

./CA0OFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@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-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 ESMTPS 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 spamproc1-he-fi.apache.org (HELO spamproc1-he-fi.apache.org) (95.217.134.168)  
by apache.org (qpsmtpd/0.94) with ESMTP; Thu, 03 Oct 2024 07:38:08 +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 9C697C21F7  
for <users@activemq.apache.org>; Thu, 3 Oct 2024 07:38:08 +0000 (UTC)  
X-Virus-Scanned: Debian amavisd-new at spamproc1-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, 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 10024)  
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; helo=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:f8b0:4864:20::1136])  
by mx1-he-de.apache.org (ASF Mail Server at mx1-he-de.apache.org) with ESMTPS id 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 00721157ae682-6e21ac45b70so5371037b3.1  
for <users@activemq.apache.org>; Thu, 03 Oct 2024 00:38:07 -0700 (PDT)  
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;

./CAOOFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt  
Tue Nov 12 15:14:58 2024 2

d=mechination.com.au; s=google; t=1727941086; x=1728545886; darn=activemq.apache.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+1XQxn5hS2joCj0IQvxHLDp4BwE1zX5DIJ5Mry4Le+J3/ZJf/xQ8a  
mMAfQr3iRQxGI506JQq+55YsleXmp5QCEpN+U=

X-Google-DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;

d=1e100.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  
vxxfs+/yEoRtZXODNd2Yn5zJSHMIruBeimMXwIV0G+OKUKj7AeJMQoneEkRuAf+sJDvj  
nIstZWkOjkeEJN1zML4KmOw0CkZ38uRecCjUdfTQH+PBXJDFtVC3jY73qhDym17biHpy  
8mKIOeA99nBl+QnmuaYAmVuzQajUx8CVu/xYWZLqlJtEpcl/KrQuAtQuEz8bYrSDjpyV  
oKiApMx8wJrHEaFkZ8Le1Fg8iPFy3n4362+CFS5HV/mHTvwa/phZzVhZAvCmqByUpctU  
5PeQ==

X-Gm-Message-State: AOJu0YyknEo3FQQxkBV+dZsAZJx/qbQRPU138rSF1V1/1EDBw0qCa3XH  
nAwgt77GgwwBMinNODpt+jEMdVBlhTorQoMPM5PT+NWQudxrqIsQC4yBpIkrHZTNm661cl/XPOM  
z0KwZruv5Bkki63bAW1WwoWxxyFdcKnM99H5CeBQnhIifрмаZfBU=

X-Google-Smtp-Source: AGHT+IHNc0o1941j3Kl3fJxMe12sDNFZwVgrLE3VlTa0qKONAFLctOzdvlrLM4JYg  
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: <CAOOFvV9RpTXU7vuHJ7qeddrfzCr=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,

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
```

./CA0OFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt  
Tue Nov 12 15:14:58 2024 3

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,OPE=NWIRE;useEpoll=3Dtrue;amqpCredits=3D1000;amqpLowCredits=3D300;amqpDuplicateDetection=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;protocols=3DAMQP;useEpoll=3Dtrue;amqpCredits=3D1000;amqpLowCredits=3D300;amqpMinLargeMessageSize=3D102400;amqpDuplicateDetection=3Dtrue;handshake-timeout=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.;protocols=3DHORNETQ,STOMP;useEpoll=3Dtrue

</acceptor>

<!-- MQTT Acceptor -->

<acceptor name=3D"mqtt">

tcp://

0.0.0.0:1883?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;protocols=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>

```
./CAOOEvV9RpTXU7vuHJ7qeddrfzCr_P_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 4
```

`activemq.xml`

what am i doing wrong?

```
--00000000000000000000d004206238da215--
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.
```

./CAOOFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt  
Tue Nov 12 15:14:58 2024 5

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: AOJu0YwQMnvmSK9HHYX3uXZNG4sJtXcTeyA2svZc06EscXU6WaDJ3jHv  
eKKkwyws3sJRUQaM0s6mRTgHDxovUJgIx5dCj1SRkxt22M0nlqfAbX9SRPr7AEc+wmZ1t6uIBv+  
PunAB4AwA2U8l0gT7Y/mYu9nXEVsVbGWkeZ4ZQg==  
X-Google-Smtp-Source: AGHT+IFiGO18fvkJANAhDzgMRTUGPdQ6GIzbFCUT3RH9yyPKHfE37vZw6iKxZJG+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: <CAOOFvV9RpTXU7vuHJ7qeddrfzCr=P=XZEMPTx6qvghAnMGAjug@mail.gmail.com>  
In-Reply-To: <CAOOFvV9RpTXU7vuHJ7qeddrfzCr=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.  
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



```
./CAOOFvV9RpTXU7vuHJ7qeddrfzCr_P_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 7
```

[illegible]

./CAOOFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt  
Tue Nov 12 15:14:58 2024 8

--000000000000ab30060623928de8--

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 ESMTPS 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 ESMTP; 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 ESMTPSA id 1F81C3E915

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  
H9bClgTW8ueLPeQrqneEfAhTr7c=

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="0000000000001fb0de0623955774"

--0000000000001fb0de0623955774

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

Content-Transfer-Encoding: quoted-printable



./CA0OFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt  
Tue Nov 12 15:14:58 2024 9

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

>  
> [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-amqp,  
>> p,  
>>  
>> 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://

./CA0OFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt  
Tue Nov 12 15:14:58 2024 10

```
>> 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>
>>
>> <!-- 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.;pro=
>> tocols=3DHORNETQ,STOMP;useEpoll=3Dtrue
>> </acceptor>
>>
>> <!-- MQTT Acceptor -->
>> <acceptor name=3D"mqtt">
>> tcp://
>>
>> 0.0.0.0:1883?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;=
>> protocols=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>
```

```
./CAOOEvV9RpTXU7vuHJ7qeddrfzCr_P_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 11
```

```
>> <connector-ref>activemq-classic-amqp</connector-ref>
>> </static-connectors>
>> </bridge>
>> </bridges>
>>
>>
>> <connectors>
>> <connector name="activemq-classic-amqp">
>> tcp://centralbroker:5672?protocols=AMQP</connector>
>> </connectors>
>>
>>
>> activemq.xml
>> =====
>>
>> <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=10485760000" />
>> <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
>>
>
```

```
--000000000000000000001fb0de0623955774--
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)
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)
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
```

./CA0OFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt  
Tue Nov 12 15:14:58 2024 12

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 ESMTP; 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 ESMTP 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=mechination.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 ESMTP id lX-YuSC8o7OF for <users@activemq.apache.org>;

Fri, 4 Oct 2024 01:55:38 +0000 (UTC)

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 00721157ae682-6e214c3d045so13319637b3.0

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.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=6DqxGUxy8gfTgph9XDCWTivdD6E2P790bHDYQWEJrws=;

b=fblJnPJF45V5Acp7xnkVLRoZJt94SVt8kSSvfUFscv0XEnhBMGC+F+xPnkJq7w2url4idLzUkGlfPp8u4oTGnV2UL3z6htEFbMqTTell3g7xiq4NpndwXs7w86HZg9Q1h8csHa7ZcPKe4al3cx8WTauAjJS9WNJG0cqWLEkNiNs=

X-Google-DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;

d=1e100.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=6DqxGUxy8gfTgph9XDCWTivdD6E2P790bHDYQWEJrws=;

b=Dx8U4J5AqdkRkxzlHlwZ8f2OwnMuKIYA5axkvCp+hYrO/2QA8Bi2uXYJ0hkhlqk4RQ5yYT4nTmsq0vjuiRrfIAtz268WtpRC4DCf4G4CO7SW6PFbZzG89a1MSgbv0BxFlTUh6ZUyxs7VpPo2HmUT1nB5iXy9qXQNYugxns9+UiqtectezYcyQp0n2RcOybdNqv0LKTNMTqkB7FOSHx07s7SspQoCOTxRbo+JnZfm4iEwq7qawPNjnTAbSeeR6S+Kgh6Gu8yh8vA0Lf1IEg9011lunyJ5B+z7enm10LgBN5CyCVFqwp5tUTx8kIeTTSA3xOwcEB/Qs2a/suXGSBy

./CA0OFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt  
Tue Nov 12 15:14:58 2024 13

ADLw==

X-Gm-Message-State: AOJu0YwBfCWjcNe+aRmHwNLAkQ4lxrKjuzu7u2Zrjw6UoTlgkj2t3vLp  
YK9Y82zui44iTodcntc80H+Ge+Zf3JMoUMKIqtRdiD0eJ9CmDqX7FsyOVgtJdRroROvjCV7D8Tz  
g9EkeOqSB89601b20letYW2LogInByR+/AyVCAIUBAkkMED3q  
X-Google-Smtp-Source: AGHT+IE3w5UvswlDfIgrlzvsDcoWuWvi0K7ZzAq1RZFowya3eM+MRu4vKto9+tG+X  
o1AL4TsdtywkzVwubaVUzoN8yc=  
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: <CA0OFvV9RpTXU7vuHJ7qeddrfzCr\_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: <CA0OFvV\_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="00000000000055c92806239cf752"

--00000000000055c92806239cf752  
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  
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

```
./CAOOEvV9RpTXU7vuHJ7qeddrfzCr_P_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 14
```

[illegible]

```
> >>
> 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
> >> </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 fo=
r
> >> 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>
> >>
```

```
./CAOOFvV9RpTXU7vuHJ7qeddrfzCr_P_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 16
```

```
> >>
> >> <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
> >>
> >> <transportConnectors>
> >> <!-- DOS protection, limit concurrent connections to 1000 and frame si-
ze
> >> 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
> >>
> >
>
```

```
--0000000000000000000055c92806239cf752--
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)
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)
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>
```



./CA0OFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt  
Tue Nov 12 15:14:58 2024 17

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])  
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)  
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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+Ueci2UC0NR6iNW5xMcITD0gOEcd1dIxtc4RkqAxxv20XY2sB4Q4Qtrib9N82TZK6OrNnVmJGRs0n0venRluZGI+c0e94CnbU1OKNFdo7HqXDJh+Tu4sf5X6gF2H0WdpncB55W44uW4bZeRvcnPUBiUzqprzsXkBbTvAMEsXLIzmgmnrJmrFb6YTnpYBOKZiF78suWMw4c9wzCMviTm2EkNu0F9LF83akSgC1hBLmT3tePSOE15UBZRo+eylVNVViB1hsnaqvndJtJ6oGjVGSfVvZaPjpex3YgliXVUw38SH5W/gBYcWCVp7+BWpQFOg==  
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./CAOOFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt  
Tue Nov 12 15:14:58 2024 18

X-Gm-Message-State: AOJu0YzGqMc4ls5C0MaCUe3sCNdlfadGZ+rQskW8Y65cIw0VqMilnt7t  
fIVkO/suMWAQvTnpwAlMp5eWR7q5Agw50YzACrIZ+eEXGIjfrZwpAqJmEfCfWgG52oN/eKLj4r+  
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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>  
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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="00000000000011eae20623a0b287"

--00000000000011eae20623a0b287  
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 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 broke= r  
> and Artemis as satellite brokers with the assumption that artemis is a mo= re  
> 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 t= he  
> 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.

./CA0OFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt  
Tue Nov 12 15:14:58 2024 19

>  
> 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 ca=  
n  
> > set  
> > > up Camel routes on either Artemis or Classic. Here's [1] an example o=  
f  
> > 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](https://github.com/apache/activemq-artemis-examples/tree/main/examples/features/standard/camel)  
> > > [2]  
> > >  
> >  
> [https://github.com/apache/activemq-artemis-examples/tree/main/examples/fe=  
atures/sub-modules/inter-broker-bridge/artemis-jms-bridge](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.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,





./CA0OFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt  
Tue Nov 12 15:14:58 2024 22

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

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From mboxrd@z Thu Jan 1 00:00:00 1970  
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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)  
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 C42A4626BE  
for <archive-asf-public@cust-asf.ponee.io>; Sat, 5 Oct 2024 04:07:36 +0000 (UTC)  
Received: (qmail 4112071 invoked by uid 998); 5 Oct 2024 04:07:35 -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 4112051 invoked by uid 116); 5 Oct 2024 04:07:35 -0000  
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by apache.org (qpsmtpd/0.94) with ESMTP; Sat, 05 Oct 2024 04:07:35 +0000  
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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)  
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4fb4d7f45d1cf-5c8d2cff6elmr2928440a12.1.1728101250940; Fri, 04 Oct 2024  
21:07:30 -0700 (PDT)

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Tue Nov 12 15:14:58 2024 23

MIME-Version: 1.0

References: <CAOOFvV9RpTXU7vuHJ7qeddrfzCr=P=XZEMPTx6qvghAnMGAjug@mail.gmail.com>  
<CAF+kE=S5hTff8V6v5dTSKKy0wM0FBA-uzTDJxdxC-8EBmAEB6g@mail.gmail.com>  
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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="000000000000032e0c00623b2ed97"

--000000000000032e0c00623b2ed97  
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 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 mo= re  
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> Firstly, Is my assumption correct?  
>  
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> 2. Use "artemis" everywhere. benefits of Artemis outweigh "classic" and t= he  
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Tue Nov 12 15:14:58 2024 24

> Once again thanks for the prompt response.  
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> > Just to clarify...ActiveMQ Classic doesn't support the Core protocol so  
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> name  
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> > how  
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> > >  
> > > 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=](https://github.com/apache/activemq-artemis-examples/tree/main/examples/features/standard/camel)  
atures/standard/camel  
> > > [2]  
> > >  
> >  
> [https://github.com/apache/activemq-artemis-examples/tree/main/examples/fe=](https://github.com/apache/activemq-artemis-examples/tree/main/examples/features/sub-modules/inter-broker-bridge/artemis-jms-bridge)  
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,  
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> > >> 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],



Tue Nov 12 15:14:58 2024

[illegible]

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./CAOOvV9RpTXU7vuHJ7qeddrfzCr_P_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt
Tue Nov 12 15:14:58 2024 26
```

[illegible]

./CA0OFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt  
Tue Nov 12 15:14:58 2024 27

```
> > >> wireFormat.maxFrameSize=3D104857600" />
> > >> </transportConnectors>
> > >>
> > >>
> > >> what am i doing wrong?
> > >>
> > >> Cheers
> > >> Kunal
> > >>
> > >
> >
>
```

--000000000000032e0c00623b2ed97--  
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)  
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 E2A9745867  
for <archive-asf-public@cust-asf.ponee.io>; Mon, 7 Oct 2024 17:39:40 +0000 (UTC)  
C)  
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>  
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  
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for <users@activemq.apache.org>; Mon, 7 Oct 2024 17:39:38 +0000 (UTC)  
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RCVD\_IN\_MSPIKE\_H3=0.001, RCVD\_IN\_MSPIKE\_WL=0.001,  
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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

./CAOOFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt  
Tue Nov 12 15:14:58 2024 28

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+2yHu2Yv9wTkCxrNZDundtTCZaR5XuBHUGrx6cMfGe4jxpGjCsUSPKESxAlxyPhNPo5lLF8hqLByABFZtpkMJl3vtbk8zulT6pId4D2gBjJ0vMfK7xoIkptBfjmZcE+4DYSFLKfNQ5rt54AFpSldSxjFj09lrola2fSReE3YeydOGVsAgLq6FumFzru8YUQJgBUL4GIKqJdJps5h9MW0WfFa2sp12m7fDc5JgZoa3sUDn14coSjqhgY9OmUCIjVtARnyHnJhtixS6jiQiylnwhKsagFo0sqImjco3cI7EglCOq7S/ZDeV7vL0ysJBaQUkOSR5dSf8GrEFKA==

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=CVoRklh0lPVSIMT3D/ktYyM6R004sfJDA2Z6Pr+5Ckiqcu49/JcWtvpTcNDemlCDCN72eKUvZc2FypQ7kHfmXov5GCvjJjEQsm8G78v2cbaMTqn4t1tJrprNR8HsBs1tw57qY/otB3h77oDB32/4zUp6xCZaKMhs8Uzcl7t6y/4dHbrRn893ezELiDXaaZTqX6MOWyOpIKabk1JaA51/F56dCiNg0WF1W6jK1Rp9qZGiZRqE6IEXSxqec4ZYlmZlZ+luqGV2NEhuD04LDraslpWHsDf6mJ5k/elwffjqgddpAMlayt3uAMszRM56QGB4tUiynQDhteXxEoaD/EG/ZitQ==

X-Gm-Message-State: AOJu0YyqIC4Lr4aFi5Fkljv2NaB5NM8yjGryyNz+s3FIeB/nIAd6YQvr

xgOro/a+TbSloKPJjpY2uTGJXiVX03w2UHBv4kfGAWMAkDuWAKM86D8QTg==

X-Google-Smtp-Source: AGHT+IE+QeMvy898WcLlqXkptcZ9fN9okLs/ZrLT3jDcxMjUhpA+IxAZ1L0vm5cHp8reDCK8T4wn4A==

X-Received: by 2002:a05:6870:d182:b0:259:8858:a330 with SMTP id 586e51a60fabf-28816e2e782mr219080fac.22.1728322775917;

Mon, 07 Oct 2024 10:39:35 -0700 (PDT)

Received: from smtpclient.apple (108-85-129-236.lightspeed.austtx.sbcglobal.net. [108.85.129.236])

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 <mattrpav@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: <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>

<CAF+kE=Qn3jBr\_hBhr-18aKKc8xoE+YtaMBDVJyQ+6hqRHa1+BQ@mail.gmail.com>

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

**./CAOOFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt**  
**Tue Nov 12 15:14:58 2024 29**

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  
> 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:

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Tue Nov 12 15:14:58 2024 30

>=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

>>>=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

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Tue Nov 12 15:14:58 2024 31

```
>>>=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
>>>>=20
>>>=20
>> =
factory=3Dorg.apache.activemq-artemis-core-remoting-impl-netty-NettyConnec=
torFactory)?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
>>>>=20
>>>> broker.xml
>>>> =3D=3D=3D=3D=3D=3D=3D=3D=3D
>>>>=20
>>>> <acceptors>
>>>>=20
>>>> <acceptor name=3D"artemis">
>>>> tcp://
>>>>=20
>>>>=20
>>>=20
>> =
0.0.0.0:61616?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;a=
mqpMinLargeMessageSize=3D102400;protocols=3DCORE,AMQP,STOMP,HORNETQ,MQTT,O=
```

./CA0OFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt  
Tue Nov 12 15:14:58 2024 32

```
PENWIRE;useEpoll=3Dtrue;amqpCredits=3D1000;amqpLowCredits=3D300;amqpDuplic=
ateDetection=3Dtrue;supportAdvisory=3Dfalse;suppressInternalManagementObj=
cts=3Dfalse
>>>>> </acceptor>
>>>>>=20
>>>>> <!-- AMQP Acceptor. Listens on default AMQP port for AMQP =
traffic.-->
>>>>> <acceptor name=3D"amqp">
>>>>> tcp://
>>>>>=20
>>>>>=20
>>>=20
>> =
0.0.0.0:5672?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;pr=
otocols=3DAMQP;useEpoll=3Dtrue;amqpCredits=3D1000;amqpLowCredits=3D300;amq=
pMinLargeMessageSize=3D102400;amqpDuplicateDetection=3Dtrue;handshake-time=
out=3D0
>>>>> </acceptor>
>>>>>=20
>>>>> <!-- STOMP Acceptor. -->
>>>>> <acceptor name=3D"stomp">
>>>>> tcp://
>>>>>=20
>>>>>=20
>>>=20
>> =
0.0.0.0:61613?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;p=
rotocols=3DSTOMP;useEpoll=3Dtrue
>>>>> </acceptor>
>>>>>=20
>>>>> <!-- HornetQ Compatibility Acceptor. Enables HornetQ Core and =
STOMP
>> for
>>>>> legacy HornetQ
>>>>> clients. -->
>>>>> <acceptor name=3D"hornetq">
>>>>> tcp://
>>>>>=20
>>>>>=20
>>>=20
>> =
0.0.0.0:5445?anycastPrefix=3Djms.queue.;multicastPrefix=3Djms.topic.;proto=
cols=3DHORNETQ,STOMP;useEpoll=3Dtrue
>>>>> </acceptor>
>>>>>=20
>>>>> <!-- MQTT Acceptor -->
>>>>> <acceptor name=3D"mqtt">
>>>>> tcp://
>>>>>=20
>>>>>=20
>>>=20
>> =
0.0.0.0:1883?tcpSendBufferSize=3D1048576;tcpReceiveBufferSize=3D1048576;pr=
otocols=3DMQTT;useEpoll=3Dtrue
>>>>> </acceptor>
>>>>>=20
>>>>> </acceptors>
>>>>>=20
>>>>> <bridges>
>>>>> <bridge name=3D"amqp-bridge">
>>>>> <queue-name>plbroker.out</queue-name>
>>>>> <forwarding-address>centralbroker.in</forwarding-address>
>>>>> <user>admin</user>
```



./CA0OFvV9RpTXU7vuHJ7qeddrfzCr\_P\_XZEMPTx6qvghAnMGAjug@mail.gmail.com.mbx.txt  
Tue Nov 12 15:14:58 2024 33

```
>>>>> <password>admin</password>
>>>>> <static-connectors>
>>>>> <connector-ref>activemq-classic-amqp</connector-ref>
>>>>> </static-connectors>
>>>>> </bridge>
>>>>> </bridges>
>>>>>=20
>>>>>=20
>>>>> <connectors>
>>>>> <connector name=3D"activemq-classic-amqp">
>>>>> tcp://centralbroker:5672?protocols=3DAMQP</connector>
>>>>> </connectors>
>>>>>=20
>>>>>=20
>>>>> activemq.xml
>>>>> =3D=3D=3D=3D=3D=3D=3D=3D=3D=3D
>>>>>=20
>>>>> <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>
>>>>>=20
>>>>>=20
>>>>> what am i doing wrong?
>>>>>=20
>>>>> Cheers
>>>>> Kunal
>>>>>=20
>>>>=20
>>>=20
>>=20
>=20
```

---

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