Pom.xml

中添加依赖

<dependency>

<groupId>org.apache.flink</groupId>

<artifactId>flink-connector-kafka\_2.11</artifactId>

<version>1.7.2</version>

</dependency>

1. 开发

**package** com.sq1;  
  
**import** org.apache.flink.streaming.api.datastream.DataStreamSource;  
**import** org.apache.flink.streaming.api.environment.StreamExecutionEnvironment;  
**import** org.apache.flink.streaming.connectors.kafka.FlinkKafkaConsumer;  
**import** org.apache.flink.streaming.util.serialization.SimpleStringSchema;  
  
**import** java.util.Properties;  
  
**public class** sk1 {  
 **public static void** main(String[] args) **throws** Exception {  
 StreamExecutionEnvironment env = StreamExecutionEnvironment.*getExecutionEnvironment*();  
  
 String topic = **"t1"**;  
 Properties prop = **new** Properties();  
 prop.setProperty(**"bootstrap.servers"**,**"192.168.8.201:9092"**);  
 prop.setProperty(**"group.id"**,**"flinkConsumer"**);  
 prop.setProperty(**"auto.offset.reset"**,**"earliest"**);  
  
 FlinkKafkaConsumer<String> consumer = **new** FlinkKafkaConsumer<String>(topic, **new** SimpleStringSchema(), prop);  
 *//设置消费策略* consumer.setStartFromGroupOffsets();  
 DataStreamSource<String> text = env.addSource(consumer);  
 *//将并行度设置为1* text.print().setParallelism(1);  
 env.execute(**"KafkaSourceExample"**);  
 }  
}

Kafka创建 topic

[hadoop@h201 kafka\_2.11-0.11.0.0]$ bin/kafka-topics.sh --create --zookeeper h201:2181,h202:2181,h203:2181 --replication-factor 2 --partitions 3 --topic t1

启动生产者

bin/kafka-console-producer.sh --broker-list h201:9092 --topic t1

Flink上

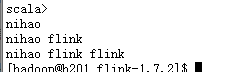
[hadoop@h201 flink-1.7.2]$ bin/start-scala-shell.sh local

[hadoop@h201 flink-1.7.2]$ bin/start-cluster.sh

[hadoop@h201 flink-1.7.2]$ bin/flink run flink12.jar --class com.sq1.sk1

Kafka上输入内容

结果：



1.

2.1 会话1:kafka上

删除之前的topic

[hadoop@h201 kafka\_2.11-1.1.0]$ bin/kafka-topics.sh --delete --zookeeper h201:2181,h202:2181,h203:2181 --topic t1

重新创建topic

bin/kafka-topics.sh --create --zookeeper h201:2181,h202:2181,h203:2181 --replication-factor 2 --partitions 3 --topic t1

2.2 会话2：h201启动nc

Nc -l 9999

2.3 会话3：

[hadoop@h201 flink-1.7.2]$ bin/flink run /home/hadoop/flink12s.jar --class com.sq1.sk2