

./CAF+kE_Sek_g0iLrD3w5Gcf20fzvUf8CTwZ_frKCgKejRTUw4TQ@mail.gmail.com.mbx.txt
Tue Nov 12 15:15:07 2024 1

From mboxrd@z Thu Jan 1 00:00:00 1970

Return-Path: <users-return-57563-archive-asf-public=cust-asf.ponee.io@activemq.apache.org>

X-Original-To: archive-asf-public@cust-asf.ponee.io

Delivered-To: archive-asf-public@cust-asf.ponee.io

Received: from mxout1-he-de.apache.org (mxout1-he-de.apache.org [95.216.194.37])

by mx-eu-03.ponee.io (Postfix) with ESMTPS id 5E7793E817

for <archive-asf-public@cust-asf.ponee.io>; Tue, 22 Oct 2024 15:42:44 +0000 (UTC)

Received: from mail.apache.org (mailgw-he-de.apache.org [IPv6:2a01:4f8:c2c:d4aa::1])

(using TLSv1.3 with cipher TLS_AES_256_GCM_SHA384 (256/256 bits)

key-exchange X25519 server-signature RSA-PSS (4096 bits) server-digest SHA256)

(No client certificate requested)

by mxout1-he-de.apache.org (ASF Mail Server at mxout1-he-de.apache.org) with ESMTPS id 348DD641BE

for <archive-asf-public@cust-asf.ponee.io>; Tue, 22 Oct 2024 15:42:44 +0000 (UTC)

C)

Received: (qmail 479476 invoked by uid 998); 22 Oct 2024 15:42:43 -0000

Mailing-List: contact users-help@activemq.apache.org; run by ezmlm

Precedence: bulk

List-Help: <mailto:users-help@activemq.apache.org>

List-Unsubscribe: <mailto:users-unsubscribe@activemq.apache.org>

List-Post: <mailto:users@activemq.apache.org>

List-Id: <users.activemq.apache.org>

Reply-To: users@activemq.apache.org

Delivered-To: mailing list users@activemq.apache.org

Received: (qmail 479459 invoked by uid 116); 22 Oct 2024 15:42:43 -0000

Received: from mailrelay1-he-de.apache.org (HELO mailrelay1-he-de.apache.org) (116.203.21.61)

by apache.org (qpsmtpd/0.94) with ESMTP; Tue, 22 Oct 2024 15:42:43 +0000

Authentication-Results: apache.org; auth=none

Received: from mail-lj1-f173.google.com (mail-lj1-f173.google.com [209.85.208.173])

by mailrelay1-he-de.apache.org (ASF Mail Server at mailrelay1-he-de.apache.org) with ESMTPSA id DE1913EBFE

for <users@activemq.apache.org>; Tue, 22 Oct 2024 15:42:42 +0000 (UTC)

Received: by mail-lj1-f173.google.com with SMTP id 38308e7fff4ca-2fb587d0436so56694981fa.2

for <users@activemq.apache.org>; Tue, 22 Oct 2024 08:42:42 -0700 (PDT)

X-Gm-Message-State: AOJu0YzLAKWmd6XLWJznKik8KptmLtoIcQHSuPZWQuHTRGrt6aKVge/w

DHrdDbWxi8Q2brFWq/Ao8WXrwf3jn2X8cuogO3qKyakgWFiSeykWFslpVogGH1OmQbEQN9WlPYU

UF/7vrZM0BEqdMahZKHsHH2i9raI/y3mY1KCY5Q==

X-Google-Smtp-Source: AGHT+IHFInNEIV/MR8G4w2XicXv/pNxjUEMkchB10l2T88RpFRr8pJ1UFKS5F/fLjP2v98uipiemwu6pfOjpSU0stU=

X-Received: by 2002:a2e:b8c6:0:b0:2fb:3c44:7f8b with SMTP id

38308e7fff4ca-2fb83226eb4mr75579591fa.43.1729611762425; Tue, 22 Oct 2024

08:42:42 -0700 (PDT)

MIME-Version: 1.0

References: <9b72557f65dd4f1f91f6ef666a97a9af@ti.com> <2b3ff3b259c745ccba720713da0e048d@ti.com>

In-Reply-To: <2b3ff3b259c745ccba720713da0e048d@ti.com>

From: Justin Bertram <jbertram@apache.org>

Date: Tue, 22 Oct 2024 10:42:16 -0500

X-Gmail-Original-Message-ID: <CAF+kE=Sek=g0iLrD3w5Gcf20fzvUf8CTwZ_frKCgKejRTUw4TQ@mail.gmail.com>

Message-ID: <CAF+kE=Sek=g0iLrD3w5Gcf20fzvUf8CTwZ_frKCgKejRTUw4TQ@mail.gmail.com>

Subject: Re: ActiveMQ ERROR Question

To: "users@activemq.apache.org" <users@activemq.apache.org>

Content-Type: multipart/alternative; boundary="000000000000b319d10625129e2e"

--000000000000b319d10625129e2e

Content-Type: text/plain; charset="UTF-8"

Content-Transfer-Encoding: quoted-printable

./CAF+kE_Sek_g0iLrD3w5Gcf20fzvUf8CTwZ_frKCgKejRTUw4TQ@mail.gmail.com.mbx.txt
Tue Nov 12 15:15:07 2024 2

Can you provide your <cluster-connections> from broker.xml? I suspect you're using the default <reconnect-attempts> value of -1 which means that when a broker drops out of the cluster the other nodes to which the node was previously connected will attempt to reconnect forever and, in the meantime, will continue routing messages for that node to the internal store-and-forward queue.

Also, if you're using multicast discovery then you're likely sharing the same multicast address and port between your different environments (e.g. dev & prod) which typically isn't desirable as it allows cross-environment clustering like you're seeing.

Lastly, if you experienced split-brain then I suspect you're using replication for HA. If that's true then you should definitely be mitigating split-brain as discussed in the documentation [1].

Justin

[1]
<https://activemq.apache.org/components/artemis/documentation/latest/network-isolation.html#network-isolation-split-brain>

On Tue, Oct 22, 2024 at 8:51-0800 AFAM Macias, Erick <emacias@ti.com.invalid> wrote:

> Hello,
>
> We had a strange error on ActiveMQ last week, and wanted to check if
> someone has experienced this before.
>
> Background
> A couple of weeks ago we patched the ActiveMQ Prod VMs, after they were
> restarted the wrong configuration was setup causing a "Split brain"
> problem between the master and the slave.
>
> To troubleshoot the invalid configuration before going to production we
> had 2 test VMs created to verify the update process from the previous
> (static configuration) the new configuration using Multi Cast. The testin=
g
> worked as expected and we were ready to update the configuration on
> production.
>
> On Sept 27th the correct configuration was (same as you are currently
> using) we ended up having 2 masters and 2 slaves on at the same time - th=
is
> happened because the test VMs had not been turned off yet. When we realiz=
ed
> this, we turned the test VMs immediately. There were no errors or warning=
s
> in the ActiveMQ or Activity Manager logs, thus we thought there would not
> be an issue.
>
> A couple days after (Oct 1st) the test VMs were decommissioned, and ERROR=
s
> started being generated in the ActiveMQ logs, because it could not find t=
he
> test VMs:
>
> Example Error Message
> 2024-10-01 12:40:19,056 ERROR [org.apache.activemq.artemis.core.client]

./CAF+kE_Sek_g0iLrD3w5Gcf20fzvUf8CTwZ_frKCgKejRTUw4TQ@mail.gmail.com.mbx.txt
Tue Nov 12 15:15:07 2024 3

```
> AMQ214016: Failed to create netty connection
> java.net.UnknownHostException: amq11test
>   at java.net.InetAddress$CachedAddresses.get(InetAddress.java:797)
> ~[?:?]
>   at java.net.InetAddress.getAllByName0(InetAddress.java:1533) ~[?:=?]
>   at java.net.InetAddress.getAllByName(InetAddress.java:1386) ~[?:=?]
>   at java.net.InetAddress.getAllByName(InetAddress.java:1307) ~[?:=?]
>   at java.net.InetAddress.getByName(InetAddress.java:1257) ~[?:?]
>   at io.netty.util.internal.SocketUtils$8.run(SocketUtils.java:156)
> ~[netty-common-4.1.86.Final.jar:4.1.86.Final]
>   at io.netty.util.internal.SocketUtils$8.run(SocketUtils.java:153)
> ~[netty-common-4.1.86.Final.jar:4.1.86.Final]
>   at java.security.AccessController.doPrivileged(Native Method)
> ~[?:?]
>   ....
>
> On Oct 3rd at 8:15 AM the program scheduling work continued communicating
> with ActiveMQ, however no jobs were being pulled from the ActiveMQ queues=
.
> The logs on the ActiveMQ only included the previous error I had included,
> and there were no errors on program scheduling work.
>
> Solution
>
> * Restarted the master ActiveMQ - this solved the Failed to create
> netty connection ERROR
> * Added a monitor (checkAMQLog) script to Active MQ to get notified
> if an ERROR or warning is triggered
> * For future ActiveMQ debugging in test VMs -use a different port for
> troubleshooting
>
> We are working to perform a root cause analysis on this issue - however w=
e
> are not able to find a specific error in the artemis log when the jobs
> stopped being pulled from the queue. Please let me know if this behavior =
is
> expected or additional commands that can be used to troubleshoot in futur=
e
> if it were to happen again.
>
> Thanks for your help!
> Erick
>
```

--0000000000000b319d10625129e2e--

From mboxrd@z Thu Jan 1 00:00:00 1970

Return-Path: <users-return-57560-archive-asf-public=cust-asf.ponee.io@activemq.apache.org>

X-Original-To: archive-asf-public@cust-asf.ponee.io

Delivered-To: archive-asf-public@cust-asf.ponee.io

Received: from mxout1-he-de.apache.org (mxout1-he-de.apache.org [95.216.194.37])
by mx-eu-03.ponee.io (Postfix) with ESMTPS id B2E133E6B5

for <archive-asf-public@cust-asf.ponee.io>; Tue, 22 Oct 2024 13:51:24 +0000 (UTC)

Received: from mail.apache.org (mailgw-he-de.apache.org [IPv6:2a01:4f8:c2c:d4aa::1])
(using TLSv1.3 with cipher TLS_AES_256_GCM_SHA384 (256/256 bits)
key-exchange X25519 server-signature RSA-PSS (4096 bits) server-digest SHA256)
(No client certificate requested)
by mxout1-he-de.apache.org (ASF Mail Server at mxout1-he-de.apache.org) with ESMTPS id 8801863EE4

./CAF+kE_Sek_g0iLrD3w5Gcf20fzvUf8CTwZ_frKCgKejRTUw4TQ@mail.gmail.com.mbx.txt
Tue Nov 12 15:15:07 2024 4

for <archive-asf-public@cust-asf.ponee.io>; Tue, 22 Oct 2024 13:50:12 +0000 (UTC)

Received: (qmail 99110 invoked by uid 998); 22 Oct 2024 13:50:10 -0000

Mailing-List: contact users-help@activemq.apache.org; run by ezmlm

Precedence: bulk

List-Help: <mailto:users-help@activemq.apache.org>

List-Unsubscribe: <mailto:users-unsubscribe@activemq.apache.org>

List-Post: <mailto:users@activemq.apache.org>

List-Id: <users.activemq.apache.org>

Reply-To: users@activemq.apache.org

Delivered-To: mailing list users@activemq.apache.org

Received: (qmail 99091 invoked by uid 116); 22 Oct 2024 13:50:09 -0000

Received: from spamproc1-he-de.apache.org (HELO spamproc1-he-de.apache.org) (116.203.196.100)

by apache.org (qpsmtpd/0.94) with ESMTP; Tue, 22 Oct 2024 13:50:09 +0000

Authentication-Results: apache.org; auth=none

Received: from localhost (localhost [127.0.0.1])

by spamproc1-he-de.apache.org (ASF Mail Server at spamproc1-he-de.apache.org) with ESMTP id 15B6820024D

for <users@activemq.apache.org>; Tue, 22 Oct 2024 13:50:09 +0000 (UTC)

X-Virus-Scanned: Debian amavisd-new at spamproc1-he-de.apache.org

X-Spam-Flag: NO

X-Spam-Score: -0.141

X-Spam-Level:

X-Spam-Status: No, score=-0.141 tagged_above=-999 required=6.31

tests=[DKIMWL_WL_HIGH=-0.144, DKIM_SIGNED=0.1, DKIM_VALID=-0.1, DKIM_VALID_AU=-0.1, DKIM_VALID_EF=-0.1, HTML_MESSAGE=0.2, RCVD_IN_DNSWL_BLOCKED=0.001, RCVD_IN_VALIDITY_RPBL_BLOCKED=0.001, RCVD_IN_VALIDITY_SAFE_BLOCKED=0.001, SPF_PASS=-0.001, URIBL_BLOCKED=0.001] autolearn=disabled

Authentication-Results: spamproc1-he-de.apache.org (amavisd-new);

dkim=pass (1024-bit key) header.d=ti.com

Received: from mx1-he-de.apache.org ([116.203.227.195])

by localhost (spamproc1-he-de.apache.org [116.203.196.100]) (amavisd-new, port 10024)

with ESMTP id OBq7KkpuzJgt for <users@activemq.apache.org>;

Tue, 22 Oct 2024 13:50:07 +0000 (UTC)

Received-SPF: Pass (mailfrom) identity=mailfrom; client-ip=198.47.19.142; helo=fllv0016.ext.ti.com; envelope-from=emacias@ti.com; receiver=<UNKNOWN>

Received: from fllv0016.ext.ti.com (fllv0016.ext.ti.com [198.47.19.142])

by mx1-he-de.apache.org (ASF Mail Server at mx1-he-de.apache.org) with ESMTPS id 6FBE1816B4

for <users@activemq.apache.org>; Tue, 22 Oct 2024 13:50:07 +0000 (UTC)

Received: from lel0266.itg.ti.com ([10.180.67.225])

by fllv0016.ext.ti.com (8.15.2/8.15.2) with ESMTP id 49MDnxG5036356

for <users@activemq.apache.org>; Tue, 22 Oct 2024 08:49:59 -0500

X-ASF-DKIM-Sig: v=1; a=rsa-sha256; c=relaxed/relaxed; d=ti.com;

s=ti-com-17Q1; t=1729604999;

bh=8SGvAWx6bpB7cTsAJfgxI7UIMn/OXgselo8pmG5eMgY=;

h=From:To:Subject:Date:References:In-Reply-To;

b=y5NPenbXOdyUioiMWFOXNzZLs//A0/snXZiYyhLxWWuJPzj1zhGdSy3wAg2FLM4d6J8jcwbbk115cNAQwyLrKBvP+9oGr+MP3bMlRdwp0QysM/yr/ApRT2XwKMnta/lr2e75YaL7UPNpA/9ZKhMjrtVnx4XEaQ1IL+8nb6ZzTJs=

Received: from DLEE102.ent.ti.com (dlee102.ent.ti.com [157.170.170.32])

by lel0266.itg.ti.com (8.15.2/8.15.2) with ESMTP id 49MDnxDV089639

for <users@activemq.apache.org>; Tue, 22 Oct 2024 08:49:59 -0500

Received: from DLEE106.ent.ti.com (157.170.170.36) by DLEE102.ent.ti.com

(157.170.170.32) with Microsoft SMTP Server (version=TLS1_2, cipher=TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256_P256) id 15.1.2507.23; Tue, 22 Oct 2024 08:49:59 -0500

Received: from DLEE106.ent.ti.com ([fe80::8d93:1ed8:6156:7891]) by

DLEE106.ent.ti.com ([fe80::8d93:1ed8:6156:7891%17]) with mapi id

15.01.2507.023; Tue, 22 Oct 2024 08:49:59 -0500

./CAF+kE_Sek_g0iLrD3w5Gcf20fzvUf8CTwZ_frKCgKejRTUw4TQ@mail.gmail.com.mbx.txt
Tue Nov 12 15:15:07 2024 5

From: "Macias, Erick" <emacias@ti.com.INVALID>
To: "users@activemq.apache.org" <users@activemq.apache.org>
Subject: ActiveMQ ERROR Question
Thread-Topic: ActiveMQ ERROR Question
Thread-Index: AdsZqGlrZ6VSVL79TO2CriGNIRyOSQK4MjeA
Date: Tue, 22 Oct 2024 13:49:58 +0000
Message-ID: <2b3ff3b259c745ccba720713da0e048d@ti.com>
References: <9b72557f65dd4f1f91f6ef666a97a9af@ti.com>
In-Reply-To: <9b72557f65dd4f1f91f6ef666a97a9af@ti.com>
Accept-Language: en-US
Content-Language: en-US
X-MS-Has-Attach:
X-MS-TNEF-Correlator:
x-originating-ip: [10.249.37.18]
x-c2processedorg: 333ef613-75bf-4e12-a4b1-8e3623f5dcea
Content-Type: multipart/alternative;
boundary="_000_2b3ff3b259c745ccba720713da0e048dticom_"
MIME-Version: 1.0

--_000_2b3ff3b259c745ccba720713da0e048dticom_
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Hello,

We had a strange error on ActiveMQ last week, and wanted to check if someone has experienced this before.

Background

A couple of weeks ago we patched the ActiveMQ Prod VMs, after they were restarted the wrong configuration was setup causing a "Split brain" problem between the master and the slave.

To troubleshoot the invalid configuration before going to production we had 2 test VMs created to verify the update process from the previous (static configuration) the new configuration using Multi Cast. The testing worked as expected and we were ready to update the configuration on production.

On Sept 27th the correct configuration was (same as you are currently using) we ended up having 2 masters and 2 slaves on at the same time - this happened because the test VMs had not been turned off yet. When we realized this, we turned the test VMs immediately. There were no errors or warnings in the ActiveMQ or Activity Manager logs, thus we thought there would not be an issue.

A couple days after (Oct 1st) the test VMs were decommissioned, and ERRORS started being generated in the ActiveMQ logs, because it could not find the test VMs:

Example Error Message

```
2024-10-01 12:40:19,056 ERROR [org.apache.activemq.artemis.core.client] AMQ=
214016: Failed to create netty connection
java.net.UnknownHostException: amqlltest
    at java.net.InetAddress$CachedAddresses.get(InetAddress.java:797) ~=
[?:?]
    at java.net.InetAddress.getAllByName0(InetAddress.java:1533) ~[?:?]
    at java.net.InetAddress.getAllByName(InetAddress.java:1386) ~[?:?]
    at java.net.InetAddress.getAllByName(InetAddress.java:1307) ~[?:?]
    at java.net.InetAddress.getByName(InetAddress.java:1257) ~[?:?]
    at io.netty.util.internal.SocketUtils$8.run(SocketUtils.java:156) ~=
[netty-common-4.1.86.Final.jar:4.1.86.Final]
    at io.netty.util.internal.SocketUtils$8.run(SocketUtils.java:153) ~=
[netty-common-4.1.86.Final.jar:4.1.86.Final]
```

./CAF+kE_Sek_g0iLrD3w5Gcf20fzvUf8CTwZ_frKCgKejRTUw4TQ@mail.gmail.com.mbx.txt
Tue Nov 12 15:15:07 2024 6

```
        at java.security.AccessController.doPrivileged(Native Method) ~[?:?=
    ]
        ....
```

On Oct 3rd at 8:15 AM the program scheduling work continued communicating with ActiveMQ, however no jobs were being pulled from the ActiveMQ queues. The logs on the ActiveMQ only included the previous error I had included, and there were no errors on program scheduling work.

Solution

- * Restarted the master ActiveMQ - this solved the Failed to create netty connection ERROR
- * Added a monitor (checkAMQLog) script to Active MQ to get notified if an ERROR or warning is triggered
- * For future ActiveMQ debugging in test VMs -use a different port for troubleshooting

We are working to perform a root cause analysis on this issue - however we are not able to find a specific error in the artemis log when the jobs stopped being pulled from the queue. Please let me know if this behavior is expected or additional commands that can be used to troubleshoot in future if it were to happen again.

Thanks for your help!
Erick

--_000_2b3ff3b259c745ccba720713da0e048dticom_--