

Please visit website: <http://cxyroad.com>

```
etmq.client.exception.MQClientException;
import org.apache.rocketmq.client.producer.LocalTransactionState;
import org.apache.rocketmq.client.producer.SendResult;
import org.apache.rocketmq.client.producer.TransactionListener;
import org.apache.rocketmq.client.producer.TransactionMQProducer;
import org.apache.rocketmq.common.message.Message;
import org.apache.rocketmq.common.message.MessageExt;
import org.apache.rocketmq.remoting.common.RemotingHelper;

import java.io.UnsupportedEncodingException;
import java.util.concurrent.*;
import java.util.concurrent.atomic.AtomicInteger;

public class TransactionProducer {
    public static void main(String[] args) throws MQClientException,
        InterruptedException {
        TransactionListener transactionListener = new
        TransactionListenerImpl();
        TransactionMQProducer producer = new
        TransactionMQProducer("please_rename_unique_group_name");
        ExecutorService executorService = new ThreadPoolExecutor(2, 5,
        100, TimeUnit.SECONDS, new ArrayBlockingQueue<Runnable>(2000),
        new ThreadFactory() {
            @Override
            public Thread newThread(Runnable r) {
                Thread thread = new Thread(r);
                thread.setName("client-transaction-msg-check-thread");
                return thread;
            }
        });

        producer.setExecutorService(executorService);
        producer.setTransactionListener(transactionListener);
        producer.setNamesrvAddr("120.76.201.118:9876");
        producer.start();

        String[] tags = new String[] {"TagA", "TagB", "TagC", "TagD",
        "TagE"};
        for (int i = 0; i < 10; i++) {
            try {
                Message msg =
                new Message("TopicTest1", tags[i % tags.length], "KEY"
                + i,
                ("Hello RocketMQ " +
                i).getBytes(RemotingHelper.DEFAULT_CHARSET));
```

```

        SendResult sendResult =
producer.sendMessageInTransaction(msg, null);
        System.out.printf("%s%n", sendResult);

        Thread.sleep(10);
    } catch (MQClientException | UnsupportedEncodingException e)
{
        e.printStackTrace();
    }
}

for (int i = 0; i < 100000; i++) {
    Thread.sleep(1000);
}
producer.shutdown();
}

static class TransactionListenerImpl implements TransactionListener {
g) {
    Integer status = localTrans.get(msg.getTransactionId());
    if (null != status) {
        switch (status) {
            case 0:
                return LocalTransactionState.UNKNOW;
            case 1:
                return LocalTransactionState.COMMIT_MESSAGE;
            case 2:
                return LocalTransactionState.ROLLBACK_MESSAGE;
            default:
                return LocalTransactionState.COMMIT_MESSAGE;
        }
    }
    return LocalTransactionState.COMMIT_MESSAGE;
}
}
}

```

...

可以看到这里面根据status的值去判断是否是commit或者rollback。结合我们的业务来看，这个里面就可以通过查询数据库看有没有这条小明的信息或者看他有没有中奖来返回对于的commit或者rollback即步骤  
7[7](http://cxyroad.com/ "#user-content-fn-7"),最后执行步骤  
8[8](http://cxyroad.com/ "#user-content-fn-8")

经过这个一系列的操作，我们就可以把消息和业务绑定起来，即业务回滚了消息也不回正常发出去，这样就不会出现我们的标题所示的情况了。

## 使用rocketmq-spring-boot-starter

那么如果我们使用rocketmq-spring-boot-starter又该如何配置呢？那么就请移步RocketMQ的基础使用，如何发送消息和消费消息：发送事务消息里面的功能和上面原生的操作方法是一模一样的，只不过里面加了一个策略模式去区分不同的主题topic。

那么本文仓库已经开源，地址就是：

[RocketMq的使用](<http://cxyroad.com/> "https://gitee.com/WangFuGui-Ma/spring-cloud-alibaba")

> ![在这里插入图片描述](<https://p3-juejin.byteimg.com/tos-cn-i-k3u1fbpfcp/f133ceeebc0b4107a440de5ad973b761~tplv-k3u1fbpfcp-jj-mark:3024:0:0:0:q75.awebp#?w=859&h=161&s=95525&e=png&b=fbfbfb>)

## Footnotes

1. 步骤1 [1](<http://cxyroad.com/> "#user-content-fnref-1")  
[2](<http://cxyroad.com/> "#user-content-fnref-1-2")
2. 步骤2 [1](<http://cxyroad.com/> "#user-content-fnref-2")  
[2](<http://cxyroad.com/> "#user-content-fnref-2-2")
3. 步骤3 [1](<http://cxyroad.com/> "#user-content-fnref-3")  
[2](<http://cxyroad.com/> "#user-content-fnref-3-2")
4. 步骤4 [1](<http://cxyroad.com/> "#user-content-fnref-4")  
[2](<http://cxyroad.com/> "#user-content-fnref-4-2")
5. 步骤5 [1](<http://cxyroad.com/> "#user-content-fnref-5")  
[2](<http://cxyroad.com/> "#user-content-fnref-5-2")
6. 步骤6 [1](<http://cxyroad.com/> "#user-content-fnref-6")  
[2](<http://cxyroad.com/> "#user-content-fnref-6-2")
7. 步骤7 [1](<http://cxyroad.com/> "#user-content-fnref-7")  
[2](<http://cxyroad.com/> "#user-content-fnref-7-2")
8. 步骤8 [1](<http://cxyroad.com/> "#user-content-fnref-8")  
[2](<http://cxyroad.com/> "#user-content-fnref-8-2")

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