

From: Umair Akeel <umair.akeel@eloqua.com>
Subject: Re:
Date: September 7, 2010 10:33:39 AM EDT
To: Doug Woods <dowoods@redhat.com>
4 Attachments, 242 KB

argh sorry man - this was documented and I should have looked at it - I guess I am looking for the CANCEL option.

Anyway - bigger concern for now is this - we have our QA test system going through burn-in testing over the weekend and its gotten hung twice.... Here is the setup we are using:

1. sender.py (python client) will send messages of 1 - 4 k in size to the broker at random intervals of a few seconds
2. reciever.py will receive and acknowledge these messages, again at random intervals of a few seconds.

(can send you scripts if you like).


The brokers are setup as follows

1. Server 01 and Server 02 are setup with MRG clustered;
2. The above scrippts are run (many many times) on each of these boxes (so messages are sent and received from each broker)

```
postgres 26521 3722 0 Sep06 ? 00:01:14 postgres: cumin cumin 127.0.0.1(50576) idle
root 26664 1 0 Sep06 ? 00:05:37 python ./sender.py -i localhost -p 5672 None
root 26666 1 0 Sep06 ? 00:06:19 python ./sender.py -i localhost -p 5672
root 26668 1 0 Sep06 ? 00:06:14 python ./sender.py -i localhost -p 5672
root 26670 1 0 Sep06 ? 00:02:07 python ./reciever.py -i localhost -p 5672
root 26672 1 0 Sep06 ? 00:02:08 python ./reciever.py -i localhost -p 5672
root 26674 1 0 Sep06 ? 00:02:09 python ./reciever.py -i localhost -p 5672
root 26676 1 0 Sep06 ? 00:02:08 python ./reciever.py -i localhost -p 5672
root 26691 1 0 Sep06 ? 00:06:17 python ./sender.py -i localhost -p 5672 24
root 26693 1 0 Sep06 ? 00:05:33 python ./sender.py -i localhost -p 5672
root 26695 1 0 Sep06 ? 00:04:21 python ./sender.py -i localhost -p 5672 1
root 26697 1 0 Sep06 ? 00:02:08 python ./reciever.py -i localhost -p 5672
root 26699 1 0 Sep06 ? 00:02:07 python ./reciever.py -i localhost -p 5672 27
root 26701 1 0 Sep06 ? 00:02:07 python ./reciever.py -i localhost -p 5672
root 26703 1 0 Sep06 ? 00:02:08 python ./reciever.py -i localhost -p 5672 444
root 26717 1 0 Sep06 ? 00:05:37 python ./sender.py -i localhost -p 5672
root 26719 1 0 Sep06 ? 00:06:12 python ./sender.py -i localhost -p 5672
root 26721 1 0 Sep06 ? 00:06:20 python ./sender.py -i localhost -p 5672
root 26723 1 0 Sep06 ? 00:02:09 python ./reciever.py -i localhost -p 5672
root 26725 1 0 Sep06 ? 00:02:08 python ./reciever.py -i localhost -p 5672
root 26727 1 0 Sep06 ? 00:02:08 python ./reciever.py -i localhost -p 5672
root 26729 1 0 Sep06 ? 00:02:07 python ./reciever.py -i localhost -p 5672
```

3. We then use the MRG Admin console to make sure we see this traffic and all stays working...


4. After many hours - at about 1 am last night - the broker seemed to stop working.....

**redhat**
Enterprise MRG

Administrator | [Grid User](#) | [Your Account](#)

Overview | Inventory | **Messaging** | Grid

Messaging > Broker '/' > Queue 'mrg.monitoring.burntest.queue'

 **mrg.monitoring.burntest.queue**

Update Time 2010-09-07 01:12:11 [Remove](#) [Purge](#) [Move messages](#) [Add Binding](#)

Overview | Bindings | Subscriptions | Details

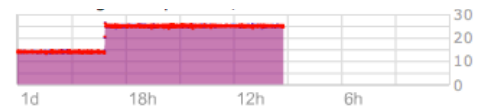
☒ General ☐ Durability ☐ Transactions

Input/Output

Statistic	Value
Messages Enqueued	1451914

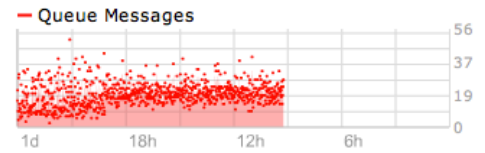
Messages enqueued and dequeued
☐ 10 minutes ☐ 1 hour ☒ 1 day
— Messages Dequeued / sec
— Messages Enqueued / sec

Messages Dequeued	1451887
Bytes Enqueued	3707097477
Bytes Dequeued	3707023033
Messages Unacked	0
Message Latency	None
General	
Statistic	Value
Consumers	24
Bindings	1
Queue Messages	27
Bytes	74444



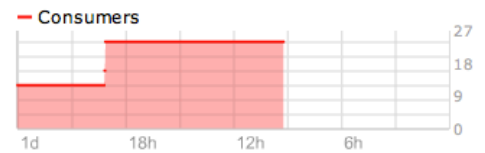
Queue Depth

☐ 10 minutes ☐ 1 hour ☒ 1 day



Consumers

☐ 10 minutes ☐ 1 hour ☒ 1 day



So - here is the situation now: the brokers (appear to be running) on both server; BUT after trying to do a connect, or even qpid-config - we get no response:

```
[root@s-mrgqa01 data]# service qpid status
qpid (pid 26151) is running...
[root@s-mrgqa01 data]# qpid-config
[root@s-mrgqa01 data]#
```

```
root 2012/09/07 10:02:07 python ./relever.py v1
[root@s-mrgqa01 data]# qpid-cluster
Failed: Timeout - Waiting for connection to be established with broker
[root@s-mrgqa01 data]#
```

Am not going to restart either of these since we want to understand what could have caused this - any advice from you and your team would be greatly helpful - we are treating this as a system down so we can learn how to handle this situation later

Thanks

Umair A.

On 2010-09-07, at 8:35 AM, Doug Woods wrote:

Umair,

I found this information(based on MRG v1.1) but I am waiting on a response from Product Management to confirm or supply the behavior we should be expecting for MRG v1.3.

Rejected and orphaned messages

Messages can be *rejected* by a subscribed client. Once a message has been rejected by a client, it will not be re-delivered. Messages can also be *orphaned* if they are left on a queue when that queue is deleted.

For both rejected and orphaned messages, the system can be configured to handle them using an *alternate-exchange*. An alternate exchange is specified when the queue is declared. Any rejected or orphaned messages will automatically be routed to the alternate exchange, to be re-routed to other bound queues or deleted if necessary. If no alternate exchange is specified, all rejected and orphaned messages will be automatically deleted.

Regards,
Doug Woods

----- Original Message -----

From: "Umair Akeel" <umair.akeel@eloqua.com>

To: "Doug Woods" <dowoods@redhat.com>

Sent: Friday, September 3, 2010 12:13:30 PM GMT -05:00 US/Canada Eastern

Subject: RE: Re:

Quick question - from the API I am not clear on the functionality of

Session.Reject(Message m)

If I call this method; is there a way to set the Message to be requeued so another receiver can get it ?

Thanks

Umair A.

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