**Kafka**

**Environment:**

**OS:** CentOS-6.10

**JDK:** 1.8

**ZooKeeper:** 3.6.1

**Commands:**

rpm –qa | grep jdk # check whether jdk has been installed or not

rpm –ivh jdk-8u261-linux-x64.rpm

ls /usr/java

rpm -e `rpm –qa | grep jdk`

Add the following environment settings in ~/.bashrc

JAVA\_HOME=/usr/java/latest

PATH=$PATH:$JAVA\_HOME/bin

CLASSPATH=.

export JAVA\_HOME

export PATH

export CLASSPATH

cat /etc/sysconfig/network # check network settings

ifconfig # get your ip

Add the following hostname settings in /etc/hosts

<YOUR\_IP> CentOS

Example:

172.16.6.180 CentOS

service iptables status

service iptables stop # close firewall temporary

chkconfig iptables off # close auto start iptables

Zookeeper Configuration

tar -zxf apache-zookeeper-3.6.1-bin.tar.gz -C /usr/

cd /usr/zookeeper-3.6.1

cp zoo\_sample.cfg zoo.cfg

modify zoo.cfg to change the following line setting:

dataDir=/root/zkdata

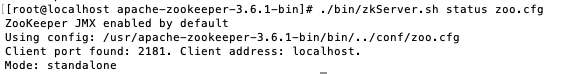
mkdir /root/zkdata

In ZooKeeper directory

./bin/zkServer.sh start # start ZK

jps

./bin/zkServer.sh status zoo.cfg



check whether ZK has started.

**Install Kafka**

tar -zxf kafka\_2.11-2.2.0.tg -C /usr/

then config the /usr/kafka\_2.11-2.2.0/config/server.properties

listeners=PLAINTEXT://CentOS:9092

Here we need to use the hostname not IP

log.dirs=/usr/kafka-logs

We need to make sure the user, which start Kafka, has the permission to read/write to /usr

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

./bin/kafka-server-stop.sh

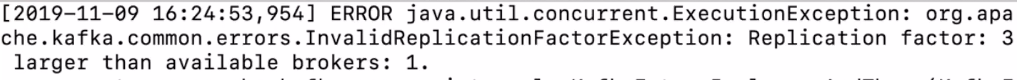
./bin/kafka-topics.sh –help

Kafka 2.0版本前修改Topic用的是--zookeeper 参数

之后的版本中把它废弃了

WARN [AdminClient clientId=adminclient-1] Connection to node -1 (centos/172.16.6.180:9092) could not be established. Broker may not be available. (org.apache.kafka.clients.NetworkClient)

这个报错是你还没开服务



这个报错是因为你的replication-factor指定的数大于你的broker配置的个数

这样是没意义的，因为需要broker来管理这些replications

./bin/kafka-topics.sh --bootstrap-server CentOS:9092 --create --topic topic01 --partitions 2 --replication-factor 1

./bin/kafka-topics.sh --bootstrap-server CentOS:9092 --alter --topic topic01 --partitions 3

Alter number of partitions

./bin/kafka-topics.sh --bootstrap-server CentOS:9092 --list

./bin/kafka-topics.sh --bootstrap-server CentOS:9092 --describe topic01

组内轮循，不同组互不影响，共同消费

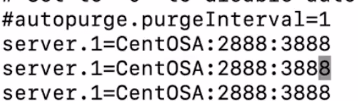
./bin/kafka-console-producer.sh --broker-list CentOS:9092 - --topic topic01

./bin/kafka-console-consumer.sh --bootstrap-server CentOS:9092 --topic topic01 --group group1

./bin/kafka-server-stop.sh

./bin/zkServer.sh stop zoo.cfg

shutdown -h now



主机名:数据同步端口:主从选举端口