

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 1

From mboxrd@z Thu Jan 1 00:00:00 1970
Return-Path: <users-return-57505-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 00A803E6D6
for <archive-asf-public@cust-asf.ponee.io>; Thu, 3 Oct 2024 13:30:40 +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 D18DC68B66
for <archive-asf-public@cust-asf.ponee.io>; Thu, 3 Oct 2024 13:30:11 +0000 (UTC)
Received: (qmail 793224 invoked by uid 998); 3 Oct 2024 13:30:10 -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 793205 invoked by uid 116); 3 Oct 2024 13:30:09 -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; Thu, 03 Oct 2024 13:30:09 +0000
Authentication-Results: apache.org; auth=none
Received: from mail-ljl-f175.google.com (mail-ljl-f175.google.com [209.85.208.175])
by mailrelay1-he-de.apache.org (ASF Mail Server at mailrelay1-he-de.apache.org) with ESMTPSA id C54D83EBFE
for <users@activemq.apache.org>; Thu, 3 Oct 2024 13:30:09 +0000 (UTC)
Received: by mail-ljl-f175.google.com with SMTP id 38308e7fff4ca-2facf40737eso12445111fa.0
for <users@activemq.apache.org>; Thu, 03 Oct 2024 06:30:09 -0700 (PDT)
X-Gm-Message-State: AOJu0YwQMnmvSK9HHYX3uXZNG4sJtXcTeyA2svZc06EscXU6WaDJ3jHv
eKKkwyws3sJRUQaM0s6mRTgHDxovUJgIx5dCj1SRkxt22M0nlqfAbX9SRPr7AEC+wmZ1t6uIBv+
PunAB4AwA2U8l0gT7Y/mYu9nXEVsVbGWkeZ4ZQg==
X-Google-Smtp-Source: AGHT+IFiG018fvkJANAhDzgMRTUGPdQ6GIzbFCUT3RH9yyPKHfE37vZw6iKxZJG+B
LjEDMj2n4hgl5X29PMAOgjRNCE=
X-Received: by 2002:a2e:be28:0:b0:2fa:d31a:1b77 with SMTP id 38308e7fff4ca-2fae1024545mr42126041fa.9.1727962209255; Thu, 03 Oct 2024 06:30:09 -0700 (PDT)
MIME-Version: 1.0
References: <CA0OFvV9RpTXU7vuHJ7qeddrfzCr=P=XZEMPTx6qvghAnMGAjug@mail.gmail.com>
In-Reply-To: <CA0OFvV9RpTXU7vuHJ7qeddrfzCr=P=XZEMPTx6qvghAnMGAjug@mail.gmail.com>
From: Justin Bertram <jbertram@apache.org>
Date: Thu, 3 Oct 2024 08:29:42 -0500
X-Gmail-Original-Message-ID: <CAF+kE=S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com>
Message-ID: <CAF+kE=S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com>
Subject: Re: Bridging Artemis with classic
To: users@activemq.apache.org
Content-Type: multipart/alternative; boundary="000000000000ab30060623928de8"

--000000000000ab30060623928de8
Content-Type: text/plain; charset="UTF-8"
Content-Transfer-Encoding: quoted-printable

Yes. You can bridge messages from Artemis to Classic and vice versa.

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEb6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 2

However, you can't use a Core bridge to do it. Core bridges, as the name suggests, use the Core protocol. A Core bridge can't use the AMQP protocol.

I recommend Camel since it's mature, powerful, and ubiquitous. You can set up Camel routes on either Artemis or Classic. Here's [1] an example of how to do it on Artemis.

It's also possible to use the JMS bridge that ships with Artemis [2].

Justin

[1]
<https://github.com/apache/activemq-artemis-examples/tree/main/examples/features/standard/camel>

[2]
<https://github.com/apache/activemq-artemis-examples/tree/main/examples/features/sub-modules/inter-broker-bridge/artemis-jms-bridge>

On Thu, Oct 3, 2024 at 2:38=E2=80=AFAM Kunal Rao <kunal@mechination.com.au> wrote:

```
> Hi,
>
> Is it possible to bridge artemis with classic broker?
> I am trying with AMQP protocol.
>
> I am getting this error
>
> plbroker-1 | 2024-10-03 07:34:50,270 WARN
> [org.apache.activemq.artemis.core.server] AMQ224091: Bridge
> BridgeImpl@6a3012f8 [name=3Damqp-bridge, queue=3DQueueImpl[name=3Dplbroke=
> r.out,
> postOffice=3DPostOfficeImpl [server=3DActiveMQServerImpl::name=3D0.0.0.0]=
> ,
> temp=3Dfalse]@7af74850 targetConnector=3DServerLocatorImpl (identity=3DBr=
> idge
> amqp-bridge)
> [initialConnectors=3D[TransportConfiguration(name=3Dactivemq-classic-amqp=
> ,
>
> factory=3Dorg.apache.activemq.artemis.core.remoting.impl.netty-NettyConne=
> ctorFactory)?port=3D5672&host=3Dcentralbroker&protocols=3DAMQP],
> discoveryGroupConfiguration=3Dnull]] is unable to connect to destination.
> Retrying
> centralbroker-1 | WARN | Connection attempt from non AMQP v1.0 client.
> ARTEMIS,0
> centralbroker-1 | WARN | Transport Connection to: tcp://172.19.0.3:3377=
8
> failed: Connection from client using unsupported AMQP attempted
>
> broker.xml
> =3D=3D=3D=3D=3D=3D=3D=3D=3D
>
> <acceptors>
>
> <acceptor name=3D"artemis">
> tcp://
>
> 0.0.0.0:61616?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;=
amqpMinLargeMessageSize=3D102400;protocols=3DCORE,AMQP,STOMP,HORNETQ,MQTT,O=
PENWIRE;useEpoll=3Dtrue;amqpCredits=3D1000;amqpLowCredits=3D300;amqpDuplica=
teDetection=3Dtrue;supportAdvisory=3Dfalse;suppressInternalManagementObject=
```


./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 4

```
> <transportConnectors>
> <!-- DOS protection, limit concurrent connections to 1000 and frame size =
to
> 100MB -->
> <transportConnector name=3D"openwire"
> uri=3D"tcp://0.0.0.0:61616?maximumConnections=3D1000&
> wireFormat.maxFrameSize=3D104857600000" />
> <transportConnector name=3D"amqp"
> uri=3D"amqp://0.0.0.0:5672?maximumConnections=3D1000&
> wireFormat.maxFrameSize=3D104857600" />
> <transportConnector name=3D"stomp"
> uri=3D"stomp://0.0.0.0:61613?maximumConnections=3D1000&
> wireFormat.maxFrameSize=3D104857600" />
> <transportConnector name=3D"mqtt"
> uri=3D"mqtt://0.0.0.0:1883?maximumConnections=3D1000&
> wireFormat.maxFrameSize=3D104857600" />
> <transportConnector name=3D"ws"
> uri=3D"ws://0.0.0.0:61614?maximumConnections=3D1000&
> wireFormat.maxFrameSize=3D104857600" />
> </transportConnectors>
>
>
> what am i doing wrong?
>
> Cheers
> Kunal
>
```

--00000000000000ab30060623928de8--
From mboxrd@z Thu Jan 1 00:00:00 1970
Return-Path: <users-return-57515-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 347193E6D6
for <archive-asf-public@cust-asf.ponee.io>; Thu, 3 Oct 2024 16:51:15 +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 ES
MTPS id 4CF32630C5
for <archive-asf-public@cust-asf.ponee.io>; Thu, 3 Oct 2024 16:49:42 +0000 (UTC)
Received: (qmail 1198331 invoked by uid 998); 3 Oct 2024 16:49:41 -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 1198308 invoked by uid 116); 3 Oct 2024 16:49:40 -0000
Received: from ec2-52-204-25-47.compute-1.amazonaws.com (HELO mailrelay1-ec2-va.apache.org) (52.204.25.47)
by apache.org (qpsmtpd/0.94) with ESMTPT; Thu, 03 Oct 2024 16:49:40 +0000
Authentication-Results: apache.org; auth=none
Received: from mail-lf1-f47.google.com (mail-lf1-f47.google.com [209.85.167.47])
by mailrelay1-ec2-va.apache.org (ASF Mail Server at mailrelay1-ec2-va.apache.org) with ESMTPTSA id 1F81C3E915

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 5

for <users@activemq.apache.org>; Thu, 3 Oct 2024 16:49:40 +0000 (UTC)
Received: by mail-lf1-f47.google.com with SMTP id 2adb3069b0e04-5398cc2fcb7sol1436646e87.1

for <users@activemq.apache.org>; Thu, 03 Oct 2024 09:49:40 -0700 (PDT)
X-Gm-Message-State: AOJu0Yx4TkfHdlZ4+b7TWQOejtZxL1lcrnuGzJ8iDI38bVJwh76RizeP
vv3vNAax8S7THkLkY/+8KPUxVvcjzbUuGFOSN/QI2lfX/1qofBGjbd10D3F4hx3n3XPBmTcVwj+
SW0zzLnWXbOYyoTRw/WIGaJPJCkrSx+BcShGu8g==
X-Google-Smtp-Source: AGHT+IEYwLe4oqCxdX62NTmEeJ0mlNhuuivBaRzNI3jcwlu51rESasx0mt8DQHIMD
H9bClgTW8ueLPeQrqnEfAhTr7c=
X-Received: by 2002:a05:6512:23a1:b0:52c:fd46:bf07 with SMTP id
2adb3069b0e04-539ab8clae7mrl16984e87.49.1727974179042; Thu, 03 Oct 2024
09:49:39 -0700 (PDT)

MIME-Version: 1.0

References: <CAOOFvV9RpTXU7vuHJ7qeddrfzCr=P=XZEMPTx6qvghAnMGAjug@mail.gmail.com>

<CAF+kE=S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com>

In-Reply-To: <CAF+kE=S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com>

From: Justin Bertram <jbertram@apache.org>

Date: Thu, 3 Oct 2024 11:49:12 -0500

X-Gmail-Original-Message-ID: <CAF+kE=QPgjc0TTXo48Ye0yYnAwjusPCjuANg+SDchB9R8HE0sQ@mail.gmail.com>

Message-ID: <CAF+kE=QPgjc0TTXo48Ye0yYnAwjusPCjuANg+SDchB9R8HE0sQ@mail.gmail.com>

Subject: Re: Bridging Artemis with classic

To: users@activemq.apache.org

Content-Type: multipart/alternative; boundary="00000000000001fb0de0623955774"

--00000000000001fb0de0623955774

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

Content-Transfer-Encoding: quoted-printable

Just to clarify...ActiveMQ Classic doesn't support the Core protocol so
that is why you can't use a Core bridge to integrate.

Justin

On Thu, Oct 3, 2024 at 8:29=E2=80=AFAM Justin Bertram <jbertram@apache.org>=
wrote:

> Yes. You can bridge messages from Artemis to Classic and vice versa.
> However, you can't use a Core bridge to do it. Core bridges, as the name
> suggests, use the Core protocol. A Core bridge can't use the AMQP proto=
l.

>
> I recommend Camel since it's mature, powerful, and ubiquitous. You can se=
t
> up Camel routes on either Artemis or Classic. Here's [1] an example of ho=
w
> to do it on Artemis.

>
> It's also possible to use the JMS bridge that ships with Artemis [2].
>

>
> Justin

>
> [1]
> <https://github.com/apache/activemq-artemis-examples/tree/main/examples/features/standard/camel>

> [2]
> <https://github.com/apache/activemq-artemis-examples/tree/main/examples/features/sub-modules/inter-broker-bridge/artemis-jms-bridge>

>
> On Thu, Oct 3, 2024 at 2:38=E2=80=AFAM Kunal Rao <kunal@mechination.com.a=
u> wrote:

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 6

```
>
>> Hi,
>>
>> Is it possible to bridge artemis with classic broker?
>> I am trying with AMQP protocol.
>>
>> I am getting this error
>>
>> plbroker-1 | 2024-10-03 07:34:50,270 WARN
>> [org.apache.activemq.artemis.core.server] AMQ224091: Bridge
>> BridgeImpl@6a3012f8 [name=3Damqp-bridge, queue=3DQueueImpl[name=3Dplbrok=
er.out,
>> postOffice=3DPostOfficeImpl [server=3DActiveMQServerImpl::name=3D0.0.0.0=
],
>> temp=3Dfalse]@7af74850 targetConnector=3DServerLocatorImpl (identity=3DB=
ridge
>> amqp-bridge)
>> [initialConnectors=3D[TransportConfiguration(name=3Dactivemq-classic-amq=
p,
>>
>> factory=3Dorg-apache-activemq-artemis-core-remoting-impl-netty-NettyConn=
ectorFactory)?port=3D5672&host=3Dcentralbroker&protocols=3DAMQP],
>> discoveryGroupConfiguration=3Dnull]] is unable to connect to destination=
.
>> Retrying
>> centralbroker-1 | WARN | Connection attempt from non AMQP v1.0 client.
>> ARTEMIS,0
>> centralbroker-1 | WARN | Transport Connection to: tcp://
>> 172.19.0.3:33778
>> failed: Connection from client using unsupported AMQP attempted
>>
>> broker.xml
>> =3D=3D=3D=3D=3D=3D=3D=3D=3D
>>
>> <acceptors>
>>
>> <acceptor name=3D"artemis">
>> tcp://
>>
>> 0.0.0.0:61616?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576=
;amqpMinLargeMessageSize=3D102400;protocols=3DCORE,AMQP,STOMP,HORNETQ,MQTT,=
OPENWIRE;useEpoll=3Dtrue;amqpCredits=3D1000;amqpLowCredits=3D300;amqpDuplic=
ateDetection=3Dtrue;supportAdvisory=3Dfalse;suppressInternalManagementObjec=
ts=3Dfalse
>> </acceptor>
>>
>> <!-- AMQP Acceptor. Listens on default AMQP port for AMQP traffic.-->
>> <acceptor name=3D"amqp">
>> tcp://
>>
>> 0.0.0.0:5672?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;=
protocols=3DAMQP;useEpoll=3Dtrue;amqpCredits=3D1000;amqpLowCredits=3D300;am=
qpMinLargeMessageSize=3D102400;amqpDuplicateDetection=3Dtrue;handshake-time=
out=3D0
>> </acceptor>
>>
>> <!-- STOMP Acceptor. -->
>> <acceptor name=3D"stomp">
>> tcp://
>>
>> 0.0.0.0:61613?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576=
;protocols=3DSTOMP;useEpoll=3Dtrue
>> </acceptor>
```


./CAF+kE_S5hTff8V6v5dTSKky0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 8

>>
>>
>> what am i doing wrong?
>>
>> Cheers
>> Kunal
>>
>

--00000000000001fb0de0623955774--
From mboxrd@z Thu Jan 1 00:00:00 1970
Return-Path: <users-return-57516-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-ec2-va.apache.org (mxout1-ec2-va.apache.org [3.227.148.255])
by mx-eu-03.ponee.io (Postfix) with ESMTPS id 802123E69C
for <archive-asf-public@cust-asf.ponee.io>; Fri, 4 Oct 2024 01:56:03 +0000 (UTC)
C)
Received: from mail.apache.org (mailgw-he-de.apache.org [116.203.246.181])
(using TLSv1.3 with cipher TLS_AES_256_GCM_SHA384 (256/256 bits))
(No client certificate requested)
by mxout1-ec2-va.apache.org (ASF Mail Server at mxout1-ec2-va.apache.org) with
ESMTPS id C328B469CF
for <archive-asf-public@cust-asf.ponee.io>; Fri, 4 Oct 2024 01:55:43 +0000 (UTC)
C)
Received: (qmail 1987649 invoked by uid 998); 4 Oct 2024 01:55:41 -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 1987623 invoked by uid 116); 4 Oct 2024 01:55:39 -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 ESMTTP; Fri, 04 Oct 2024 01:55:39 +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 ESMTTP id A984A2001C6
for <users@activemq.apache.org>; Fri, 4 Oct 2024 01:55:39 +0000 (UTC)
X-Virus-Scanned: Debian amavisd-new at spamproc1-he-de.apache.org
X-Spam-Flag: NO
X-Spam-Score: 2.057
X-Spam-Level: **
X-Spam-Status: No, score=2.057 tagged_above=-999 required=6.31
tests=[DKIM_SIGNED=0.1, DKIM_VALID=-0.1, DKIM_VALID_AU=-0.1,
DKIM_VALID_EF=-0.1, HTML_MESSAGE=0.2, MANY_SUBDOM=3.099,
NORMAL_HTTP_TO_IP=0.001, NUMERIC_HTTP_ADDR=0.001,
RCVD_IN_DNSWL_BLOCKED=0.001, RCVD_IN_MSPIKE_H2=-1.048,
RCVD_IN_VALIDITY_RPBL_BLOCKED=0.001,
RCVD_IN_VALIDITY_SAFE_BLOCKED=0.001, SPF_PASS=-0.001,
URIBL_BLOCKED=0.001, WEIRD_PORT=0.001] autolearn=disabled
Authentication-Results: spamproc1-he-de.apache.org (amavisd-new);
dkim=pass (1024-bit key) header.d=mechanation.com.au
Received: from mx1-ec2-va.apache.org ([116.203.227.195])
by localhost (spamproc1-he-de.apache.org [116.203.196.100]) (amavisd-new, port
10024)
with ESMTTP id lX-YuSC8o7OF for <users@activemq.apache.org>;
Fri, 4 Oct 2024 01:55:38 +0000 (UTC)

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 9

Received-SPF: Pass (mailfrom) identity=mailfrom; client-ip=209.85.128.177; helo=mail-yw1-f177.google.com; envelope-from=kunal@mechination.com.au; receiver=<UNKNOWN>
Received: from mail-yw1-f177.google.com (mail-yw1-f177.google.com [209.85.128.177])
by mx1-ec2-va.apache.org (ASF Mail Server at mx1-ec2-va.apache.org) with ESMTPS
id 5BB4EC0C42

for <users@activemq.apache.org>; Fri, 4 Oct 2024 01:55:38 +0000 (UTC)
Received: by mail-yw1-f177.google.com with SMTP id 00721157ae682-6e214c3d045sol13319637b3.0

for <users@activemq.apache.org>; Thu, 03 Oct 2024 18:55:38 -0700 (PDT)
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
d=mechination.com.au; s=google; t=1728006932; x=1728611732; darn=activemq.apach
e.org;

h=to:subject:message-id:date:from:in-reply-to:references:mime-version
:from:to:cc:subject:date:message-id:reply-to;
bh=6DqxGUxy8gfTgph9XDCWTivdD6E2P79ObHDYQWEJrws=;
b=fblJnPJF45V5Acp7xnkVLRozJt94SVt8kSSvfUFscv0XEnhBMGC+F+xPnkJq7w2url
4idLzUkGlFpP8u4oTGnV2UL3z6htEFbMqTTell3g7xiq4NpndwXs7w86HZg9Q1h8csHa
7ZcPKe4a13cx8WTauAjJS9WNJG0cqWLEkNiNs=

X-Google-DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
d=le100.net; s=20230601; t=1728006932; x=1728611732;
h=to:subject:message-id:date:from:in-reply-to:references:mime-version
:x-gm-message-state:from:to:cc:subject:date:message-id:reply-to;
bh=6DqxGUxy8gfTgph9XDCWTivdD6E2P79ObHDYQWEJrws=;
b=Dx8U4J5AqdkRkxzlHlwZ8f2OwnMuKIYA5axkvCp+hYrO/2QA8Bi2uXYJ0hkhlqk4RQ
5yYT4nTmsq0vjuiRrfIAtz268WtpRC4DCf4G4CO7SW6PFbZzG89a1MSgbv0BxF1TUh6Z
Uyxs7VpPo2HmUT1nB5iXy9qXQNYugxns9+UiqtectezYcyQp0n2RcOybdNqv0LKTNMTq
kB7FOSHx07s7SspQoCOTxRbo+JnZfM4iEwq7qawPNjnTAbSeeR6S+Kgh6Gu8yh8vA0Lf
lIEg9011lunyJ5B+z7enm10LgBN5CyCVFqwp5tUTx8kIeTTSA3xOwcEB/Qs2a/suXGSBy
ADLw==

X-Gm-Message-State: AOU0YwBfCWjcNe+aRmHwNLakQ4lXrKjuzu7u2Zrjw6UoTlgkj2t3vLp
YK9Y82zui44iTodcntc80H+Ge+Zf3JMOUMKIqtRdiD0eJ9CmDqX7FsyOVgtJdRroROvjCV7D8Tz
g9EkeOqSB89601b20letYW2LogInByR+/AyVCAIUBakkMED3q

X-Google-Smtp-Source: AGHT+IE3w5UvsW1DfIgrlZvzsDcoWuWvi0K7ZzAq1RZFowya3eM+MRu4vKto9+tG+X
olAL4TsdtYwKzVwubaVUzoN8yc=

X-Received: by 2002:a05:690c:7009:b0:6e0:12e:e470 with SMTP id
00721157ae682-6e2c7238be0mr12370367b3.25.1728006931714; Thu, 03 Oct 2024
18:55:31 -0700 (PDT)

MIME-Version: 1.0

References: <CAOOFvV9RpTXU7vuHJ7qeddrfzCr=P=XZEMPTx6qvghAnMGAjug@mail.gmail.com>
<CAF+kE=S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com> <CAF+kE=QPgjc0TTX
o48Ye0yYnAwjusPCjuANg+SDchB9R8HE0sQ@mail.gmail.com>

In-Reply-To: <CAF+kE=QPgjc0TTXo48Ye0yYnAwjusPCjuANg+SDchB9R8HE0sQ@mail.gmail.com>

From: Kunal Rao <kunal@mechination.com.au>

Date: Fri, 4 Oct 2024 09:55:20 +0800

Message-ID: <CAOOFvV_fzb8pdW_y8=8g=XjbdSdEU6g+Xx6mWM-YaQU9S2WCvw@mail.gmail.com>

Subject: Re: Bridging Artemis with classic

To: users@activemq.apache.org

Content-Type: multipart/alternative; boundary="000000000000055c92806239cf752"

--000000000000055c92806239cf752

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

Content-Transfer-Encoding: quoted-printable

Thanks Justin.

I am planning to use Amazon MQ (only supports classic) as a central broker
and Artemis as satellite brokers with the assumption that artemis is a more
supported product and classic is treated as legacy with regards to
development and support.

Firstly, Is my assumption correct?

We are considering three options:

1. Use "classic" everywhere. Amazon MQ can be used as a central broker.
2. Use "artemis" everywhere. benefits of Artemis outweigh "classic" and the

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 10

use of managed service in Amazon MQ.

3. Hybrid approach. Use Amazon MQ centrally (hoping artemis is on their roadmap) and Artemis on all satellite brokers.

I would love to hear your thoughts on this please.

Once again thanks for the prompt response.

Kunal

On Fri, 4 Oct 2024 at 00:51, Justin Bertram <jbertram@apache.org> wrote:

```
> Just to clarify...ActiveMQ Classic doesn't support the Core protocol so
> that is why you can't use a Core bridge to integrate.
>
>
> Justin
>
> On Thu, Oct 3, 2024 at 8:29=E2=80=AFAM Justin Bertram <jbertram@apache.or=
g> wrote:
>
> > Yes. You can bridge messages from Artemis to Classic and vice versa.
> > However, you can't use a Core bridge to do it. Core bridges, as the nam=
e
> > suggests, use the Core protocol. A Core bridge can't use the AMQP
> protocol.
> >
> > I recommend Camel since it's mature, powerful, and ubiquitous. You can
> set
> > up Camel routes on either Artemis or Classic. Here's [1] an example of
> how
> > to do it on Artemis.
> >
> > It's also possible to use the JMS bridge that ships with Artemis [2].
> >
> > Justin
> >
> > [1]
> >
> https://github.com/apache/activemq-artemis-examples/tree/main/examples/fe=
atures/standard/camel
> > [2]
> >
> https://github.com/apache/activemq-artemis-examples/tree/main/examples/fe=
atures/sub-modules/inter-broker-bridge/artemis-jms-bridge
> >
> > On Thu, Oct 3, 2024 at 2:38=E2=80=AFAM Kunal Rao <kunal@mechination.com=
.au>
> wrote:
> >
> >> Hi,
> >>
> >> Is it possible to bridge artemis with classic broker?
> >> I am trying with AMQP protocol.
> >>
> >> I am getting this error
> >>
> >> plbroker-1 | 2024-10-03 07:34:50,270 WARN
> >> [org.apache.activemq.artemis.core.server] AMQ224091: Bridge
> >> BridgeImpl@6a3012f8 [name=3Damqp-bridge,
> queue=3DQueueImpl[name=3Dplbroker.out,
> >> postOffice=3DPostOfficeImpl [server=3DActiveMQServerImpl::name=3D0.0.0=
```

```
./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 11
```

[illegible]

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEb6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 13

> >> Cheers
> >> Kunal
> >>
> >
>

--000000000000055c92806239cf752--

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

Return-Path: <users-return-57517-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 053583E69C

for <archive-asf-public@cust-asf.ponee.io>; Fri, 4 Oct 2024 06:22:36 +0000 (UTC)

C)

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 C7B7564127

for <archive-asf-public@cust-asf.ponee.io>; Fri, 4 Oct 2024 06:22:35 +0000 (UTC)

C)

Received: (qmail 2260028 invoked by uid 998); 4 Oct 2024 06:22:34 -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 2260009 invoked by uid 116); 4 Oct 2024 06:22:33 -0000

Received: from spamproc1-he-fi.apache.org (HELO spamproc1-he-fi.apache.org) (95.217.134.168)

by apache.org (qpsmtpd/0.94) with ESMTP; Fri, 04 Oct 2024 06:22:33 +0000

Authentication-Results: apache.org; auth=none

Received: from localhost (localhost [127.0.0.1])

by spamproc1-he-fi.apache.org (ASF Mail Server at spamproc1-he-fi.apache.org) with ESMTP id 6ECC4C2206

for <users@activemq.apache.org>; Fri, 4 Oct 2024 06:22:33 +0000 (UTC)

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

X-Spam-Flag: NO

X-Spam-Score: 2.548

X-Spam-Level: **

X-Spam-Status: No, score=2.548 tagged_above=-999 required=6.31

tests=[DKIM_SIGNED=0.1, DKIM_VALID=-0.1, DKIM_VALID_AU=-0.1, DKIM_VALID_EF=-0.1, FREEMAIL_ENVFROM_END_DIGIT=0.25, HTML_MESSAGE=0.2, MANY_SUBDOM=3.199, NORMAL_HTTP_TO_IP=0.001, NUMERIC_HTTP_ADDR=0.001, RCVD_IN_MSPIKE_H2=-0.906, RCVD_IN_VALIDITY_RPBL_BLOCKED=0.001, RCVD_IN_VALIDITY_SAFE_BLOCKED=0.001, SPF_PASS=-0.001, URIBL_BLOCKED=0.001, WEIRD_PORT=0.001] autolearn=disabled

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

dkim=pass (2048-bit key) header.d=gmail.com

Received: from mx1-ec2-va.apache.org ([116.203.227.195])

by localhost (spamproc1-he-fi.apache.org [95.217.134.168]) (amavisd-new, port 10024)

with ESMTP id 8HVD4XNDBSZj for <users@activemq.apache.org>;

Fri, 4 Oct 2024 06:22:32 +0000 (UTC)

Received-SPF: Pass (mailfrom) identity=mailfrom; client-ip=209.85.208.182; helo=mail-lj1-f182.google.com; envelope-from=kenliao94@gmail.com; receiver=<UNKNOWN>

Received: from mail-lj1-f182.google.com (mail-lj1-f182.google.com [209.85.208.182])

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEb6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 14

by mx1-ec2-va.apache.org (ASF Mail Server at mx1-ec2-va.apache.org) with ESMTPS
id A6F0DC0C55

for <users@activemq.apache.org>; Fri, 4 Oct 2024 06:22:31 +0000 (UTC)
Received: by mail-ljl-f182.google.com with SMTP id 38308e7fff4ca-2fad100dd9fso27101431f
a.3

for <users@activemq.apache.org>; Thu, 03 Oct 2024 23:22:31 -0700 (PDT)
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
d=gmail.com; s=20230601; t=1728022950; x=1728627750; darn=activemq.apache.org;
h=to:subject:message-id:date:from:in-reply-to:references:mime-version
:from:to:cc:subject:date:message-id:reply-to;
bh=2FwVX8BRyRal9NJSxg4YZCapjPHqmD2hsWyEbtAmTvI=;
b=i3j2myl10opAvM3XcY4DPr4f+Ueci2UC0NR6iNW5xMcITD0gOEcd1dIxtc4RkqAxv20
XY2sB4Q4Qtrib9N82TZK6OrNnVmJGRs0n0venR1uZGI+c0e94CnbU1OKNFdo7HqXDJh+
Tu4sf5X6gF2H0WdpncB55W44uW4bZeRvcnPUBiUzqprzsXkBbTvAMEsXLIzmgmnrJmrF
b6YTnpYBOKZiF78suWMw4c9wzCMviTm2EkNu0F9LF83akSgC1hBLmT3tePSOE15UBZRo
+eylVNVViBlhsnaqvndJtJ6oGjVGSfVvZaPjpex3YgliXVUw38SH5W/gBYcWCVP7+BWp
QFOg==

X-Google-DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
d=1e100.net; s=20230601; t=1728022950; x=1728627750;
h=to:subject:message-id:date:from:in-reply-to:references:mime-version
:x-gm-message-state:from:to:cc:subject:date:message-id:reply-to;
bh=2FwVX8BRyRal9NJSxg4YZCapjPHqmD2hsWyEbtAmTvI=;
b=iWY8jxNqSxJEfcjde0rTfgPsodaS4PcVuZGwtEgqslRYPdvYUcKD2nAn89W7sd97E/
M7GSbBBQLYKpuZmjNaOw7qtHB+UL9EcYFagkS/F1OW6lGVHgTwFF3hmciPqgzOsVxWer
jCRtE54fKhmtqwl6pHscIZD5IiHBVv0k5EdrQBPG4boWWf4/Vc102AV5qcG/q9DT6pvF
L283JWeEl4Q8k1K721y91lkAGTP+riHftR069IPgbIO04qln9Pg9o5MDXR9kMrK3EX52
Qife9azkoumrpkQvZqYGgbPRObqrahczJOCsSeSGWUxsg+W16gsc5HnBKhm5034Y26/r
8ENg==

X-Gm-Message-State: AOUJu0YzGqMc4ls5C0MaCUe3sCndlfadGZ+rQskW8Y65cIw0VqMilnt7t
fIVkO/suMWAQvTnpwAlMp5eWR7q5Agw50YzACrIZ+eEXGIjfrZwpAqJmEfCfWgG52oN/eKLj4r+
TARuAscDmRKqHkflF9cwoDliuWu2wbFhDumE=

X-Google-Smtp-Source: AGHT+IGtFQkyFXCrLAdJt/EgGsQvL/eIXFgPDaGEN6gWARTEWjVMGJ22FCmUh4d9Z
rvrVN3jn+p5tvMrHXXbAA3yGYE=

X-Received: by 2002:a2e:e01:0:b0:2fa:cdac:8732 with SMTP id
38308e7fff4ca-2faf3d70720mr8953431fa.30.1728022949518; Thu, 03 Oct 2024
23:22:29 -0700 (PDT)

MIME-Version: 1.0

References: <CAOOFvV9RpTXU7vuHJ7qeddrfzCr=P=XZEMPTx6qvghAnMGAjug@mail.gmail.com>
<CAF+kE=S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEb6g@mail.gmail.com>
<CAF+kE=QPgjc0TTXo48Ye0yYnAwjusPCjuAng+SDchB9R8HE0sQ@mail.gmail.com> <CAOOFvV_fzb8pdW_
y8=8g=XjbdSdEU6g+Xx6mWM-YaQU9S2WCvw@mail.gmail.com>

In-Reply-To: <CAOOFvV_fzb8pdW_y8=8g=XjbdSdEU6g+Xx6mWM-YaQU9S2WCvw@mail.gmail.com>

From: Ken Liao <kenliao94@gmail.com>

Date: Thu, 3 Oct 2024 23:22:17 -0700

Message-ID: <CA+i58o0ZAaqgHKMQqN_KRk5ZgtX3EDuH5Ec_vGdSln_LQTHVRA@mail.gmail.com>

Subject: Re: Bridging Artemis with classic

To: users@activemq.apache.org

Content-Type: multipart/alternative; boundary="000000000000011eae20623a0b287"

--000000000000011eae20623a0b287

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

Content-Transfer-Encoding: quoted-printable

Hi Kunal,

What kind of workload is your broker cluster designed for? I don't think there is an easy answer here as these two brokers have different sets of features implemented. It really depends on your requirements on supported features and performance. For instance, if your application requires JMS 2.0, then Artemis provides full support and ActiveMQ only provides partial support.

That being said, I believe there is still a community of active

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 15

contributors for ActiveMQ Classic out there adding and planning to add new features. You can browse its Jira tickets
<<https://issues.apache.org/jira/projects/AMQ/issues/AMQ-9590?filter=3Dallis=sues>>
to get a sense of what activities are happening.

Thanks,
Ken

On Thu, Oct 3, 2024 at 6:56=E2=80=AFPM Kunal Rao <kunal@mechination.com.au> wrote:

> Thanks Justin.
> I am planning to use Amazon MQ (only supports classic) as a central broker
> and Artemis as satellite brokers with the assumption that artemis is a more
> supported product and classic is treated as legacy with regards to
> development and support.
> Firstly, Is my assumption correct?
>
> We are considering three options:
> 1. Use "classic" everywhere. Amazon MQ can be used as a central broker.
> 2. Use "artemis" everywhere. benefits of Artemis outweigh "classic" and the
> use of managed service in Amazon MQ.
> 3. Hybrid approach. Use Amazon MQ centrally (hoping artemis is on their
> roadmap) and Artemis on all satellite brokers.
>
> I would love to hear your thoughts on this please.
>
> Once again thanks for the prompt response.
>
> Kunal

> On Fri, 4 Oct 2024 at 00:51, Justin Bertram <jbertram@apache.org> wrote:
>
> > Just to clarify...ActiveMQ Classic doesn't support the Core protocol so
> > that is why you can't use a Core bridge to integrate.
> >
> >
> > Justin
> >
> > On Thu, Oct 3, 2024 at 8:29=E2=80=AFAM Justin Bertram <jbertram@apache.org>
> > wrote:
> >
> > > Yes. You can bridge messages from Artemis to Classic and vice versa.
> > > However, you can't use a Core bridge to do it. Core bridges, as the
> > > name
> > > suggests, use the Core protocol. A Core bridge can't use the AMQP
> > > protocol.
> > >
> > > I recommend Camel since it's mature, powerful, and ubiquitous. You can
> > > set
> > > up Camel routes on either Artemis or Classic. Here's [1] an example of
> > > how
> > > to do it on Artemis.
> > >
> > > It's also possible to use the JMS bridge that ships with Artemis [2].
> > >

```
./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 16
```

```
> >
> > > Justin
> > >
> > > [1]
> > >
> >
> https://github.com/apache/activemq-artemis-examples/tree/main/examples/features/standard/camel
> > > [2]
> > >
> https://github.com/apache/activemq-artemis-examples/tree/main/examples/features/sub-modules/inter-broker-bridge/artemis-jms-bridge
> > >
> > > On Thu, Oct 3, 2024 at 2:38=E2=80=AFAM Kunal Rao <kunal@mechination.com.au>
> > wrote:
> > >
> > > Hi,
> > >
> > > Is it possible to bridge artemis with classic broker?
> > > I am trying with AMQP protocol.
> > >
> > > I am getting this error
> > >
> > > plbroker-1 | 2024-10-03 07:34:50,270 WARN
> > > [org.apache.activemq.artemis.core.server] AMQ224091: Bridge
> > > BridgeImpl@6a3012f8 [name=3Damqp-bridge,
> > > queue=3DQueueImpl[name=3Dplbroker.out,
> > > postOffice=3DPostOfficeImpl [server=3DActiveMQServerImpl::name=3D0.0=.0.0],
> > > temp=3Dfalse]@7af74850 targetConnector=3DServerLocatorImpl
> > > (identity=3DBridge
> > > amqp-bridge)
> > > [initialConnectors=3D[TransportConfiguration(name=3Dactivemq-classic=
-ampq,
> > >
> > >
> >
> factory=3Dorg.apache.activemq.artemis.core.remoting.impl.netty.NettyConnectorFactory)?port=3D5672&host=3Dcentralbroker&protocols=3DAMQP],
> > > discoveryGroupConfiguration=3Dnull]] is unable to connect to
> destination.
> > > Retrying
> > > centralbroker-1 | WARN | Connection attempt from non AMQP v1.0
> client.
> > > ARTEMIS,0
> > > centralbroker-1 | WARN | Transport Connection to: tcp://
> > > 172.19.0.3:33778
> > > failed: Connection from client using unsupported AMQP attempted
> > >
> > > broker.xml
> > > =3D=3D=3D=3D=3D=3D=3D=3D=3D
> > >
> > > <acceptors>
> > >
> > > <acceptor name=3D"artemis">
> > > tcp://
> > >
> > >
> >
> 0.0.0.0:61616?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;=
amqpMinLargeMessageSize=3D102400;protocols=3DCORE,AMQP,STOMP,HORNETQ,MQTT,0
```


./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 17

```
PENWIRE;useEpoll=3Dtrue;amqpCredits=3D1000;amqpLowCredits=3D300;amqpDuplica=
teDetection=3Dtrue;supportAdvisory=3Dfalse;suppressInternalManagementObject=
s=3Dfalse
> > >> </acceptor>
> > >>
> > >> <!-- AMQP Acceptor. Listens on default AMQP port for AMQP traffic.-->
>
> > >> <acceptor name=3D"amqp">
> > >> tcp://
> > >>
> > >>
> > >>
> 0.0.0.0:5672?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;p=
rotocols=3DAMQP;useEpoll=3Dtrue;amqpCredits=3D1000;amqpLowCredits=3D300;amq=
pMinLargeMessageSize=3D102400;amqpDuplicateDetection=3Dtrue;handshake-timeo=
ut=3D0
> > >> </acceptor>
> > >>
> > >> <!-- STOMP Acceptor. -->
> > >> <acceptor name=3D"stomp">
> > >> tcp://
> > >>
> > >>
> > >>
> 0.0.0.0:61613?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;=
protocols=3DSTOMP;useEpoll=3Dtrue
> > >> </acceptor>
> > >>
> > >> <!-- HornetQ Compatibility Acceptor. Enables HornetQ Core and STOMP
> for
> > >> legacy HornetQ
> > >> clients. -->
> > >> <acceptor name=3D"hornetq">
> > >> tcp://
> > >>
> > >>
> > >>
> 0.0.0.0:5445?anycastPrefix=3Djms.queue.;multicastPrefix=3Djms.topic.;prot=
ocols=3DHORNETQ,STOMP;useEpoll=3Dtrue
> > >> </acceptor>
> > >>
> > >> <!-- MQTT Acceptor -->
> > >> <acceptor name=3D"mqtt">
> > >> tcp://
> > >>
> > >>
> > >>
> 0.0.0.0:1883?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;p=
rotocols=3DMQTT;useEpoll=3Dtrue
> > >> </acceptor>
> > >>
> > >> </acceptors>
> > >>
> > >> <bridges>
> > >> <bridge name=3D"amqp-bridge">
> > >> <queue-name>plbroker.out</queue-name>
> > >> <forwarding-address>centralbroker.in</forwarding-address>
> > >> <user>admin</user>
> > >> <password>admin</password>
> > >> <static-connectors>
> > >> <connector-ref>activemq-classic-amqp</connector-ref>
> > >> </static-connectors>
> > >> </bridge>
```

./CAF+kE_S5hTff8V6v5dTSKky0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 18

```
> > >> </bridges>
> > >>
> > >>
> > >> <connectors>
> > >> <connector name=3D"activemq-classic-amqp">
> > >> tcp://centralbroker:5672?protocols=3DAMQP</connector>
> > >> </connectors>
> > >>
> > >>
> > >> activemq.xml
> > >> =3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D
> > >>
> > >> <transportConnectors>
> > >> <!-- DOS protection, limit concurrent connections to 1000 and frame
> size
> > >> to
> > >> 100MB -->
> > >> <transportConnector name=3D"openwire"
> > >> uri=3D"tcp://0.0.0.0:61616?maximumConnections=3D1000&amp;
> > >> wireFormat.maxFrameSize=3D104857600000" />
> > >> <transportConnector name=3D"amqp"
> > >> uri=3D"amqp://0.0.0.0:5672?maximumConnections=3D1000&amp;
> > >> wireFormat.maxFrameSize=3D104857600" />
> > >> <transportConnector name=3D"stomp"
> > >> uri=3D"stomp://0.0.0.0:61613?maximumConnections=3D1000&amp;
> > >> wireFormat.maxFrameSize=3D104857600" />
> > >> <transportConnector name=3D"mqtt"
> > >> uri=3D"mqtt://0.0.0.0:1883?maximumConnections=3D1000&amp;
> > >> wireFormat.maxFrameSize=3D104857600" />
> > >> <transportConnector name=3D"ws"
> > >> uri=3D"ws://0.0.0.0:61614?maximumConnections=3D1000&amp;
> > >> wireFormat.maxFrameSize=3D104857600" />
> > >> </transportConnectors>
> > >>
> > >>
> > >> what am i doing wrong?
> > >>
> > >> Cheers
> > >> Kunal
> > >>
> > >
> >
>
```

--000000000000011eae20623a0b287--

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

Return-Path: <users-return-57519-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 612663E80C

for <archive-asf-public@cust-asf.ponee.io>; Sat, 5 Oct 2024 04:07:37 +0000 (UTC)

C)
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 ES

MTPTS id C42A4626BE
for <archive-asf-public@cust-asf.ponee.io>; Sat, 5 Oct 2024 04:07:36 +0000 (UTC)

C)

Received: (qmail 4112071 invoked by uid 998); 5 Oct 2024 04:07:35 -0000

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 19

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 4112051 invoked by uid 116); 5 Oct 2024 04:07:35 -0000
Received: from ec2-52-204-25-47.compute-1.amazonaws.com (HELO mailrelay1-ec2-va.apache.org) (52.204.25.47)
by apache.org (qpsmtpd/0.94) with ESMTP; Sat, 05 Oct 2024 04:07:35 +0000
Authentication-Results: apache.org; auth=none
Received: from mail-ed1-f54.google.com (mail-ed1-f54.google.com [209.85.208.54])
by mailrelay1-ec2-va.apache.org (ASF Mail Server at mailrelay1-ec2-va.apache.org) with ESMTPSA id CABAB4006F
for <users@activemq.apache.org>; Sat, 5 Oct 2024 04:07:31 +0000 (UTC)
Received: by mail-ed1-f54.google.com with SMTP id 4fb4d7f45d1cf-5c88e4a7c53so3033969a12.0
for <users@activemq.apache.org>; Fri, 04 Oct 2024 21:07:31 -0700 (PDT)
X-Gm-Message-State: AOJu0YzXJ5VN3XSQiCwid6pUdTq/SCNB7gMfYixivBMgLSH101FQwbFW
bn2QiOhjTejj5U/OZb+2kYY9bio0drTfpjvBu2UC3T/dsynjk6cplwlr+3BcsOHoesHRFnNV7Ns
CzHzLuiTZs264xoRZkmYZx0xSmMmUNvMBe2eVPw==
X-Google-Smtp-Source: AGHT+IFvw9QkLFPvDL5E3q1JfK/7nQY34KXIImzw82KLGcxqvOnGhgsWrptckDie0
xEdF+fHSNzpMPF8bNkmkzg/E3M=
X-Received: by 2002:a05:6402:358f:b0:5c8:77a5:d480 with SMTP id
4fb4d7f45d1cf-5c8d2cff6elmr2928440a12.1.1728101250940; Fri, 04 Oct 2024
21:07:30 -0700 (PDT)
MIME-Version: 1.0
References: <CAOOFvV9RpTXU7vuHJ7qeddrfzCr=P=XZEMPTx6qvghAnMGAjug@mail.gmail.com>
<CAF+kE=S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com>
<CAF+kE=QPgjc0TTXo48Ye0yYnAwjusPCjuANg+SDchB9R8HE0sQ@mail.gmail.com> <CAOOFvV_fzb8pdW_y8=8g=XjbdSdEU6g+Xx6mWM-YaQU9S2WCvw@mail.gmail.com>
In-Reply-To: <CAOOFvV_fzb8pdW_y8=8g=XjbdSdEU6g+Xx6mWM-YaQU9S2WCvw@mail.gmail.com>
From: Justin Bertram <jbertram@apache.org>
Date: Fri, 4 Oct 2024 23:07:04 -0500
X-Gmail-Original-Message-ID: <CAF+kE=Qn3jBr_hBhr-18aKKc8xoE+YtaMBDVJyQ+6hqRHa1+BQ@mail.gmail.com>
Message-ID: <CAF+kE=Qn3jBr_hBhr-18aKKc8xoE+YtaMBDVJyQ+6hqRHa1+BQ@mail.gmail.com>
Subject: Re: Bridging Artemis with classic
To: users@activemq.apache.org
Content-Type: multipart/alternative; boundary="00000000000032e0c00623b2ed97"

--00000000000032e0c00623b2ed97
Content-Type: text/plain; charset="UTF-8"
Content-Transfer-Encoding: quoted-printable

Development on Classic has slowed considerably since focus has shifted to Artemis. Most of the folks who've contributed the most code to Classic historically have either left the project or moved over to Artemis. The Artemis repo has almost 100 more total committers and almost as many commits as the Classic repo despite being roughly half its age. That said, Classic has a dedicated following of folks who are either unable to migrate (e.g. due to constraints in a legacy environment) or simply don't need to. For these folks there are regular releases which mainly consist of dependency upgrades (e.g. to deal with security issues) and bug fixes.

Ken mentioned that both Artemis and Classic have different feature sets, and while that's technically true there is, of course, a tremendous amount of overlap. Pretty much every feature in Classic now has an exact or functionally equivalent feature in Artemis.

You'd need to get in touch with Amazon to get more details about what might

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 20

or might not be on their roadmap. Generally speaking, we have no visibility into that as Apache community members.

Justin

On Thu, Oct 3, 2024 at 8:56=E2=80=AFPM Kunal Rao <kunal@mechination.com.au> wrote:

> Thanks Justin.
> I am planning to use Amazon MQ (only supports classic) as a central broker
> and Artemis as satellite brokers with the assumption that artemis is a more
> supported product and classic is treated as legacy with regards to
> development and support.
> Firstly, Is my assumption correct?
>
> We are considering three options:
> 1. Use "classic" everywhere. Amazon MQ can be used as a central broker.
> 2. Use "artemis" everywhere. benefits of Artemis outweigh "classic" and the
> use of managed service in Amazon MQ.
> 3. Hybrid approach. Use Amazon MQ centrally (hoping artemis is on their
> roadmap) and Artemis on all satellite brokers.
>
> I would love to hear your thoughts on this please.
>
> Once again thanks for the prompt response.
>
> Kunal
>
> On Fri, 4 Oct 2024 at 00:51, Justin Bertram <jbertram@apache.org> wrote:
>
> > Just to clarify...ActiveMQ Classic doesn't support the Core protocol so
> > that is why you can't use a Core bridge to integrate.
> >
> >
> > Justin
> >
> > On Thu, Oct 3, 2024 at 8:29=E2=80=AFAM Justin Bertram <jbertram@apache.org>
> wrote:
> >
> > > Yes. You can bridge messages from Artemis to Classic and vice versa.
> > > However, you can't use a Core bridge to do it. Core bridges, as the
> > name
> > > suggests, use the Core protocol. A Core bridge can't use the AMQP
> > protocol.
> > >
> > > I recommend Camel since it's mature, powerful, and ubiquitous. You can
> > set
> > > up Camel routes on either Artemis or Classic. Here's [1] an example of
> > how
> > > to do it on Artemis.
> > >
> > > It's also possible to use the JMS bridge that ships with Artemis [2].
> > >
> > >
> > > Justin
> > >

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 21

```
> > > [1]
> > >
> >
> https://github.com/apache/activemq-artemis-examples/tree/main/examples/fe=
atures/standard/camel
> > > [2]
> > >
> >
> https://github.com/apache/activemq-artemis-examples/tree/main/examples/fe=
atures/sub-modules/inter-broker-bridge/artemis-jms-bridge
> > >
> > > On Thu, Oct 3, 2024 at 2:38=E2=80=AFAM Kunal Rao <kunal@mechination.c=
om.au>
> > wrote:
> > >
> > >> Hi,
> > >>
> > >> Is it possible to bridge artemis with classic broker?
> > >> I am trying with AMQP protocol.
> > >>
> > >> I am getting this error
> > >>
> > >> plbroker-1 | 2024-10-03 07:34:50,270 WARN
> > >> [org.apache.activemq.artemis.core.server] AMQ224091: Bridge
> > >> BridgeImpl@6a3012f8 [name=3Damqp-bridge,
> > >> queue=3DQueueImpl[name=3Dplbroker.out,
> > >> postOffice=3DPostOfficeImpl [server=3DActiveMQServerImpl::name=3D0.0=
.0.0],
> > >> temp=3Dfalse]@7af74850 targetConnector=3DServerLocatorImpl
> > >> (identity=3DBridge
> > >> amqp-bridge)
> > >> [initialConnectors=3D[TransportConfiguration(name=3Dactivemq-classic=
-amqp,
> > >>
> > >>
> > >>
> > >> factory=3Dorg.apache.activemq-artemis-core-remoting-impl-netty-NettyConne=
ctorFactory)?port=3D5672&host=3Dcentralbroker&protocols=3DAMQP],
> > >> discoveryGroupConfiguration=3Dnull]] is unable to connect to
> > >> destination.
> > >> Retrying
> > >> centralbroker-1 | WARN | Connection attempt from non AMQP v1.0
> > >> client.
> > >> ARTEMIS,0
> > >> centralbroker-1 | WARN | Transport Connection to: tcp://
> > >> 172.19.0.3:33778
> > >> failed: Connection from client using unsupported AMQP attempted
> > >>
> > >> broker.xml
> > >> =3D=3D=3D=3D=3D=3D=3D=3D=3D
> > >>
> > >> <acceptors>
> > >>
> > >> <acceptor name=3D"artemis">
> > >> tcp://
> > >>
> > >>
> > >>
> 0.0.0.0:61616?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;=
amqpMinLargeMessageSize=3D102400;protocols=3DCORE,AMQP,STOMP,HORNETQ,MQTT,O=
PENWIRE;useEpoll=3Dtrue;amqpCredits=3D1000;amqpLowCredits=3D300;amqpDuplica=
teDetection=3Dtrue;supportAdvisory=3Dfalse;suppressInternalManagementObject=
s=3Dfalse
```

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 22

```
> > >> </acceptor>
> > >>
> > >> <!-- AMQP Acceptor. Listens on default AMQP port for AMQP traffic.-->
>
> > >> <acceptor name=3D"amqp">
> > >> tcp://
> > >>
> > >>
> >
> 0.0.0.0:5672?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;p=
rotocols=3DAMQP;useEpoll=3Dtrue;amqpCredits=3D1000;amqpLowCredits=3D300;amq=
pMinLargeMessageSize=3D102400;amqpDuplicateDetection=3Dtrue;handshake-timeo=
ut=3D0
> > >> </acceptor>
> > >>
> > >> <!-- STOMP Acceptor. -->
> > >> <acceptor name=3D"stomp">
> > >> tcp://
> > >>
> > >>
> >
> 0.0.0.0:61613?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;=
protocols=3DSTOMP;useEpoll=3Dtrue
> > >> </acceptor>
> > >>
> > >> <!-- HornetQ Compatibility Acceptor. Enables HornetQ Core and STOMP
> for
> > >> legacy HornetQ
> > >> clients. -->
> > >> <acceptor name=3D"hornetq">
> > >> tcp://
> > >>
> > >>
> >
> 0.0.0.0:5445?anycastPrefix=3Djms.queue.;multicastPrefix=3Djms.topic.;prot=
ocols=3DHORNETQ,STOMP;useEpoll=3Dtrue
> > >> </acceptor>
> > >>
> > >> <!-- MQTT Acceptor -->
> > >> <acceptor name=3D"mqtt">
> > >> tcp://
> > >>
> > >>
> >
> 0.0.0.0:1883?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;p=
rotocols=3DMQTT;useEpoll=3Dtrue
> > >> </acceptor>
> > >>
> > >> </acceptors>
> > >>
> > >> <bridges>
> > >> <bridge name=3D"amqp-bridge">
> > >> <queue-name>plbroker.out</queue-name>
> > >> <forwarding-address>centralbroker.in</forwarding-address>
> > >> <user>admin</user>
> > >> <password>admin</password>
> > >> <static-connectors>
> > >> <connector-ref>activemq-classic-amqp</connector-ref>
> > >> </static-connectors>
> > >> </bridge>
> > >> </bridges>
> > >>
> > >>
```

```
./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024                23
```

```
> > >> <connectors>
> > >> <connector name=3D"activemq-classic-amqp">
> > >> tcp://centralbroker:5672?protocols=3DAMQP</connector>
> > >> </connectors>
> > >>
> > >>
> > >> activemq.xml
> > >> =3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D
> > >>
> > >> <transportConnectors>
> > >> <!-- DOS protection, limit concurrent connections to 1000 and frame
> size
> > >> to
> > >> 100MB -->
> > >> <transportConnector name=3D"openwire"
> > >> uri=3D"tcp://0.0.0.0:61616?maximumConnections=3D1000&amp;
> > >> wireFormat.maxFrameSize=3D104857600000" />
> > >> <transportConnector name=3D"amqp"
> > >> uri=3D"amqp://0.0.0.0:5672?maximumConnections=3D1000&amp;
> > >> wireFormat.maxFrameSize=3D104857600" />
> > >> <transportConnector name=3D"stomp"
> > >> uri=3D"stomp://0.0.0.0:61613?maximumConnections=3D1000&amp;
> > >> wireFormat.maxFrameSize=3D104857600" />
> > >> <transportConnector name=3D"mqtt"
> > >> uri=3D"mqtt://0.0.0.0:1883?maximumConnections=3D1000&amp;
> > >> wireFormat.maxFrameSize=3D104857600" />
> > >> <transportConnector name=3D"ws"
> > >> uri=3D"ws://0.0.0.0:61614?maximumConnections=3D1000&amp;
> > >> wireFormat.maxFrameSize=3D104857600" />
> > >> </transportConnectors>
> > >>
> > >>
> > >> what am i doing wrong?
> > >>
> > >> Cheers
> > >> Kunal
> > >>
> > >
>
```

```
--000000000000000000000000c00623b2ed97--  
From mboxrd@z Thu Jan  1 00:00:00 1970  
Return-Path: <users-return-57524-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-ec2-va.apache.org (mxout1-ec2-va.apache.org [3.227.148.255])  
    by mx-eu-03.ponee.io (Postfix) with ESMTPS id 0E0623E697  
    for <archive-asf-public@cust-asf.ponee.io>; Mon,  7 Oct 2024 17:39:42 +0000 (UTC)  
Received: from mail.apache.org (mailgw-he-de.apache.org [116.203.246.181])  
    (using TLSv1.3 with cipher TLS_AES_256_GCM_SHA384 (256/256 bits))  
    (No client certificate requested)  
    by mxout1-ec2-va.apache.org (ASF Mail Server at mxout1-ec2-va.apache.org) with  
ESMTPS id E2A9745867  
    for <archive-asf-public@cust-asf.ponee.io>; Mon,  7 Oct 2024 17:39:40 +0000 (UTC)  
Received: (qmail 3584615 invoked by uid 998); 7 Oct 2024 17:39:39 -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>
```

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 24

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 3584569 invoked by uid 116); 7 Oct 2024 17:39:38 -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; Mon, 07 Oct 2024 17:39:38 +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 0BE832000B3
for <users@activemq.apache.org>; Mon, 7 Oct 2024 17:39:38 +0000 (UTC)
X-Virus-Scanned: Debian amavisd-new at spamproc1-he-de.apache.org
X-Spam-Flag: NO
X-Spam-Score: -0.195
X-Spam-Level:
X-Spam-Status: No, score=-0.195 tagged_above=-999 required=6.31
tests=[DKIM_SIGNED=0.1, DKIM_VALID=-0.1, DKIM_VALID_AU=-0.1, DKIM_VALID_EF=-0.1, RCVD_IN_DNSWL_BLOCKED=0.001, RCVD_IN_MSPIKE_H3=0.001, RCVD_IN_MSPIKE_WL=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 (2048-bit key) header.d=gmail.com
Received: from mx1-ec2-va.apache.org ([116.203.227.195])
by localhost (spamproc1-he-de.apache.org [116.203.196.100]) (amavisd-new, port 10024)
with ESMTP id g5YhHbnriS_f for <users@activemq.apache.org>; Mon, 7 Oct 2024 17:39:37 +0000 (UTC)
Received-SPF: Pass (mailfrom) identity=mailfrom; client-ip=209.85.160.53; helo=mail-oa1-f53.google.com; envelope-from=mattrpav@gmail.com; receiver=<UNKNOWN>
Received: from mail-oa1-f53.google.com (mail-oa1-f53.google.com [209.85.160.53])
by mx1-ec2-va.apache.org (ASF Mail Server at mx1-ec2-va.apache.org) with ESMTPS id DF2C3C0C5D
for <users@activemq.apache.org>; Mon, 7 Oct 2024 17:39:36 +0000 (UTC)
Received: by mail-oa1-f53.google.com with SMTP id 586e51a60fabf-27elf62e30eso2585895fac.0
for <users@activemq.apache.org>; Mon, 07 Oct 2024 10:39:36 -0700 (PDT)
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed; d=gmail.com; s=20230601; t=1728322776; x=1728927576; darn=activemq.apache.org; h=message-id:in-reply-to:to:references:date:subject:mime-version:content-transfer-encoding:from:from:to:cc:subject:date:message-id:reply-to; bh=B4Y2yXVrzlU5/WcidbZ/aiadzTK/AyfulJNXAnUA9Dg=; b=JgkqPX+2yHu2Yv9wTkCxrnzDundtTCZar5XuBHUgrx6cMfGe4jxpGjCsUSPKESxA1xyPhNPo5lLF8hqLByABFZtpkMJl3vtbk8zulT6pId4D2gBjJ0vMfK7xoIkptBfjmZcE+4DYSFLKfNQ5rt54AFpSldSxjFj09lrola2fSRReE3YeydOGVsAgLq6FumFzru8YUQJgBUL4GIKqJdJps5h9MW0WfFa2sp12m7fDc5JgZoa3sUDn14coSjqhgY9OmUCIjVtARrnyHnJhtixS6jiQiylnwhKsagFo0sqImjco3cI7Eg1COq7S/ZDeV7vLOysJBaQUkOSR5dSf8GrEFKA==
X-Google-DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed; d=1e100.net; s=20230601; t=1728322776; x=1728927576; h=message-id:in-reply-to:to:references:date:subject:mime-version:content-transfer-encoding:from:x-gm-message-state:from:to:cc:subject:date:message-id:reply-to; bh=B4Y2yXVrzlU5/WcidbZ/aiadzTK/AyfulJNXAnUA9Dg=; b=CVoRklh01PVSIMT3D/ktYyM6R004sfJDA2Z6Pr+5Ckiqcu49/JcWtvpTcNDemlCDCN72eKuvZc2FypQ7kHfmXov5GCvjJjEQsm8G78v2cbaMTqn4t1tJrprN8HsBs1tw57qY/otB3h77oDB32/4zUp6xCZaKMhs8Uzcl7t6y/4dHbrRn893ezELiDXaaZTqX6MowOpIKabk1JaA51/F56dCiNg0WF1W6jK1Rp9qZGiZRqE6IEXSxqec4ZY1mZiZ+luqGV2NEhuD04LDraslpWHsDf6mJ5k/elwffjqgddpAMlayt3uAMszRM56QGB4tUiynQDhteXxEoAD/EG/

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 25

ZitQ==
X-Gm-Message-State: AOJu0YyqIC4Lr4aFi5Fkljv2NaB5NM8yjGryyNz+s3FIeB/nIAd6YQvr
xgOro/a+TbSloKPJjpY2uTGJXiVX03w2UHBv4kfGAWMAkDuWAKM86D8QTg==
X-Google-Smtp-Source: AGHT+IE+QeMvy898WcLlqXkptcZ9fN9okLs/ZrLT3jDcxMjUhpA+IxAZ1L0vm5cHp
8reDCK8T4wn4A==
X-Received: by 2002:a05:6870:d182:b0:259:8858:a330 with SMTP id 586e51a60fabf-28816e2e7
82mr219080fac.22.1728322775917;
Mon, 07 Oct 2024 10:39:35 -0700 (PDT)
Received: from smtpclient.apple (108-85-129-236.lightspeed.austtx.sbcglobal.net. [108.8
5.129.236])
by smtp.gmail.com with ESMTPSA id 586e51a60fabf-287d71964aesm2331231fac.31.2024
.10.07.10.39.34
for <users@activemq.apache.org>
(version=TLS1_2 cipher=ECDHE-ECDSA-AES128-GCM-SHA256 bits=128/128);
Mon, 07 Oct 2024 10:39:35 -0700 (PDT)
From: Matt Pavlovich <mattpav@gmail.com>
Content-Type: text/plain;
charset=utf-8
Content-Transfer-Encoding: quoted-printable
Mime-Version: 1.0 (Mac OS X Mail 16.0 \ (3776.700.51\))
Subject: Re: Bridging Artemis with classic
Date: Mon, 7 Oct 2024 12:39:24 -0500
References: <CA0OFvV9RpTXU7vuHJ7qeddrfzCr=P=XZEMPTx6qvghAnMGAjug@mail.gmail.com>
<CAF+kE=S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com>
<CAF+kE=QPgjc0TTXo48Ye0yYnAwjusPCjuANg+SDchB9R8HE0sQ@mail.gmail.com>
<CA0OFvV_fzb8pdW_y8=8g=XjbdSdEU6g+Xx6mWM-YaQU9S2WCvw@mail.gmail.com>
<CAF+kE=Qn3jBr_hBhr-18aKKc8xoE+YtaMBDVJyQ+6hqRHa1+BQ@mail.gmail.com>
To: "users@activemq.apache.org" <users@activemq.apache.org>
In-Reply-To: <CAF+kE=Qn3jBr_hBhr-18aKKc8xoE+YtaMBDVJyQ+6hqRHa1+BQ@mail.gmail.com>
Message-Id: <49A52E01-8487-453C-AFDE-85AEDA2760A1@gmail.com>
X-Mailer: Apple Mail (2.3776.700.51)

Hi Kunal-

I expect you=E2=80=99ll get a wide range of responses here =3D). =
ActiveMQ has two brokers, and they do similar things but it essentially =
comes down to who is the best fit for supporting your organizations=E2=80=99=
ActiveMQ infrastructure?

I take exception to Justin=E2=80=99s comments here =E2=80=94 ActiveMQ =
Classic has a fresh round of modernized releases that are more than =
dependency updates. There is a healthy list of improvements for =
observability, extensibility, and improvements for support of =
multi-tenant message flows. Plans are being made for ActiveMQ Classic =
7.x, as well as an approach for applying modernization without requiring =
fork-lift upgrade.

I=E2=80=99d also put an asterisk on the notion that recent commits are a =
reliable indicator of future community engagement. ActiveMQ Classic is =
very stable, processes billions and billions of messages per day and =
perhaps doesn=E2=80=99t need as many fixes?

Thanks,
Matt Pavlovich

> On Oct 4, 2024, at 11:07=E2=80=AFPM, Justin Bertram =
<jbertram@apache.org> wrote:
>=20
> Development on Classic has slowed considerably since focus has shifted =
to
> Artemis. Most of the folks who've contributed the most code to Classic
> historically have either left the project or moved over to Artemis. =
The

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 26

> Artemis repo has almost 100 more total committers and almost as many
> commits as the Classic repo despite being roughly half its age. That =
said,
> Classic has a dedicated following of folks who are either unable to =
migrate
> (e.g. due to constraints in a legacy environment) or simply don't need =
to.
> For these folks there are regular releases which mainly consist of
> dependency upgrades (e.g. to deal with security issues) and bug fixes.
>=20
> Ken mentioned that both Artemis and Classic have different feature =
sets,
> and while that's technically true there is, of course, a tremendous =
amount
> of overlap. Pretty much every feature in Classic now has an exact or
> functionally equivalent feature in Artemis.
>=20
> You'd need to get in touch with Amazon to get more details about what =
might
> or might not be on their roadmap. Generally speaking, we have no =
visibility
> into that as Apache community members.
>=20
>=20
> Justin
>=20
> On Thu, Oct 3, 2024 at 8:56=E2=80=AFPM Kunal Rao =
<kunal@mechination.com.au> wrote:
>=20
>> Thanks Justin.
>> I am planning to use Amazon MQ (only supports classic) as a central =
broker
>> and Artemis as satellite brokers with the assumption that artemis is =
a more
>> supported product and classic is treated as legacy with regards to
>> development and support.
>> Firstly, Is my assumption correct?
>>=20
>> We are considering three options:
>> 1. Use "classic" everywhere. Amazon MQ can be used as a central =
broker.
>> 2. Use "artemis" everywhere. benefits of Artemis outweigh "classic" =
and the
>> use of managed service in Amazon MQ.
>> 3. Hybrid approach. Use Amazon MQ centrally (hoping artemis is on =
their
>> roadmap) and Artemis on all satellite brokers.
>>=20
>> I would love to hear your thoughts on this please.
>>=20
>> Once again thanks for the prompt response.
>>=20
>> Kunal
>>=20
>> On Fri, 4 Oct 2024 at 00:51, Justin Bertram <jbertram@apache.org> =
wrote:
>>=20
>>> Just to clarify...ActiveMQ Classic doesn't support the Core protocol =
so
>>> that is why you can't use a Core bridge to integrate.
>>>=20
>>>=20
>>> Justin

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 27

```
>>>=20
>>> On Thu, Oct 3, 2024 at 8:29=E2=80=AFAM Justin Bertram =
<jbertram@apache.org>
>> wrote:
>>>=20
>>>> Yes. You can bridge messages from Artemis to Classic and vice =
versa.
>>>> However, you can't use a Core bridge to do it. Core bridges, as the
>> name
>>>> suggests, use the Core protocol. A Core bridge can't use the AMQP
>>> protocol.
>>>=20
>>>> I recommend Camel since it's mature, powerful, and ubiquitous. You =
can
>>> set
>>>> up Camel routes on either Artemis or Classic. Here's [1] an example =
of
>>> how
>>>> to do it on Artemis.
>>>=20
>>>> It's also possible to use the JMS bridge that ships with Artemis =
[2].
>>>=20
>>>=20
>>>> Justin
>>>=20
>>>> [1]
>>>=20
>>>=20
>> =
https://github.com/apache/activemq-artemis-examples/tree/main/examples/fea=
tures/standard/camel
>>>> [2]
>>>=20
>>>=20
>> =
https://github.com/apache/activemq-artemis-examples/tree/main/examples/fea=
tures/sub-modules/inter-broker-bridge/artemis-jms-bridge
>>>=20
>>>> On Thu, Oct 3, 2024 at 2:38=E2=80=AFAM Kunal Rao =
<kunal@mechination.com.au>
>>> wrote:
>>>=20
>>>>> Hi,
>>>>=20
>>>>> Is it possible to bridge artemis with classic broker?
>>>>> I am trying with AMQP protocol.
>>>>=20
>>>>> I am getting this error
>>>>=20
>>>>> plbroker-1 | 2024-10-03 07:34:50,270 WARN
>>>>> [org.apache.activemq.artemis.core.server] AMQ224091: Bridge
>>>>> BridgeImpl@6a3012f8 [name=3Damqp-bridge,
>>> queue=3DQueueImpl[name=3Dplbroker.out,
>>>>> postOffice=3DPostOfficeImpl =
[server=3DActiveMQServerImpl::name=3D0.0.0.0],
>>>>> temp=3Dfalse]@7af74850 targetConnector=3DServerLocatorImpl
>> (identity=3DBridge
>>>>> amqp-bridge)
>>>>> =
[initialConnectors=3D[TransportConfiguration(name=3Dactivemq-classic-amqp,=
>>>>>=20
```

```
./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024                28
```

[illegible]

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 30

```
>>>>> <transportConnector name=3D"ws"
>>>>> uri=3D"ws://0.0.0.0:61614?maximumConnections=3D1000&amp;
>>>>> wireFormat.maxFrameSize=3D104857600" />
>>>>> </transportConnectors>
>>>>>=20
>>>>>=20
>>>>> what am i doing wrong?
>>>>>=20
>>>>> Cheers
>>>>> Kunal
>>>>>=20
>>>>=20
>>>=20
>>=20
>=20
```

To unsubscribe, e-mail: users-unsubscribe@activemq.apache.org
For additional commands, e-mail: users-help@activemq.apache.org
For further information, visit: <https://activemq.apache.org/contact>

From mboxrd@z Thu Jan 1 00:00:00 1970
Return-Path: <users-return-57504-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 201993E6D6
for <archive-asf-public@cust-asf.ponee.io>; Thu, 3 Oct 2024 07:38:40 +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 ES
MTPS id 07EBA68BF9
for <archive-asf-public@cust-asf.ponee.io>; Thu, 3 Oct 2024 07:38:39 +0000 (UTC)
Received: (qmail 182058 invoked by uid 998); 3 Oct 2024 07:38:10 -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 181710 invoked by uid 116); 3 Oct 2024 07:38:08 -0000
Received: from spamprocl-he-fi.apache.org (HELO spamprocl-he-fi.apache.org) (95.217.134.168)
by apache.org (qpsmtpd/0.94) with ESMTTP; Thu, 03 Oct 2024 07:38:08 +0000
Authentication-Results: apache.org; auth=none
Received: from localhost (localhost [127.0.0.1])
by spamprocl-he-fi.apache.org (ASF Mail Server at spamprocl-he-fi.apache.org) with ESMTTP id 9C697C21F7
for <users@activemq.apache.org>; Thu, 3 Oct 2024 07:38:08 +0000 (UTC)
X-Virus-Scanned: Debian amavisd-new at spamprocl-he-fi.apache.org
X-Spam-Flag: NO
X-Spam-Score: 3.202
X-Spam-Level: ***
X-Spam-Status: No, score=3.202 tagged_above=-999 required=6.31
tests=[DKIM_SIGNED=0.1, DKIM_VALID=-0.1, DKIM_VALID_AU=-0.1,

./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 31

DKIM_VALID_EF=-0.1, HTML_MESSAGE=0.2, MANY_SUBDOM=3.199,
NORMAL_HTTP_TO_IP=0.001, NUMERIC_HTTP_ADDR=0.001, SPF_PASS=-0.001,
URIBL_BLOCKED=0.001, WEIRD_PORT=0.001] autolearn=disabled
Authentication-Results: spamproc1-he-fi.apache.org (amavisd-new);
dkim=pass (1024-bit key) header.d=mechination.com.au
Received: from mx1-he-de.apache.org ([116.203.227.195])
by localhost (spamproc1-he-fi.apache.org [95.217.134.168]) (amavisd-new, port 1
0024)
with ESMTP id rPajzc9IZMYh for <users@activemq.apache.org>;
Thu, 3 Oct 2024 07:38:07 +0000 (UTC)
Received-SPF: Pass (mailfrom) identity=mailfrom; client-ip=2607:f8b0:4864:20::1136; hel
o=mail-yw1-x1136.google.com; envelope-from=kunal@mechination.com.au; receiver=<UNKNOWN>
Received: from mail-yw1-x1136.google.com (mail-yw1-x1136.google.com [IPv6:2607:f8b0:486
4:20::1136])
by mx1-he-de.apache.org (ASF Mail Server at mx1-he-de.apache.org) with ESMTPS i
d 816CC81FC6
for <users@activemq.apache.org>; Thu, 3 Oct 2024 07:38:07 +0000 (UTC)
Received: by mail-yw1-x1136.google.com with SMTP id 00721157ae682-6e21ac45b70so5371037b
3.1
for <users@activemq.apache.org>; Thu, 03 Oct 2024 00:38:07 -0700 (PDT)
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
d=mechination.com.au; s=google; t=1727941086; x=1728545886; darn=activemq.apach
e.org;
h=to:subject:message-id:date:from:mime-version:from:to:cc:subject
:date:message-id:reply-to;
bh=ejhuBsMN5eEQGZzoRv8Ru3JghzLU5fwjMxrWnzz4SCU=;
b=P5KJ/18CRVGPk8rUHY/smGGerLsrUTiqBilNEXSFwvFCfGWP7uWbwVBZJNg2dbOnwl
HOXGLzkRqPr/7kW+1XQxn5hS2joCj0IQvxHLDp4BwElzX5DIJ5Mry4Le+J3/ZJf/xQ8a
mMAfQr3iRQxGI506JQq+55Ys1eXmp5QCEpN+U=
X-Google-DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
d=le100.net; s=20230601; t=1727941086; x=1728545886;
h=to:subject:message-id:date:from:mime-version:x-gm-message-state
:from:to:cc:subject:date:message-id:reply-to;
bh=ejhuBsMN5eEQGZzoRv8Ru3JghzLU5fwjMxrWnzz4SCU=;
b=KNfoFpxsHE7WSMgpRmCgQqKWUVapZzoIZf/Yo6HR3JwY/vwdVGbTChElkmWlpgGyYw
vKxfs+/yEoRtZXODNd2Yn5zJSHMIruBeimMXwIV0G+OKUKj7AeJMqOneEkRuAf+sJDvj
nIstZWkOjkeEJN1zMl4KmOw0CkZ38uRecCjUdfTQH+PBXJDFtVC3jY73qhDym17biHpy
8mKIOeA99nB1+QnmuaYAmVuzQajUx8CVu/xYWZLqlJtEpcl/KrQuAtQuEz8bYrSDjpyV
oKiApMx8wJrHEaFkZ8Le1Fg8iPFy3n4362+CFS5HV/mHTvwa/phZzVhZAvCmqByUpctU
5PeQ==
X-Gm-Message-State: AOU0YyknEo3FQQxkBV+dZsAZJx/qbQRPU138rSF1V1/1EDBw0qCa3XH
nAwgt77GgwwBMiNNODpt+jEMdVBlhTorQoMPM5PT+NWQudxrqIsQC4yBpIkrHZTNm661cl/XPOM
z0KwZruv5Bkki63bAWlWwoWxyFdcKnM99H5CeBQnhIifrmaZFbU=
X-Google-Smtp-Source: AGHT+IHnc0o1941j3Kl3fJxMe12sDNFZwVgrLE3VlTa0qKONAFtOzdvlrLM4JYg
qmQIpez5hbSpvADe219X2FuBNQ=
X-Received: by 2002:a05:690c:508a:b0:6af:8662:ff37 with SMTP id
00721157ae682-6e2a2b112d6mr37549377b3.21.1727941085813; Thu, 03 Oct 2024
00:38:05 -0700 (PDT)
MIME-Version: 1.0
From: Kunal Rao <kunal@mechination.com.au>
Date: Thu, 3 Oct 2024 15:37:55 +0800
Message-ID: <CA0OFvV9RpTXU7vuHJ7qeddrfzCr=P=XZEMPTx6qvghAnMGAjug@mail.gmail.com>
Subject: Bridging Artemis with classic
To: users@activemq.apache.org
Content-Type: multipart/alternative; boundary="0000000000009d004206238da215"

--0000000000009d004206238da215
Content-Type: text/plain; charset="UTF-8"
Content-Transfer-Encoding: quoted-printable

Hi,

./CAF+kE_S5hTff8V6v5dTSKky0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 32

Is it possible to bridge artemis with classic broker?
I am trying with AMQP protocol.

I am getting this error

```
plbroker-1 | 2024-10-03 07:34:50,270 WARN
[org.apache.activemq.artemis.core.server] AMQ224091: Bridge
BridgeImpl@6a3012f8 [name=3Damqp-bridge, queue=3DQueueImpl[name=3Dplbroker.=
out,
postOffice=3DPostOfficeImpl [server=3DActiveMQServerImpl::name=3D0.0.0.0],
temp=3Dfalse]@7af74850 targetConnector=3DServerLocatorImpl (identity=3DBrid=
ge
amqp-bridge)
[initialConnectors=3D[TransportConfiguration(name=3Dactivemq-classic-amqp,
factory=3Dorg.apache.activemq.artemis.core.remoting.impl.netty-NettyConnect=
orFactory)?port=3D5672&host=3Dcentralbroker&protocols=3DAMQP],
discoveryGroupConfiguration=3Dnull]] is unable to connect to destination.
Retrying
centralbroker-1 | WARN | Connection attempt from non AMQP v1.0 client.
ARTEMIS,0
centralbroker-1 | WARN | Transport Connection to: tcp://172.19.0.3:33778
failed: Connection from client using unsupported AMQP attempted
```

broker.xml
=3D=3D=3D=3D=3D=3D=3D=3D

<acceptors>

```
<acceptor name=3D"artemis">
tcp://
0.0.0.0:61616?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;am=
qpMinLargeMessageSize=3D102400;protocols=3DCORE,AMQP,STOMP,HORNETQ,MQTT,OPE=
NWIRE;useEpoll=3Dtrue;amqpCredits=3D1000;amqpLowCredits=3D300;amqpDuplicate=
Detection=3Dtrue;supportAdvisory=3Dfalse;suppressInternalManagementObjects=
=3Dfalse
</acceptor>
```

<!-- AMQP Acceptor. Listens on default AMQP port for AMQP traffic.-->

```
<acceptor name=3D"amqp">
tcp://
0.0.0.0:5672?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;pro=
tocols=3DAMQP;useEpoll=3Dtrue;amqpCredits=3D1000;amqpLowCredits=3D300;amqpM=
inLargeMessageSize=3D102400;amqpDuplicateDetection=3Dtrue;handshake-timeout=
=3D0
</acceptor>
```

<!-- STOMP Acceptor. -->

```
<acceptor name=3D"stomp">
tcp://
0.0.0.0:61613?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;pr=
otocols=3DSTOMP;useEpoll=3Dtrue
</acceptor>
```

<!-- HornetQ Compatibility Acceptor. Enables HornetQ Core and STOMP for
legacy HornetQ
clients. -->

```
<acceptor name=3D"hornetq">
tcp://
0.0.0.0:5445?anycastPrefix=3Djms.queue.;multicastPrefix=3Djms.topic.;protoc=
ols=3DHORNETQ,STOMP;useEpoll=3Dtrue
</acceptor>
```

<!-- MQTT Acceptor -->


```
./CAF+kE_S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 33
```

```
<acceptor name=3D"mqtt">
tcp://
0.0.0.0:1883?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;pro=
tocols=3DMQTT;useEpoll=3Dtrue
</acceptor>
```

</acceptors>

```
<bridges>
<bridge name=3D"amqp-bridge">
<queue-name>plbroker.out</queue-name>
<forwarding-address>centralbroker.in</forwarding-address>
<user>admin</user>
<password>admin</password>
<static-connectors>
<connector-ref>activemq-classic-amqp</connector-ref>
</static-connectors>
</bridge>
</bridges>
```

```
<connectors>
<connector name=3D"activemq-classic-amqp">
tcp://centralbroker:5672?protocols=3DAMQP</connector>
</connectors>
```

activemq.xml
=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D

```
<transportConnectors>
<!-- DOS protection, limit concurrent connections to 1000 and frame size to
100MB -->
<transportConnector name="openwire"
uri="tcp://0.0.0.0:61616?maximumConnections=1000&
wireFormat.maxFrameSize=104857600000" />
<transportConnector name="amqp"
uri="amqp://0.0.0.0:5672?maximumConnections=1000&
wireFormat.maxFrameSize=104857600" />
<transportConnector name="stomp"
uri="stomp://0.0.0.0:61613?maximumConnections=1000&
wireFormat.maxFrameSize=104857600" />
<transportConnector name="mqtt"
uri="mqtt://0.0.0.0:1883?maximumConnections=1000&
wireFormat.maxFrameSize=104857600" />
<transportConnector name="ws"
uri="ws://0.0.0.0:61614?maximumConnections=1000&
wireFormat.maxFrameSize=104857600" />
</transportConnectors>
```

what am i doing wrong?

Cheers
Kunal

```
--00000000000009d004206238da215--
```