeeper-3.6.2-bin.tar.gz
```

zookeeper 配置

```
cp zoo_sample.cfg zoo.cfg
vi zoo.cfg
```

修改dataDir, dataLogDir

```
The number of milliseconds of each tick
tickTime=2
 The number of ticks that the initial
# synchronization phase can take
initLimit=1
# The number of ticks that can pass between
# sending a request and getting an acknowledgement
syncLimit=5
synctimit=
# the directory where the snapshot is stored.
# do not use /tmp for storage, /tmp here is just
# example sakes.
dataDir=
dataLogDir=
 the port at which the clients will connect
clientPort=2
# the maximum number of client connections.
# increase this if you need to handle more clients
#maxClientCnxns=60
# Be sure to read the maintenance section of the
# administrator guide before turning on autopurge.
#autopurge.snapRetainCount=3
# Purge task interval in hours
# Set to "0" to disable auto purge feature
#autopurge.purgeInterval=1
## Metrics Providers
                                                                                                                                                                                                                                                            Top
```

启动命令

./zkServer.sh start

检查安装命令

./zkServer.sh status

运行结果如下

```
[solomon@localhost apache-zookeeper-3.6.2-bin]$ cd bin
[solomon@localhost bin]$ ./zkServer.sh status
/usr/bin/java
ZooKeeper JMX enabled by default
Jsing config: /home/solomon/Documents/apache-zookeeper-3.6.2-bin/bin/../conf/zoo.cfg
Tilent port found: 2181. Client address: localhost. Client SSL: false.
Hode: standalone
[solomon@localhost bin]$ [
```

安装Kafka

到安装包目录下执行命令

```
tar -xvf kafka_2.13-2.6.0.tgz
```

kafka配置文件

```
cd config
vi server.properties
```

修改如下

```
broker.id=1 #三台机器的id分别为1, 2, 3
listeners=PLAINTEXT://192.168.56.130:9092 #设置为每台机器各自的IP
log.dirs=/tmp/kafka-logs
offsets.topic.replication.factor=3
transaction.state.log.replication.factor=3
transaction.state.log.min.isr=1
zookeeper.connect=localhost:2181
```

启动

进入安装目录

./bin/kafka-server-start.sh -daemon config/server.properties

查看状态

```
[3]+ Stopped vim server.properties
[solomon@localhost config]$ jps
13447 Jps
3337 QuorumPeerMain
3497 Kafka
[solomon@localhost config]$
```

- Kafka 常用命令工具
 - 。创建Topic

创建一个Topic,使用一个partiton

bin/kafka-topics.sh --bootstrap-server 192.168.159.130:9092 --create --topic myTopic

```
[solomon@localhost kafka_2.13-2.6.0]$ bin/kafka-topics.sh --bootstrap-server 192.168.159.130:9092 --create --topic myTopic Created topic myTopic.
[solomon@localhost kafka_2.13-2.6.0]$
```

。 查看创建的Topic

bin/kafka-topics.sh --bootstrap-server 192.168.159.130:9092 --describe --topic myTopic

```
[solomon@localhost kafka_2.13-2.6.0]$ bin/kafka-topics.sh --bootstrap-server 192.168.159.130:9092 --describe --topic myTopic
Topic: myTopic PartitionCount: 1 ReplicationFactor: 1 Configs: segment.bytes=1073741824

Topic: myTopic Partition: 0 Leader: 1 Replicas: 1 Isr: 1

[solomon@localhost kafka_2.13-2.6.0]$
```

。生产者

发送消息进入消息模式

可以向队列输入消息

bin/kafka-console-producer.sh --bootstrap-server 192.168.159.130:9092 --topic myTopic

```
| Topic: myTopic Fartition: 0 Leader: 1 Kepticas: 1 IST: 1 | [solomon@localhost kafka_2.13-2.6.0]$ bin/kafka-console-producer.sh --bootstrap-server 192.168.159.130:9092 --topic myTopic | shello pip |
```

。 消费者

接收队列里的消息

bin/kafka-console-consumer.sh --bootstrap-server 192.168.159.130:9092 --topic myTopic

```
[solomon@localhost kafka_2.13-2.6.0]$ bin/kafka-console-consumer.sh --bootstrap-server 192.168.159.130:9092 --topic myTopic nello pip
```