这次安装是基于单机的，简单的部署。操作方法是按照rocketmq官方网站来处理。

<http://rocketmq.apache.org/docs/quick-start/>

需要注意的点：

1、rocket启动需要java8，高版本的java舍弃了一些参数，比如UseCMSCompactAtFullCollection

2、启动broker的时候，报错如下，原因是内存需求设置太大。

OpenJDK 64-Bit Server VM warning: If the number of processors is expected to increase from one, then you should configure the number of parallel GC threads appropriately using -XX:ParallelGCThreads=N

OpenJDK 64-Bit Server VM warning: INFO: os::commit\_memory(0x00000005c0000000, 8589934592, 0) failed; error='Cannot allocate memory' (errno=12)

#

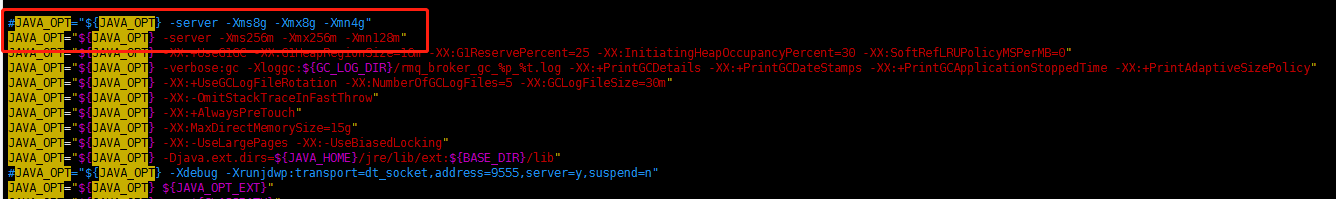
# There is insufficient memory for the Java Runtime Environment to continue.

# Native memory allocation (mmap) failed to map 8589934592 bytes for committing reserved memory.

# An error report file with more information is saved as:

# /home/software\_install/rocketmq-all-4.7.0-source-release/distribution/target/rocketmq-4.7.0/rocketmq-4.7.0/hs\_err\_pid1391.log

解决办法：调整runbroker.sh脚本中的配置



测试消息：

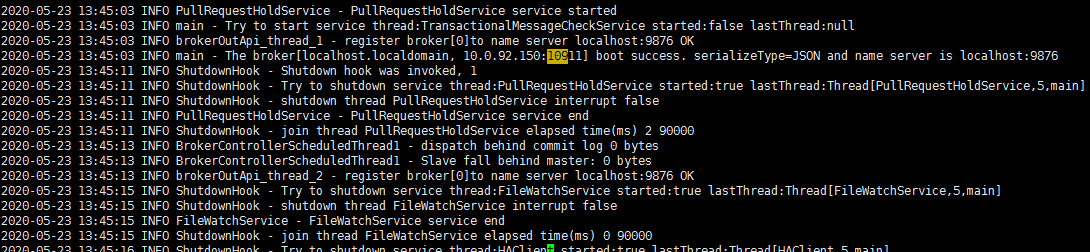
ConsumeMessageThread\_8 Receive New Messages: [MessageExt [brokerName=localhost.localdomain, queueId=1,

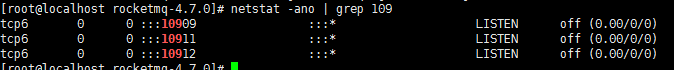
storeSize=179, queueOffset=4, sysFlag=0, bornTimestamp=1590214676465, bornHost=/10.0.92.150:58780, storeTimestamp=1590214676467, storeHost=/10.0.92.150:10911, msgId=0A005C9600002A9F0000000000000C8C,

commitLogOffset=3212, bodyCRC=89962020, reconsumeTimes=0, preparedTransactionOffset=0, toString()=Message{topic='TopicTest', flag=0, properties={MIN\_OFFSET=0, MAX\_OFFSET=197,

CONSUME\_START\_TIME=1590214691242, UNIQ\_KEY=0A005C9606656BC7C054745D5FF10012, WAIT=true, TAGS=TagA}, body=[72, 101, 108, 108, 111, 32, 82, 111, 99, 107, 101, 116, 77, 81, 32, 49, 56], transactionId='null'}]]

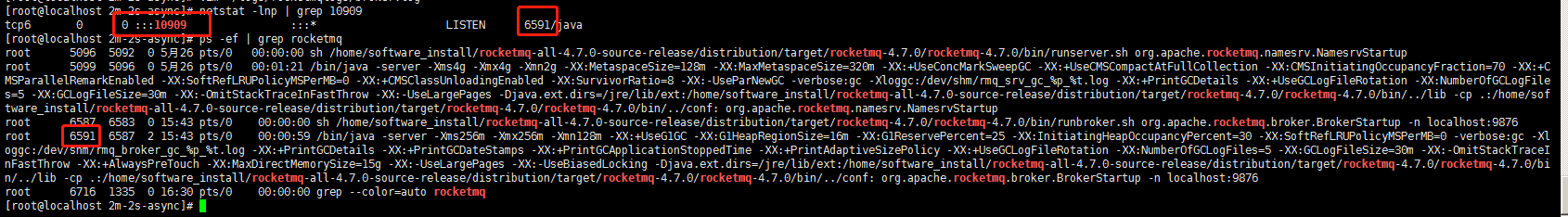
broker默认监听10911端口





10909端口不知道是什么端口？ 非官方解释： VIP通道端口为10911-2=10909。若Rocket服务器未启动端口10909

在日志输出的配置信息，没有10909端口，查看日志确实是broker程序开启的



broker启动后默认会开启10909 10911 10912三个端口。

producer会使用10909 10911 和broker通信，来发送消息。linux服务要开启这些端口，不然就连不上。

topic配置几个queue在哪里设置？ 从下面的数据看，消息以轮训策略放入queue中的

SendResult [sendStatus=SEND\_OK, msgId=0A005C558B242437C6DC898E474C0059, offsetMsgId=0A005C9600002A9F00000000000269EB, messageQueue=MessageQueue [topic=TopicTest, brokerName=localhost.localdomain, queueId=0], queueOffset=220]

SendResult [sendStatus=SEND\_OK, msgId=0A005C558B242437C6DC898E474F005A, offsetMsgId=0A005C9600002A9F0000000000026A9E, messageQueue=MessageQueue [topic=TopicTest, brokerName=localhost.localdomain, queueId=1], queueOffset=220]

SendResult [sendStatus=SEND\_OK, msgId=0A005C558B242437C6DC898E4754005B, offsetMsgId=0A005C9600002A9F0000000000026B51, messageQueue=MessageQueue [topic=TopicTest, brokerName=localhost.localdomain, queueId=2], queueOffset=219]

SendResult [sendStatus=SEND\_OK, msgId=0A005C558B242437C6DC898E4756005C, offsetMsgId=0A005C9600002A9F0000000000026C04, messageQueue=MessageQueue [topic=TopicTest, brokerName=localhost.localdomain, queueId=3], queueOffset=221]

SendResult [sendStatus=SEND\_OK, msgId=0A005C558B242437C6DC898E475A005D, offsetMsgId=0A005C9600002A9F0000000000026CB7, messageQueue=MessageQueue [topic=TopicTest, brokerName=localhost.localdomain, queueId=0], queueOffset=221]

SendResult [sendStatus=SEND\_OK, msgId=0A005C558B242437C6DC898E475C005E, offsetMsgId=0A005C9600002A9F0000000000026D6A, messageQueue=MessageQueue [topic=TopicTest, brokerName=localhost.localdomain, queueId=1], queueOffset=221]

SendResult [sendStatus=SEND\_OK, msgId=0A005C558B242437C6DC898E475E005F, offsetMsgId=0A005C9600002A9F0000000000026E1D, messageQueue=MessageQueue [topic=TopicTest, brokerName=localhost.localdomain, queueId=2], queueOffset=220]

SendResult [sendStatus=SEND\_OK, msgId=0A005C558B242437C6DC898E47610060, offsetMsgId=0A005C9600002A9F0000000000026ED0, messageQueue=MessageQueue [topic=TopicTest, brokerName=localhost.localdomain, queueId=3], queueOffset=222]

broker启动日志，里面有很多broker默认的配置参数。如果想修改的话，broker参数手动配置 TODO待研究

|  |
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| 2020-05-27 15:43:07 INFO main - rocketmqHome=/home/software\_install/rocketmq-all-4.7.0-source-release/distribution/target/rocketmq-4.7.0/rocketmq-4.7.0  2020-05-27 15:43:07 INFO main - namesrvAddr=localhost:9876  2020-05-27 15:43:07 INFO main - brokerIP1=10.0.92.150  2020-05-27 15:43:07 INFO main - brokerIP2=10.0.92.150  2020-05-27 15:43:07 INFO main - brokerName=localhost.localdomain  2020-05-27 15:43:07 INFO main - brokerClusterName=DefaultCluster  2020-05-27 15:43:07 INFO main - brokerId=0  2020-05-27 15:43:07 INFO main - brokerPermission=6  2020-05-27 15:43:07 INFO main - defaultTopicQueueNums=8  2020-05-27 15:43:07 INFO main - autoCreateTopicEnable=true  2020-05-27 15:43:07 INFO main - clusterTopicEnable=true  2020-05-27 15:43:07 INFO main - brokerTopicEnable=true  2020-05-27 15:43:07 INFO main - autoCreateSubscriptionGroup=true  2020-05-27 15:43:07 INFO main - messageStorePlugIn=  2020-05-27 15:43:07 INFO main - msgTraceTopicName=RMQ\_SYS\_TRACE\_TOPIC  2020-05-27 15:43:07 INFO main - traceTopicEnable=false  2020-05-27 15:43:07 INFO main - sendMessageThreadPoolNums=1  2020-05-27 15:43:07 INFO main - pullMessageThreadPoolNums=18  2020-05-27 15:43:07 INFO main - processReplyMessageThreadPoolNums=18  2020-05-27 15:43:07 INFO main - queryMessageThreadPoolNums=9  2020-05-27 15:43:07 INFO main - adminBrokerThreadPoolNums=16  2020-05-27 15:43:07 INFO main - clientManageThreadPoolNums=32  2020-05-27 15:43:07 INFO main - consumerManageThreadPoolNums=32  2020-05-27 15:43:07 INFO main - heartbeatThreadPoolNums=1  2020-05-27 15:43:07 INFO main - endTransactionThreadPoolNums=10  2020-05-27 15:43:07 INFO main - flushConsumerOffsetInterval=5000  2020-05-27 15:43:07 INFO main - flushConsumerOffsetHistoryInterval=60000  2020-05-27 15:43:07 INFO main - rejectTransactionMessage=false  2020-05-27 15:43:07 INFO main - fetchNamesrvAddrByAddressServer=false  2020-05-27 15:43:07 INFO main - sendThreadPoolQueueCapacity=10000  2020-05-27 15:43:07 INFO main - pullThreadPoolQueueCapacity=100000  2020-05-27 15:43:07 INFO main - replyThreadPoolQueueCapacity=10000  2020-05-27 15:43:07 INFO main - queryThreadPoolQueueCapacity=20000  2020-05-27 15:43:07 INFO main - clientManagerThreadPoolQueueCapacity=1000000  2020-05-27 15:43:07 INFO main - consumerManagerThreadPoolQueueCapacity=1000000  2020-05-27 15:43:07 INFO main - heartbeatThreadPoolQueueCapacity=50000  2020-05-27 15:43:07 INFO main - endTransactionPoolQueueCapacity=100000  2020-05-27 15:43:07 INFO main - filterServerNums=0  2020-05-27 15:43:07 INFO main - longPollingEnable=true  2020-05-27 15:43:07 INFO main - shortPollingTimeMills=1000  2020-05-27 15:43:07 INFO main - notifyConsumerIdsChangedEnable=true  2020-05-27 15:43:07 INFO main - highSpeedMode=false  2020-05-27 15:43:07 INFO main - commercialEnable=true  2020-05-27 15:43:07 INFO main - commercialTimerCount=1  2020-05-27 15:43:07 INFO main - commercialTransCount=1  2020-05-27 15:43:07 INFO main - commercialBigCount=1  2020-05-27 15:43:07 INFO main - commercialBaseCount=1  2020-05-27 15:43:07 INFO main - transferMsgByHeap=true  2020-05-27 15:43:07 INFO main - maxDelayTime=40  2020-05-27 15:43:07 INFO main - regionId=DefaultRegion  2020-05-27 15:43:07 INFO main - registerBrokerTimeoutMills=6000  2020-05-27 15:43:07 INFO main - slaveReadEnable=false  2020-05-27 15:43:07 INFO main - disableConsumeIfConsumerReadSlowly=false  2020-05-27 15:43:07 INFO main - consumerFallbehindThreshold=17179869184  2020-05-27 15:43:07 INFO main - brokerFastFailureEnable=true  2020-05-27 15:43:07 INFO main - waitTimeMillsInSendQueue=200  2020-05-27 15:43:07 INFO main - waitTimeMillsInPullQueue=5000  2020-05-27 15:43:07 INFO main - waitTimeMillsInHeartbeatQueue=31000  2020-05-27 15:43:07 INFO main - waitTimeMillsInTransactionQueue=3000  2020-05-27 15:43:07 INFO main - startAcceptSendRequestTimeStamp=0  2020-05-27 15:43:07 INFO main - traceOn=true  2020-05-27 15:43:07 INFO main - enableCalcFilterBitMap=false  2020-05-27 15:43:07 INFO main - expectConsumerNumUseFilter=32  2020-05-27 15:43:07 INFO main - maxErrorRateOfBloomFilter=20  2020-05-27 15:43:07 INFO main - filterDataCleanTimeSpan=86400000  2020-05-27 15:43:07 INFO main - filterSupportRetry=false  2020-05-27 15:43:07 INFO main - enablePropertyFilter=false  2020-05-27 15:43:07 INFO main - compressedRegister=false  2020-05-27 15:43:07 INFO main - forceRegister=true  2020-05-27 15:43:07 INFO main - registerNameServerPeriod=30000  2020-05-27 15:43:07 INFO main - transactionTimeOut=6000  2020-05-27 15:43:07 INFO main - transactionCheckMax=15  2020-05-27 15:43:07 INFO main - transactionCheckInterval=60000  2020-05-27 15:43:07 INFO main - aclEnable=false  2020-05-27 15:43:07 INFO main - storeReplyMessageEnable=true  2020-05-27 15:43:07 INFO main - listenPort=10911  2020-05-27 15:43:07 INFO main - serverWorkerThreads=8  2020-05-27 15:43:07 INFO main - serverCallbackExecutorThreads=0  2020-05-27 15:43:07 INFO main - serverSelectorThreads=3  2020-05-27 15:43:07 INFO main - serverOnewaySemaphoreValue=256  2020-05-27 15:43:07 INFO main - serverAsyncSemaphoreValue=64  2020-05-27 15:43:07 INFO main - serverChannelMaxIdleTimeSeconds=120  2020-05-27 15:43:07 INFO main - serverSocketSndBufSize=131072  2020-05-27 15:43:07 INFO main - serverSocketRcvBufSize=131072  2020-05-27 15:43:07 INFO main - serverPooledByteBufAllocatorEnable=true  2020-05-27 15:43:07 INFO main - useEpollNativeSelector=false  2020-05-27 15:43:07 INFO main - clientWorkerThreads=4  2020-05-27 15:43:07 INFO main - clientCallbackExecutorThreads=1  2020-05-27 15:43:07 INFO main - clientOnewaySemaphoreValue=65535  2020-05-27 15:43:07 INFO main - clientAsyncSemaphoreValue=65535  2020-05-27 15:43:07 INFO main - connectTimeoutMillis=3000  2020-05-27 15:43:07 INFO main - channelNotActiveInterval=60000  2020-05-27 15:43:07 INFO main - clientChannelMaxIdleTimeSeconds=120  2020-05-27 15:43:07 INFO main - clientSocketSndBufSize=131072  2020-05-27 15:43:07 INFO main - clientSocketRcvBufSize=131072  2020-05-27 15:43:07 INFO main - clientPooledByteBufAllocatorEnable=false  2020-05-27 15:43:07 INFO main - clientCloseSocketIfTimeout=false  2020-05-27 15:43:07 INFO main - useTLS=false  2020-05-27 15:43:07 INFO main - storePathRootDir=/root/store  2020-05-27 15:43:07 INFO main - storePathCommitLog=/root/store/commitlog  2020-05-27 15:43:07 INFO main - mappedFileSizeCommitLog=1073741824  2020-05-27 15:43:07 INFO main - mappedFileSizeConsumeQueue=6000000  2020-05-27 15:43:07 INFO main - enableConsumeQueueExt=false  2020-05-27 15:43:07 INFO main - mappedFileSizeConsumeQueueExt=50331648  2020-05-27 15:43:07 INFO main - bitMapLengthConsumeQueueExt=64  2020-05-27 15:43:07 INFO main - flushIntervalCommitLog=500  2020-05-27 15:43:07 INFO main - commitIntervalCommitLog=200  2020-05-27 15:43:07 INFO main - useReentrantLockWhenPutMessage=false  2020-05-27 15:43:07 INFO main - flushCommitLogTimed=false  2020-05-27 15:43:07 INFO main - flushIntervalConsumeQueue=1000  2020-05-27 15:43:07 INFO main - cleanResourceInterval=10000  2020-05-27 15:43:07 INFO main - deleteCommitLogFilesInterval=100  2020-05-27 15:43:07 INFO main - deleteConsumeQueueFilesInterval=100  2020-05-27 15:43:07 INFO main - destroyMapedFileIntervalForcibly=120000  2020-05-27 15:43:07 INFO main - redeleteHangedFileInterval=120000  2020-05-27 15:43:07 INFO main - deleteWhen=04  2020-05-27 15:43:07 INFO main - diskMaxUsedSpaceRatio=75  2020-05-27 15:43:07 INFO main - fileReservedTime=72  2020-05-27 15:43:07 INFO main - putMsgIndexHightWater=600000  2020-05-27 15:43:07 INFO main - maxMessageSize=4194304  2020-05-27 15:43:07 INFO main - checkCRCOnRecover=true  2020-05-27 15:43:07 INFO main - flushCommitLogLeastPages=4  2020-05-27 15:43:07 INFO main - commitCommitLogLeastPages=4  2020-05-27 15:43:07 INFO main - flushLeastPagesWhenWarmMapedFile=4096  2020-05-27 15:43:07 INFO main - flushConsumeQueueLeastPages=2  2020-05-27 15:43:07 INFO main - flushCommitLogThoroughInterval=10000  2020-05-27 15:43:07 INFO main - commitCommitLogThoroughInterval=200  2020-05-27 15:43:07 INFO main - flushConsumeQueueThoroughInterval=60000  2020-05-27 15:43:07 INFO main - maxTransferBytesOnMessageInMemory=262144  2020-05-27 15:43:07 INFO main - maxTransferCountOnMessageInMemory=32  2020-05-27 15:43:07 INFO main - maxTransferBytesOnMessageInDisk=65536  2020-05-27 15:43:07 INFO main - maxTransferCountOnMessageInDisk=8  2020-05-27 15:43:07 INFO main - accessMessageInMemoryMaxRatio=40  2020-05-27 15:43:07 INFO main - messageIndexEnable=true  2020-05-27 15:43:07 INFO main - maxHashSlotNum=5000000  2020-05-27 15:43:07 INFO main - maxIndexNum=20000000  2020-05-27 15:43:07 INFO main - maxMsgsNumBatch=64  2020-05-27 15:43:07 INFO main - messageIndexSafe=false  2020-05-27 15:43:07 INFO main - haListenPort=10912  2020-05-27 15:43:07 INFO main - haSendHeartbeatInterval=5000  2020-05-27 15:43:07 INFO main - haHousekeepingInterval=20000  2020-05-27 15:43:07 INFO main - haTransferBatchSize=32768  2020-05-27 15:43:07 INFO main - haMasterAddress=  2020-05-27 15:43:07 INFO main - haSlaveFallbehindMax=268435456  2020-05-27 15:43:07 INFO main - brokerRole=ASYNC\_MASTER  2020-05-27 15:43:07 INFO main - flushDiskType=ASYNC\_FLUSH  2020-05-27 15:43:07 INFO main - syncFlushTimeout=5000  2020-05-27 15:43:07 INFO main - messageDelayLevel=1s 5s 10s 30s 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m 20m 30m 1h 2h  2020-05-27 15:43:07 INFO main - flushDelayOffsetInterval=10000  2020-05-27 15:43:07 INFO main - cleanFileForciblyEnable=true  2020-05-27 15:43:07 INFO main - warmMapedFileEnable=false  2020-05-27 15:43:07 INFO main - offsetCheckInSlave=false  2020-05-27 15:43:07 INFO main - debugLockEnable=false  2020-05-27 15:43:07 INFO main - duplicationEnable=false  2020-05-27 15:43:07 INFO main - diskFallRecorded=true  2020-05-27 15:43:07 INFO main - osPageCacheBusyTimeOutMills=1000  2020-05-27 15:43:07 INFO main - defaultQueryMaxNum=32  2020-05-27 15:43:07 INFO main - transientStorePoolEnable=false  2020-05-27 15:43:07 INFO main - transientStorePoolSize=5  2020-05-27 15:43:07 INFO main - fastFailIfNoBufferInStorePool=false  2020-05-27 15:43:07 INFO main - enableDLegerCommitLog=false  2020-05-27 15:43:07 INFO main - dLegerGroup=  2020-05-27 15:43:07 INFO main - dLegerPeers=  2020-05-27 15:43:07 INFO main - dLegerSelfId=  2020-05-27 15:43:07 INFO main - load exist local topic, TopicConfig [topicName=RMQ\_SYS\_TRANS\_HALF\_TOPIC, readQueueNums=1, writeQueueNums=1, perm=RW-, topicFilterType=SINGLE\_TAG, topicSysFlag=0, order=false]  2020-05-27 15:43:07 INFO main - load exist local topic, TopicConfig [topicName=DefaultCluster\_REPLY\_TOPIC, readQueueNums=1, writeQueueNums=1, perm=RW-, topicFilterType=SINGLE\_TAG, topicSysFlag=0, order=false]  2020-05-27 15:43:07 INFO main - load exist local topic, TopicConfig [topicName=%RETRY%please\_rename\_unique\_group\_name\_4, readQueueNums=1, writeQueueNums=1, perm=RW-, topicFilterType=SINGLE\_TAG, topicSysFlag=0, order=false]  2020-05-27 15:43:07 INFO main - load exist local topic, TopicConfig [topicName=BenchmarkTest, readQueueNums=1024, writeQueueNums=1024, perm=RW-, topicFilterType=SINGLE\_TAG, topicSysFlag=0, order=false]  2020-05-27 15:43:07 INFO main - load exist local topic, TopicConfig [topicName=OFFSET\_MOVED\_EVENT, readQueueNums=1, writeQueueNums=1, perm=RW-, topicFilterType=SINGLE\_TAG, topicSysFlag=0, order=false]  2020-05-27 15:43:07 INFO main - load exist local topic, TopicConfig [topicName=TopicTest, readQueueNums=4, writeQueueNums=4, perm=RW-, topicFilterType=SINGLE\_TAG, topicSysFlag=0, order=false]  2020-05-27 15:43:07 INFO main - load exist local topic, TopicConfig [topicName=TBW102, readQueueNums=8, writeQueueNums=8, perm=RWX, topicFilterType=SINGLE\_TAG, topicSysFlag=0, order=false]  2020-05-27 15:43:07 INFO main - load exist local topic, TopicConfig [topicName=localhost.localdomain, readQueueNums=1, writeQueueNums=1, perm=RWX, topicFilterType=SINGLE\_TAG, topicSysFlag=0, order=false]  2020-05-27 15:43:07 INFO main - load exist local topic, TopicConfig [topicName=SELF\_TEST\_TOPIC, readQueueNums=1, writeQueueNums=1, perm=RW-, topicFilterType=SINGLE\_TAG, topicSysFlag=0, order=false]  2020-05-27 15:43:07 INFO main - load exist local topic, TopicConfig [topicName=DefaultCluster, readQueueNums=16, writeQueueNums=16, perm=RWX, topicFilterType=SINGLE\_TAG, topicSysFlag=0, order=false]  2020-05-27 15:43:07 INFO main - load /root/store/config/topics.json OK  2020-05-27 15:43:07 INFO main - load /root/store/config/consumerOffset.json OK  2020-05-27 15:43:07 INFO main - load exist subscription group, SubscriptionGroupConfig [groupName=SELF\_TEST\_C\_GROUP, consumeEnable=true, consumeFromMinEnable=true, consumeBroadcastEnable=true, retryQueueNums=1, retryMaxTimes=16, brokerId=0, whichBrokerWhenConsumeSlowly=1, notifyConsumerIdsChangedEnable=true]  2020-05-27 15:43:07 INFO main - load exist subscription group, SubscriptionGroupConfig [groupName=please\_rename\_unique\_group\_name\_4, consumeEnable=true, consumeFromMinEnable=true, consumeBroadcastEnable=true, retryQueueNums=1, retryMaxTimes=16, brokerId=0, whichBrokerWhenConsumeSlowly=1, notifyConsumerIdsChangedEnable=true]  2020-05-27 15:43:07 INFO main - load exist subscription group, SubscriptionGroupConfig [groupName=CID\_ONSAPI\_OWNER, consumeEnable=true, consumeFromMinEnable=true, consumeBroadcastEnable=true, retryQueueNums=1, retryMaxTimes=16, brokerId=0, whichBrokerWhenConsumeSlowly=1, notifyConsumerIdsChangedEnable=true]  2020-05-27 15:43:07 INFO main - load exist subscription group, SubscriptionGroupConfig [groupName=CID\_ONSAPI\_PERMISSION, consumeEnable=true, consumeFromMinEnable=true, consumeBroadcastEnable=true, retryQueueNums=1, retryMaxTimes=16, brokerId=0, whichBrokerWhenConsumeSlowly=1, notifyConsumerIdsChangedEnable=true]  2020-05-27 15:43:07 INFO main - load exist subscription group, SubscriptionGroupConfig [groupName=TOOLS\_CONSUMER, consumeEnable=true, consumeFromMinEnable=true, consumeBroadcastEnable=true, retryQueueNums=1, retryMaxTimes=16, brokerId=0, whichBrokerWhenConsumeSlowly=1, notifyConsumerIdsChangedEnable=true]  2020-05-27 15:43:07 INFO main - load exist subscription group, SubscriptionGroupConfig [groupName=CID\_ONS-HTTP-PROXY, consumeEnable=true, consumeFromMinEnable=true, consumeBroadcastEnable=true, retryQueueNums=1, retryMaxTimes=16, brokerId=0, whichBrokerWhenConsumeSlowly=1, notifyConsumerIdsChangedEnable=true]  2020-05-27 15:43:07 INFO main - load exist subscription group, SubscriptionGroupConfig [groupName=FILTERSRV\_CONSUMER, consumeEnable=true, consumeFromMinEnable=true, consumeBroadcastEnable=true, retryQueueNums=1, retryMaxTimes=16, brokerId=0, whichBrokerWhenConsumeSlowly=1, notifyConsumerIdsChangedEnable=true]  2020-05-27 15:43:07 INFO main - load exist subscription group, SubscriptionGroupConfig [groupName=CID\_ONSAPI\_PULL, consumeEnable=true, consumeFromMinEnable=true, consumeBroadcastEnable=true, retryQueueNums=1, retryMaxTimes=16, brokerId=0, whichBrokerWhenConsumeSlowly=1, notifyConsumerIdsChangedEnable=true]  2020-05-27 15:43:07 INFO main - load /root/store/config/subscriptionGroup.json OK  2020-05-27 15:43:07 INFO main - load /root/store/config/consumerFilter.json OK  2020-05-27 15:43:07 INFO main - Try to start service thread:AllocateMappedFileService started:false lastThread:null  2020-05-27 15:43:07 INFO main - load /root/store/config/delayOffset.json OK  2020-05-27 15:43:08 INFO main - Set user specified name server address: localhost:9876  2020-05-27 15:43:08 WARN main - Load default transaction message hook service: TransactionalMessageServiceImpl  2020-05-27 15:43:08 WARN main - Load default discard message hook service: DefaultTransactionalMessageCheckListener  2020-05-27 15:43:08 INFO main - The broker dose not enable acl  2020-05-27 15:43:08 INFO main - Try to start service thread:ReputMessageService started:false lastThread:null  2020-05-27 15:43:08 INFO main - Try to start service thread:AcceptSocketService started:false lastThread:null  2020-05-27 15:43:08 INFO main - Try to start service thread:GroupTransferService started:false lastThread:null  2020-05-27 15:43:08 INFO main - Try to start service thread:HAClient started:false lastThread:null  2020-05-27 15:43:08 INFO main - Try to start service thread:FlushConsumeQueueService started:false lastThread:null  2020-05-27 15:43:08 INFO main - Try to start service thread:FlushRealTimeService started:false lastThread:null  2020-05-27 15:43:08 INFO main - Try to start service thread:StoreStatsService started:false lastThread:null  2020-05-27 15:43:08 INFO main - Try to start service thread:FileWatchService started:false lastThread:null  2020-05-27 15:43:08 INFO main - Try to start service thread:PullRequestHoldService started:false lastThread:null  2020-05-27 15:43:08 INFO FileWatchService - FileWatchService service started  2020-05-27 15:43:08 INFO main - Try to start service thread:TransactionalMessageCheckService started:false lastThread:null  2020-05-27 15:43:08 INFO PullRequestHoldService - PullRequestHoldService service started  2020-05-27 15:43:08 INFO brokerOutApi\_thread\_1 - register broker[0]to name server localhost:9876 OK  2020-05-27 15:43:08 INFO main - The broker[localhost.localdomain, 10.0.92.150:10911] boot success. serializeType=JSON and name server is localhost:9876  2020-05-27 15:43:18 INFO BrokerControllerScheduledThread1 - dispatch behind commit log 0 bytes  2020-05-27 15:43:18 INFO BrokerControllerScheduledThread1 - Slave fall behind master: 141910 bytes  2020-05-27 15:43:18 INFO brokerOutApi\_thread\_2 - register broker[0]to name server localhost:9876 OK  2020-05-27 15:43:48 INFO brokerOutApi\_thread\_3 - register broker[0]to name server localhost:9876 OK |

broker配置说明

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| #所属集群名字  brokerClusterName=rocketmq-cluster  #broker名字，注意此处不同的配置文件填写的不一样  brokerName=broker-a|broker-b  #0 表示 Master，>0 表示 Slave  brokerId=0  #nameServer地址，分号分割  namesrvAddr=rocketmq-nameserver1:9876;rocketmq-nameserver2:9876  #在发送消息时，自动创建服务器不存在的topic，默认创建的队列数  defaultTopicQueueNums=4  #是否允许 Broker 自动创建Topic，建议线下开启，线上关闭  autoCreateTopicEnable=true  #是否允许 Broker 自动创建订阅组，建议线下开启，线上关闭  autoCreateSubscriptionGroup=true  #Broker 对外服务的监听端口，10911为默认值  listenPort=10911  #表示Master监听Slave请求的端口,默认为服务端口+1  haListenPort=10912  #删除文件时间点，默认凌晨 4点  deleteWhen=04  #文件保留时间，默认 48 小时  fileReservedTime=120  #commitLog每个文件的大小默认1G  mapedFileSizeCommitLog=1073741824  #ConsumeQueue每个文件默认存30W条，根据业务情况调整  mapedFileSizeConsumeQueue=300000  #destroyMapedFileIntervalForcibly=120000  #redeleteHangedFileInterval=120000  #检测物理文件磁盘空间  diskMaxUsedSpaceRatio=88  #存储路径  storePathRootDir=/usr/local/rocketmq/store  #commitLog 存储路径  storePathCommitLog=/usr/local/rocketmq/store/commitlog  #消费队列存储路径存储路径  storePathConsumeQueue=/usr/local/rocketmq/store/consumequeue  #消息索引存储路径  storePathIndex=/usr/local/rocketmq/store/index  #checkpoint 文件存储路径  storeCheckpoint=/usr/local/rocketmq/store/checkpoint  #abort 文件存储路径  abortFile=/usr/local/rocketmq/store/abort  #限制的消息大小  maxMessageSize=65536  #flushCommitLogLeastPages=4  #flushConsumeQueueLeastPages=2  #flushCommitLogThoroughInterval=10000  #flushConsumeQueueThoroughInterval=60000  #Broker 的角色  #- ASYNC\_MASTER 异步复制Master  #- SYNC\_MASTER 同步双写Master  #- SLAVE  brokerRole=ASYNC\_MASTER  #刷盘方式  #- ASYNC\_FLUSH 异步刷盘  #- SYNC\_FLUSH 同步刷盘  flushDiskType=ASYNC\_FLUSH  #checkTransactionMessageEnable=false  #发消息线程池数量  #sendMessageThreadPoolNums=128  #拉消息线程池数量  #pullMessageThreadPoolNums=128 |

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| --- |
| borker配置说明文档  #broker所属的集群名字  **brokerClusterName=rocketmq-cluster**  #broker名字，同个集群中的每个broker应当具有它自己独有的名字  **brokerName=broker-a**  #设置主broker和从broker  其中0 表示 主机，>0 表示 从机  **brokerId=0**  #nameServer地址（地址为ip：端口），多个地址之间用分号分割  **namesrvAddr=rocketmq-nameserver1:9876;rocketmq-nameserver2:9876**  #在发送消息时，自动创建服务器不存在的topic，默认创建的队列数  **defaultTopicQueueNums=4**  #是否允许 Broker 自动创建Topic，测试时可以开启，实用时关闭  **autoCreateTopicEnable=true**  #是否允许 Broker 自动创建订阅组，测试时可以开启，实用时关闭  #在pull形式消费时若设置了falsename会报subscription group not exist，且收不到消息，在push形式消费时没有影响  **autoCreateSubscriptionGroup=true**  #Broker 对外服务的监听端口  **listenPort=10911**  #haService中使用  **haListenPort=10912**  #主要用于slave同步master  **fastListenPort=10909**  #定时删除文件时间点，默认凌晨 4点  **deleteWhen=04**  #文件保留最长时间，默认 48 小时  **fileReservedTime=120**  #commitLog每个文件的大小默认1G  **mapedFileSizeCommitLog=1073741824**  #ConsumeQueue每个文件默认存30W条，根据业务情况调整  **mapedFileSizeConsumeQueue=300000**  #强制删除文件时间间隔（单位毫秒）  #destroyMapedFileIntervalForcibly=120000  #定期检查Hanged文件间隔时间（单位毫秒）  #redeleteHangedFileInterval=120000  #检测物理文件磁盘空间,磁盘空间使用率不能超过88%  **diskMaxUsedSpaceRatio=88**  #存储总路径  **storePathRootDir=/usr/local/rocketmq/store**  #commitLog 存储路径  **storePathCommitLog=/usr/local/rocketmq/store/commitlog**  #消费队列存储路径存储路径  **storePathConsumeQueue=/usr/local/rocketmq/store/consumequeue**  #消息索引存储路径  **storePathIndex=/usr/local/rocketmq/store/index**  #异常退出产生的文件存储路径  **storeCheckpoint=/usr/local/rocketmq/store/checkpoint**  #abort 文件存储路径  **abortFile=/usr/local/rocketmq/store/abort**  #限制的消息大小  **maxMessageSize=65536**  #Commitlog每次刷盘最少页数，每页4kb  **flushCommitLogLeastPages=4**  #ConsumeQueue每次刷盘最页数，每页4kb  #flushConsumeQueueLeastPages=2  #刷盘时间间隔（单位毫秒），此间隔时间优先级高于上面两个参数，即当时间间隔超过之后直接进行刷盘，不考虑页数问题  #flushCommitLogThoroughInterval=10000  #flushConsumeQueueThoroughInterval=60000  #Broker 的角色 （1） ASYNC\_MASTER 异步复制Master （2） SYNC\_MASTER 同步双写Master （3） SLAVE  **brokerRole=ASYNC\_MASTER**  #刷盘方式 （1） ASYNC\_FLUSH 异步刷盘  （2）SYNC\_FLUSH 同步刷盘  **flushDiskType=ASYNC\_FLUSH**  #是否开启事务check过程，消息体量大的时候可以不开启，默认为关闭状态  **checkTransactionMessageEnable=false**  #发消息线程池数量（如果不做配置，个数为16+（核\*线程）\*4）  #sendMessageThreadPoolNums=128  #拉消息线程池数量（如果不做配置，个数为16+（核\*线程）\*4）  #pullMessageThreadPoolNums=12 |

rocketmq后台管理端 rocketmq-console-ng 这是一个开源项目，在github上面有，他是rocket-externals的子项目。

部署使用方法在github上有说明

rocketmq connector 文档

<https://rocketmq-1.gitbook.io/rocketmq-connector/>

rocketmq异步发送信息，报错

SendResult [sendStatus=SEND\_OK, msgId=0A005C5540042437C6DC923A8D300000, offsetMsgId=0A005C9600002A9F0000000000029EE1, messageQueue=MessageQueue [topic=TopicTest, brokerName=localhost.localdomain, queueId=3], queueOffset=236]

org.apache.rocketmq.remoting.exception.RemotingTooMuchRequestException: DEFAULT ASYNC send call timeout

at org.apache.rocketmq.client.impl.producer.DefaultMQProducerImpl$2.run(DefaultMQProducerImpl.java:448)

at java.base/java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:515)

at java.base/java.util.concurrent.FutureTask.run$$$capture(FutureTask.java:264)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)

at java.base/java.lang.Thread.run(Thread.java:834)

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2 Exception org.apache.rocketmq.remoting.exception.RemotingTooMuchRequestException: DEFAULT ASYNC send call timeout

4 Exception org.apache.rocketmq.remoting.exception.RemotingTooMuchRequestException: DEFAULT ASYNC send call timeout

5 Exception org.apache.rocketmq.remoting.exception.RemotingTooMuchRequestException: DEFAULT ASYNC send call timeout

6 Exception org.apache.rocketmq.remoting.exception.RemotingTooMuchRequestException: DEFAULT ASYNC send call timeout

7 Exception org.apache.rocketmq.remoting.exception.RemotingTooMuchRequestException: DEFAULT ASYNC send call timeout

8 Exception org.apache.rocketmq.remoting.exception.RemotingTooMuchRequestException: DEFAULT ASYNC send call timeout

9 Exception org.apache.rocketmq.remoting.exception.RemotingTooMuchRequestException: DEFAULT ASYNC send call timeout

0 OK 0A005C5540042437C6DC923A8D450001

1 OK 0A005C5540042437C6DC923A8D460003

3 OK 0A005C5540042437C6DC923A8D460002

09:28:39.906 [NettyClientSelector\_1] INFO RocketmqRemoting - closeChannel: close the connection to remote address[10.0.92.150:10909] result: true

09:28:39.912 [NettyClientSelector\_1] INFO RocketmqRemoting - closeChannel: close the connection to remote address[10.0.92.150:10911] result: true

09:28:39.913 [NettyClientSelector\_1] INFO RocketmqRemoting - closeChannel: close the connection to remote address[10.0.92.150:9876] result: true

Disconnected from the target VM, address: '127.0.0.1:0', transport: 'socket'

有三个消息发送成功，7个消息发送失败。

org.apache.rocketmq.client.exception.MQClientException: No route info of this topic, TopicTest

See http://rocketmq.apache.org/docs/faq/ for further details.

at org.apache.rocketmq.client.impl.producer.DefaultMQProducerImpl.sendDefaultImpl(DefaultMQProducerImpl.java:610)

at org.apache.rocketmq.client.impl.producer.DefaultMQProducerImpl.access$300(DefaultMQProducerImpl.java:86)

at org.apache.rocketmq.client.impl.producer.DefaultMQProducerImpl$2.run(DefaultMQProducerImpl.java:443)

at java.base/java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:515)

at java.base/java.util.concurrent.FutureTask.run$$$capture(FutureTask.java:264)

at java.base/java.util.concurrent.FutureTask.run(FutureTask.java)

at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)

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这个报错，是因为主程序断掉了，连接断掉了，producer程序连不上broker报的错。

解决，就是等待producer程序处理完数据，在断掉主程序，就没问题。可以用CountDownLatch 来实现。（1等多的情况）

多等1的情况用wait，notifyall来处理

2020年6月1日星期一

5月底需求测试