kafka 的 javaAPI 的使用

生产者 API

```
public class MyKafkaProducer {
	public static void main(String[] args) {
		Properties props = new Properties();
		props.put("bootstrap.servers", "node01:9092,node02:9092,node03:9092");
		props.put("acks", "all");
		props.put("retries", 0);
		props.put("batch.size", 16384);
		props.put("linger.ms", 1);
		props.put("buffer.memory", 33554432);
		props.put("key.serializer",
"org.apache.kafka.common.serialization.StringSerializer");
		props.put("value.serializer",
"org.apache.kafka.common.serialization.StringSerializer");

		Producer<String, String> producer = new
KafkaProducer<String,String>(props);
		for (int i = 0; i < 100; i++){
			producer.send(new ProducerRecord<String, String>("test",
Integer.toString(i), Integer.toString(i)));
		}
		producer.close();
	}

}
```

消费者 API

```
public class MyKafkaConsumer {
	public static void main(String[] args) {
		/**
		 * 自动提交 offset
		 *
		 */
```

```
        Properties props = new Properties();
        props.put("bootstrap.servers",
"node01:9092,node02:9092,node03:9092");
        //设置我们的消费是属于哪一个组的，这个组名随便取，与别人的不重复即可
        props.put("group.id", "test");
        //设置我们的 offset 值自动提交
        props.put("enable.auto.commit", "true");
        //offset 的值自动提交的频率 1 提交  1.5 消费了 500 调数据 1.6 秒宕机了  2 提交 offset
        props.put("auto.commit.interval.ms", "1000");
        props.put("key.deserializer",
"org.apache.kafka.common.serialization.StringDeserializer");
        props.put("value.deserializer",
"org.apache.kafka.common.serialization.StringDeserializer");
        KafkaConsumer<String, String> consumer = new
KafkaConsumer<String,String>(props);
        //消费者订阅我们的 topic
        consumer.subscribe(Arrays.asList("test"));
        //相当于开启了一个线程，一直在运行，等待 topic 当中有数据就去拉取数据
        while (true) {
            //push  poll
            ConsumerRecords<String, String> records =
consumer.poll(100);
            for (ConsumerRecord<String, String> record : records)
                System.out.printf("offset = %d, key = %s, value = %s%n",
record.offset(), record.key(), record.value());
        }
```