

# 生产者

Topic:hjl-test-topic  
Group:hjl-test-group

```
public class
{
    public static void main(String[] args) throws MQClientException, InterruptedException {
        DefaultMQProducer producer = new DefaultMQProducer(producerGroup: "hjl-test-group");
        producer.setNamesrvAddr("47.102.136.138:9876");
        producer.start();
        for (int i = 0; i < 1000; i++) {
            try {
                Message msg = new Message(
                    topic: "hjl-test-topic" /* Topic */,
                    tags: "TagA" /* Tag */,
                    ("Hello RocketMQ " + i).getBytes(
                        RemotingHelper.DEFAULT_CHARSET) /* Message body */
                );
                SendResult sendResult = producer.send(msg);
                System.out.printf("%s\n", sendResult);
            } catch (Exception e) {
                e.printStackTrace();
                Thread.sleep(1000);
            }
        }
        producer.shutdown();
    }
}
```

## Producer 生产消息

```
sendResult [sendStatus=SEND_OK, msgId=7F00000172DC18B4AAC2360A8C03E7, offsetMsgId=2F66888A00002A9F000000000097E33E, messageQueue=MessageQueue [topic=hjl-test-topic, brokerName=broker-a,
sendResult [sendStatus=SEND_OK, msgId=7F00000172DC18B4AAC2360A8E0D3E0, offsetMsgId=2F66888A00002A9F000000000097E42E, messageQueue=MessageQueue [topic=hjl-test-topic, brokerName=broker-a,
sendResult [sendStatus=SEND_OK, msgId=7F00000172DC18B4AAC2360A8B1003E1, offsetMsgId=2F66888A00002A9F000000000097E4FE, messageQueue=MessageQueue [topic=hjl-test-topic, brokerName=broker-a,
sendResult [sendStatus=SEND_OK, msgId=7F00000172DC18B4AAC2360A8B3203E2, offsetMsgId=2F66888A00002A9F000000000097E5CE, messageQueue=MessageQueue [topic=hjl-test-topic, brokerName=broker-a,
sendResult [sendStatus=SEND_OK, msgId=7F00000172DC18B4AAC2360A8B3403E3, offsetMsgId=2F66888A00002A9F000000000097E69E, messageQueue=MessageQueue [topic=hjl-test-topic, brokerName=broker-a,
sendResult [sendStatus=SEND_OK, msgId=7F00000172DC18B4AAC2360A8B7903E4, offsetMsgId=2F66888A00002A9F000000000097E78E, messageQueue=MessageQueue [topic=hjl-test-topic, brokerName=broker-a,
sendResult [sendStatus=SEND_OK, msgId=7F00000172DC18B4AAC2360A8B9003E5, offsetMsgId=2F66888A00002A9F000000000097E83E, messageQueue=MessageQueue [topic=hjl-test-topic, brokerName=broker-a,
sendResult [sendStatus=SEND_OK, msgId=7F00000172DC18B4AAC2360A8BBF03E6, offsetMsgId=2F66888A00002A9F000000000097E90E, messageQueue=MessageQueue [topic=hjl-test-topic, brokerName=broker-a,
sendResult [sendStatus=SEND_OK, msgId=7F00000172DC18B4AAC2360A8BE303E7, offsetMsgId=2F66888A00002A9F000000000097E90E, messageQueue=MessageQueue [topic=hjl-test-topic, brokerName=broker-a,
11:51:13.233 [NettyClientSelector_1] INFO RocketmqRemoting - closeChannel: close the connection to remote address[47.102.136.138:9876] result: true
11:51:13.236 [NettyClientSelector_1] INFO RocketmqRemoting - closeChannel: close the connection to remote address[47.102.136.138:10911] result: true
```

## 控制台查看 Producer 生产的消息

主题: hjl-test-topic 开始: 2022-03-11 10:41 结束: 2022-03-11 12:41 搜索

Message ID	Tag	Key	StoreTime	Operation
7F000001102418B4AAC235FEB0F303E7	TagA		2022-03-11 11:38:02	<span>MESSAGE DETAIL</span>
7F000001102418B4AAC235FEB0D203E6	TagA		2022-03-11 11:38:02	<span>MESSAGE DETAIL</span>
7F000001102418B4AAC235FEB0B103E5	TagA		2022-03-11 11:38:02	<span>MESSAGE DETAIL</span>
7F000001102418B4AAC235FEB09103E4	TagA		2022-03-11 11:38:02	<span>MESSAGE DETAIL</span>
7F000001102418B4AAC235FEB07003E3	TagA		2022-03-11 11:38:02	<span>MESSAGE DETAIL</span>
7F000001102418B4AAC235FEB05003E2	TagA		2022-03-11 11:38:02	<span>MESSAGE DETAIL</span>
7F000001102418B4AAC235FEB03003E1	TagA		2022-03-11 11:38:02	<span>MESSAGE DETAIL</span>
7F000001102418B4AAC235FEB00A03E0	TagA		2022-03-11 11:38:02	<span>MESSAGE DETAIL</span>
7F000001102418B4AAC235FEAFE03DF	TagA		2022-03-11 11:38:02	<span>MESSAGE DETAIL</span>
7F000001102418B4AAC235FEAFC703DE	TagA		2022-03-11 11:38:02	<span>MESSAGE DETAIL</span>

根据 MessageID 查询消息：

Message ID:

7F000001102418B4AAC235FEB0D203E6

Topic:

hjl-test-topic

Tag:

TagA

Key:

Storetime:

2022-03-11

Message body:

Hello RocketMQ 998

# 消费者

Topic: hjl-test-topic

Group: hjl-test-group

```
public static void main(String[] args) throws InterruptedException, MQClientException {  
  
    DefaultMQPushConsumer consumer = new DefaultMQPushConsumer( consumerGroup: "hjl-test-group");  
  
    consumer.setNamesrvAddr("47.102.136.138:9876");  
    consumer.setConsumeFromWhere(ConsumeFromWhere.CONSUME_FROM_FIRST_OFFSET);  
  
    consumer.subscribe( topic: "hjl-test-topic", subExpression: "*");  
  
    consumer.registerMessageListener(new MessageListenerConcurrently() {  
  
        @Override  
        public ConsumeConcurrentlyStatus consumeMessage(List<MessageExt> msgs,  
            ConsumeConcurrentlyContext context) {  
            System.out.printf("%s Receive New Messages: %s %n", Thread.currentThread().getName(), msgs);  
            return ConsumeConcurrentlyStatus.CONSUME_SUCCESS;  
        }  
    });  
  
    consumer.start();  
  
    System.out.printf("Consumer Started.%n");  
}
```

## 消费者消费消息

```
ConsumeMessageThread_16 Receive New Messages: [MessageExt [brokerName=broker-a, queueId=3, storeSize=208, queueOffset=489, sysFlag=0, bornTimestamp=1646970672012, bornHost=/115.27.211.17:5  
ConsumeMessageThread_17 Receive New Messages: [MessageExt [brokerName=broker-a, queueId=3, storeSize=208, queueOffset=488, sysFlag=0, bornTimestamp=1646970672012, bornHost=/115.27.211.17:5  
ConsumeMessageThread_8 Receive New Messages: [MessageExt [brokerName=broker-a, queueId=3, storeSize=208, queueOffset=497, sysFlag=0, bornTimestamp=164697067276, bornHost=/115.27.211.17:5  
ConsumeMessageThread_6 Receive New Messages: [MessageExt [brokerName=broker-a, queueId=3, storeSize=208, queueOffset=492, sysFlag=0, bornTimestamp=1646970672080, bornHost=/115.27.211.17:5  
ConsumeMessageThread_10 Receive New Messages: [MessageExt [brokerName=broker-a, queueId=3, storeSize=208, queueOffset=490, sysFlag=0, bornTimestamp=1646970671734, bornHost=/115.27.211.17:5  
ConsumeMessageThread_13 Receive New Messages: [MessageExt [brokerName=broker-a, queueId=3, storeSize=208, queueOffset=489, sysFlag=0, bornTimestamp=1646970671398, bornHost=/115.27.211.17:5  
ConsumeMessageThread_2 Receive New Messages: [MessageExt [brokerName=broker-a, queueId=3, storeSize=208, queueOffset=488, sysFlag=0, bornTimestamp=1646970671462, bornHost=/115.27.211.17:5  
ConsumeMessageThread_1 Receive New Messages: [MessageExt [brokerName=broker-a, queueId=3, storeSize=208, queueOffset=487, sysFlag=0, bornTimestamp=1646970671322, bornHost=/115.27.211.17:5  
ConsumeMessageThread_15 Receive New Messages: [MessageExt [brokerName=broker-a, queueId=3, storeSize=208, queueOffset=486, sysFlag=0, bornTimestamp=1646970671183, bornHost=/115.27.211.17:5  
ConsumeMessageThread_14 Receive New Messages: [MessageExt [brokerName=broker-a, queueId=3, storeSize=208, queueOffset=485, sysFlag=0, bornTimestamp=1646970671044, bornHost=/115.27.211.17:5  
ConsumeMessageThread_11 Receive New Messages: [MessageExt [brokerName=broker-a, queueId=3, storeSize=208, queueOffset=484, sysFlag=0, bornTimestamp=1646970670647, bornHost=/115.27.211.17:5  
ConsumeMessageThread_12 Receive New Messages: [MessageExt [brokerName=broker-a, queueId=3, storeSize=208, queueOffset=481, sysFlag=0, bornTimestamp=1646970670231, bornHost=/115.27.211.17:5  
ConsumeMessageThread_9 Receive New Messages: [MessageExt [brokerName=broker-a, queueId=3, storeSize=208, queueOffset=480, sysFlag=0, bornTimestamp=1646970670086, bornHost=/115.27.211.17:5
```

控制台查看所消费的消息

主题	%RETRY%hjl-test-group			延迟	0	最后消费时间	N/A
broker	queue	consumerClient	brokerOffset	consumerOffset	diffTotal	lastTimestamp	
broker-a	0	10.129.28.25@25556	0	0	0	N/A	
主题	hjl-test-topic		延迟	0	最后消费时间	2022-03-11 11:51:12	
broker	queue	consumerClient	brokerOffset	consumerOffset	diffTotal	lastTimestamp	
broker-a	0	10.129.28.25@25556	500	500	0	2022-03-11 11:51:12	
broker-a	1	10.129.28.25@25556	500	500	0	2022-03-11 11:51:12	
broker-a	2	10.129.28.25@25556	500	500	0	2022-03-11 11:51:12	
broker-a	3	10.129.28.25@25556	500	500	0	2022-03-11 11:51:12	