

RocketMQ发送与消费消息

producer

```
Producer [sendStatus=SEND_OK, msgId=7F00000156E818B4AAC238673AC903DE, offsetMsgId=2F66888A00002A9F00000000009C0D6B, messageQueue=MessageQueue [t  
SendResult [sendStatus=SEND_OK, msgId=7F00000156E818B4AAC238673AC903DE, offsetMsgId=2F66888A00002A9F00000000009C0E46, messageQueue=MessageQueue [t  
SendResult [sendStatus=SEND_OK, msgId=7F00000156E818B4AAC238673B1403E0, offsetMsgId=2F66888A00002A9F00000000009C0F21, messageQueue=MessageQueue [t  
SendResult [sendStatus=SEND_OK, msgId=7F00000156E818B4AAC238673B3803E1, offsetMsgId=2F66888A00002A9F00000000009C0FFC, messageQueue=MessageQueue [t  
SendResult [sendStatus=SEND_OK, msgId=7F00000156E818B4AAC238673B5B03E2, offsetMsgId=2F66888A00002A9F00000000009C10D7, messageQueue=MessageQueue [t  
SendResult [sendStatus=SEND_OK, msgId=7F00000156E818B4AAC238673B7E03E3, offsetMsgId=2F66888A00002A9F00000000009C11B2, messageQueue=MessageQueue [t  
SendResult [sendStatus=SEND_OK, msgId=7F00000156E818B4AAC238673BA903E4, offsetMsgId=2F66888A00002A9F00000000009C128D, messageQueue=MessageQueue [t  
SendResult [sendStatus=SEND_OK, msgId=7F00000156E818B4AAC238673BD003E5, offsetMsgId=2F66888A00002A9F00000000009C1368, messageQueue=MessageQueue [t
```

```
public static void main(String[] args) throws MQClientException,  
InterruptedException {  
    //1.创建producer并指定producer组  
    DefaultMQProducer producer = new DefaultMQProducer("producer-test-swn-  
0311");  
  
    //2.配置相关信息  
    ResourceBundle bundle = ResourceBundle.getBundle(PROPERTIES_NAME);  
    producer.setNamesrvAddr(bundle.getString(NAMESRV_ADDR));  
    producer.setUseTLS(false);  
  
    //3.启动producer  
    producer.start();  
  
    for (int i = 0; i < TIMES; i++) {  
        try {  
            //4.创建消息并发送  
            Message msg = new Message("MyRocketMQTopic-SWN" /* Topic */,  
                "TagA" /* Tag */,  
                ("Hello RocketMQ - swn " +  
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();  
}
```

consumer

```
Consumer x
Time: 1647011109543- MsgId: 7F00000156E818B4AAC2386739EF03D8 --- Hello RocketMQ - swm 984
Time: 1647011109543- MsgId: 7F00000156E818B4AAC2386738CC03D0 --- Hello RocketMQ - swm 976
Time: 1647011109543- MsgId: 7F00000156E818B4AAC2386737AC03C8 --- Hello RocketMQ - swm 968
Time: 1647011109543- MsgId: 7F00000156E818B4AAC23867383D03CC --- Hello RocketMQ - swm 972
Time: 1647011109543- MsgId: 7F00000156E818B4AAC23867371903C4 --- Hello RocketMQ - swm 964
Time: 1647011109543- MsgId: 7F00000156E818B4AAC23867347003B8 --- Hello RocketMQ - swm 952
Time: 1647011109543- MsgId: 7F00000156E818B4AAC23867350A03BC --- Hello RocketMQ - swm 956
Time: 1647011109543- MsgId: 7F00000156E818B4AAC2386733E103B4 --- Hello RocketMQ - swm 948
Time: 1647011109543- MsgId: 7F00000156E818B4AAC23867335203B0 --- Hello RocketMQ - swm 944
```

```
public static void main(String[] args) throws InterruptedException,
MQClientException {

    DefaultMQPushConsumer consumer = new DefaultMQPushConsumer("consumer-
test-swm0311");

    ResourceBundle bundle = ResourceBundle.getBundle(PROPERTIES_NAME);
    consumer.setNamesrvAddr(bundle.getString(NAMESRV_ADDR));

    //consumer.setConsumeFromWhere(ConsumeFromWhere.CONSUME_FROM_FIRST_OFFSET);

    consumer.subscribe("MyRocketMQTopic-SWM", "*");

    consumer.registerMessageListener(new MessageListenerConcurrently() {

        @Override
        public ConsumeConcurrentlyStatus consumeMessage(List<MessageExt>
msgs,
                ConsumeConcurrentlyContext context) {

            try {
                for (MessageExt msg : msgs) {
                    String msgId = msg.getMsgId();
                    byte[] body = msg.getBody();
                    String message = new String(body, 0, body.length,
Charset.forName("utf-8"));
                    System.out.println("Time: "+ System.currentTimeMillis()
+ "- " + "MsgId: " + msgId + " --- " + message);
                }
            } catch (Exception e) {
                e.printStackTrace();
                return ConsumeConcurrentlyStatus.RECONSUME_LATER;
            }
            return ConsumeConcurrentlyStatus.CONSUME_SUCCESS;
        }
    });
    consumer.start();

    System.out.printf("Consumer Started.%n");
}
```

通过Topic查询发送的Message

TOPIC

MESSAGE KEY

MESSAGE ID

Only Return 2000 Messages

Topic:

MyRocketMQTopic-SWN

Begin: 2022-03-11 21:55End: 2022-03-11 23:55

QSEARCH

Message ID	Tag	Key	StoreTime	Operation
7F00000156E818B4AAC238673C1B03E7	TagA		2022-03-11 22:51:32	<div>MESSAGE DETAIL</div>
7F00000156E818B4AAC238673BF703E6	TagA		2022-03-11 22:51:32	<div>MESSAGE DETAIL</div>
7F00000156E818B4AAC238673BD003E5	TagA		2022-03-11 22:51:32	<div>MESSAGE DETAIL</div>
7F00000156E818B4AAC238673BA903E4	TagA		2022-03-11 22:51:31	<div>MESSAGE DETAIL</div>
7F00000156E818B4AAC238673B7E03E3	TagA		2022-03-11 22:51:31	<div>MESSAGE DETAIL</div>

通过MsgId查询Message

OPS

Dashboard

Cluster

Topic

Consumer

Producer

Message

MessageTrace

ChangeLanguage

Message ID: 7F00000156E818B4AAC2386727000367

Topic: MyRocketMQTopic-SWN

Tag: TagA

Key:

Storetime: 2022-03-11

Message body: Hello RocketMQ - swn 871

