```
From mboxrd@z Thu Jan  1 00:00:00 1970
Return-Path: <users-return-57522-archive-asf-public=cust-asf.ponee.io@activemq.apache.o
rg>
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 E9BA93E697
        for <archive-asf-public@cust-asf.ponee.io>; Mon,  7 Oct 2024 13:27:05 +0000 (UT
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 F40A4467A6
        for <archive-asf-public@cust-asf.ponee.io>; Mon,  7 Oct 2024 13:27:04 +0000 (UT
C)
Received: (qmail 3180637 invoked by uid 998); 7 Oct 2024 13:27:03 -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 3180620 invoked by uid 116); 7 Oct 2024 13:27:03 -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; Mon, 07 Oct 2024 13:27:03 +0000
Authentication-Results: apache.org; auth=none
Received: from mail-lj1-f170.google.com (mail-lj1-f170.google.com [209.85.208.170])
        by mailrelay1-ec2-va.apache.org (ASF Mail Server at mailrelay1-ec2-va.apache.or
g) with ESMTPSA id 818A040151
        for <users@activemq.apache.org>; Mon,  7 Oct 2024 13:27:02 +0000 (UTC)
Received: by mail-lj1-f170.google.com with SMTP id 38308e7fff4ca-2fac6b3c220so55728301f
a.2
        for <users@activemq.apache.org>; Mon, 07 Oct 2024 06:27:02 -0700 (PDT)
X-Gm-Message-State: AOJu0YwT/23kAjV1u44NQlTzR35yd0JPO+BTIcEjS+C0P5YrgZ39JQIF
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        /znNAB5f/MDqX+MHGnEEpokruLI4oIxwBF+KyuQ==
X-Google-Smtp-Source: AGHT+IEQYlPr+uAHlW87vR5NnNh0BKYAhIsaE0uojM7pGxFN49s6trcuYdHSm/p+5
3j8oL3eT6hKZDuesZdkBr7uAeY=
X-Received: by 2002:a05:6512:b98:b0:536:55cc:963e with SMTP id
 2adb3069b0e04-539ab9cf28bmr8375799e87.44.1728307621277; Mon, 07 Oct 2024
 06:27:01 -0700 (PDT)
MIME-Version: 1.0
References: <DM8PR11MB5638AF2619DDE676C84A0D8AF3722@DM8PR11MB5638.namprd11.prod.outlook
.com>
In-Reply-To: <DM8PR11MB5638AF2619DDE676C84A0D8AF3722@DM8PR11MB5638.namprd11.prod.outloo
k.com>
From: Justin Bertram <jbertram@apache.org>
Date: Mon, 7 Oct 2024 08:26:33 -0500
X-Gmail-Original-Message-ID: <CAF+kE=TkXbu1cDikE+tKgoMA1yiOcu=+Kde-j7FEpGfJXn4pow@mail.
gmail.com>
Message-ID: <CAF+kE=TkXbu1cDikE+tKgoMA1yiOcu=+Kde-j7FEpGfJXn4pow@mail.gmail.com>
Subject: Re: Recommendation on Azure Storage Class settings for the
 activemq-shared-store-pvc volume shared by both Artemis-HA instances
To: "users@activemq.apache.org" <users@activemq.apache.org>
Content-Type: multipart/alternative; boundary="000000000000d451e00623e2f945"

--000000000000d451e00623e2f945
Content-Type: text/plain; charset="UTF-8"
Content-Transfer-Encoding: quoted-printable
```

Years ago Artemis used to use byte-range locks, but we switched to simple
file locks in the 2.10.0 release (see ARTEMIS-2441 [1]). Therefore, I don't
expect the "-nobrl" flag to have any impact since we don't use byte-range
locks.

Really the only thing you need in a remote file-system is something that
supports exclusive file-locks. You also need to disable any client caching
so that anything written to disk by the broker is actually written to the
remote filesystem and not cached on the client somehow otherwise you risk
losing data when the broker crashes which essentially defeats the purpose
of configuring high-availability in the first place.

Justin

[1] https://issues.apache.org/jira/browse/ARTEMIS-2441

On Fri, Oct 4, 2024 at 3:54=E2=80=AFPM Lino Pereira
<lino.pereira@redpointglobal.com.invalid> wrote:

> Hi,
>
> We are using Artemis-HA, with the live and backup instances, in our K8S
> deployment in Azure. In our config, we have a =E2=80=9Cactivemq-shared-st=
ore-pvc=E2=80=9D
> volume backed by an Azure File Share that is shared by both the live and
> backup Artemis instances to keep live/backup state.
>
> Generally, do you have specific recommendations for the Azure Storage
> Class settings that should be used for such a volume.
>
> More specifically, when creating a StorageClass in Azure Kubernetes for
> such a volume, I encountered an advisory in Azure documentation that
> recommends including the -nobrl flag in the mount Options. The
> documentation states that this flag is crucial for avoiding issues relate=
d
> to byte range locks in certain applications, i.e.:
> # Disables sending byte range lock requests to the server and for
> applications which have challenges with POSIX locks.
>
> What is your recommendation regarding including the -nobrl flag for the
> =E2=80=9Cactivemq-shared-store-pvc=E2=80=9D volume that is shared by Arte=
mis-HA instances
> to keep live/backup state?
>
> Thanks,
> Lino
>
>
> [rg] <https://www.redpointglobal.com/>
>
> Lino Pereira
>
> C++ Developer, Redpoint Global Inc.
>
> 34 Washington Street, Suite 205 Wellesley Hills, MA 02481
>
> lino.pereira@redpointglobal.com<mailto:lino.pereira@redpointglobal.com>
>
> PLEASE NOTE: This e-mail from Redpoint Global Inc. (=E2=80=9CRedpoint=E2=
=80=9D) is
> confidential and is intended solely for the use of the individual(s) to

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> please notify the sender immediately, delete the e-mail from your compute=
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> and do not copy, print or disclose it to anyone else. If you properly
> received this e-mail as a customer, partner or vendor of Redpoint, you
> should maintain its contents in confidence subject to the terms and
> conditions of your agreement(s) with Redpoint.
>

--000000000000d451e00623e2f945--
From mboxrd@z Thu Jan 1 00:00:00 1970
Return-Path: <users-return-57518-archive-asf-public=cust-asf.ponee.io@activemq.apache.o
rg>
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 5A3043E69C
        for <archive-asf-public@cust-asf.ponee.io>; Fri, 4 Oct 2024 20:55:58 +0000 (UT
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)
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        (No client certificate requested)
        by mxout1-he-de.apache.org (ASF Mail Server at mxout1-he-de.apache.org) with ES
MTPS id 38E0A69791
        for <archive-asf-public@cust-asf.ponee.io>; Fri, 4 Oct 2024 20:54:03 +0000 (UT
C)
Received: (qmail 3651544 invoked by uid 998); 4 Oct 2024 20:53:58 -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 3651462 invoked by uid 116); 4 Oct 2024 20:53:57 -0000
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.168)
 by apache.org (qpsmtpd/0.94) with ESMTP; Fri, 04 Oct 2024 20:53:57 +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) w
ith ESMTP id 84AA8C2216
        for <users@activemq.apache.org>; Fri, 4 Oct 2024 20:53:57 +0000 (UTC)
X-Virus-Scanned: Debian amavisd-new at spamproc1-he-fi.apache.org
X-Spam-Flag: NO
X-Spam-Score: 0.012
X-Spam-Level:
X-Spam-Status: No, score=0.012 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,
        RCVD_IN_VALIDITY_RPBL_BLOCKED=0.001,
        RCVD_IN_VALIDITY_SAFE_BLOCKED=0.001, SPF_PASS=-0.001,
        T_REMOTE_IMAGE=0.01, URIBL_BLOCKED=0.001] autolearn=disabled
Authentication-Results: spamproc1-he-fi.apache.org (amavisd-new);
        dkim=pass (1024-bit key) header.d=redpointglobal.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 1
0024)
        with ESMTP id Z4J68SCn_9Ek for <users@activemq.apache.org>;
        Fri, 4 Oct 2024 20:53:56 +0000 (UTC)
Received-SPF: Pass (mailfrom) identity=mailfrom; client-ip=209.222.82.125; helo=outboun

d-ip192b.ess.barracuda.com; envelope-from=lino.pereira@redpointglobal.com; receiver=<UN
KNOWN>
Received: from outbound-ip192b.ess.barracuda.com (outbound-ip192b.ess.barracuda.com [20
9.222.82.125])
        by mx1-ec2-va.apache.org (ASF Mail Server at mx1-ec2-va.apache.org) with ESMTPS
 id 3B449C0C53
        for <users@activemq.apache.org>; Fri, 4 Oct 2024 20:53:56 +0000 (UTC)
Received: from NAM10-BN7-obe.outbound.protection.outlook.com (mail-bn7nam10lp2044.outbo
und.protection.outlook.com [104.47.70.44]) by mx-outbound47-223.us-east-2c.ess.aws.cuda
ops.com (version=TLSv1.2 cipher=ECDHE-RSA-AES256-GCM-SHA384 bits=256 verify=NO); Fri, 0
4 Oct 2024 20:53:49 +0000
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ARC-Message-Signature: i=2; a=rsa-sha256; c=relaxed/relaxed; d=microsoft.com;
 s=arcselector10001;
 h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-AntiSpam-Messag
eData-ChunkCount:X-MS-Exchange-AntiSpam-MessageData-0:X-MS-Exchange-AntiSpam-MessageDat
a-1;
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 51.81.11.12) smtp.rcpttodomain=activemq.apache.org
 smtp.mailfrom=redpointglobal.com; dmarc=pass (p=reject sp=reject pct=100)
 action=none header.from=redpointglobal.com; dkim=none (message not signed);
 arc=fail (47)
X-ASF-DKIM-Sig: v=1; a=rsa-sha256; c=relaxed/relaxed; d=redpointglobal.com;
 s=selector1;
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 b=D6cJzZ+dFEwh2wF+DgOLeGrVBRbXtyEl8bUkd1Bv7nRq93FfjAJ5oit5DMOjfscfPXfM212h7TH7zm7ZWsmk
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Received: from CH2PR14CA0016.namprd14.prod.outlook.com (2603:10b6:610:60::26)
 by PH0PR11MB5925.namprd11.prod.outlook.com (2603:10b6:510:143::10) with
 Microsoft SMTP Server (version=TLS1_2,
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 2024 20:53:46 +0000
Received: from CH1PEPF0000AD75.namprd04.prod.outlook.com
 (2603:10b6:610:60:cafe::a7) by CH2PR14CA0016.outlook.office365.com
 (2603:10b6:610:60::26) with Microsoft SMTP Server (version=TLS1_2,
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X-MS-Exchange-Authentication-Results: spf=pass (sender IP is 51.81.11.12)
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Received-SPF: Pass (protection.outlook.com: domain of redpointglobal.com
 designates 51.81.11.12 as permitted sender) receiver=protection.outlook.com;
 client-ip=51.81.11.12; helo=vin1-relay.sendergen.com; pr=C
Received: from vin1-relay.sendergen.com (51.81.11.12) by
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Received: from NAM12-MW2-obe.outbound.protection.outlook.com (mail-mw2nam12lp2047.outbo
und.protection.outlook.com [104.47.66.47])
        by vin1-relay.sendergen.com (Postfix) with ESMTPS id 29098108DB265
        for <users@activemq.apache.org>; Fri, 4 Oct 2024 16:53:45 -0400 (EDT)
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ARC-Authentication-Results: i=1; mx.microsoft.com 1; spf=pass
 smtp.mailfrom=redpointglobal.com; dmarc=pass action=none
 header.from=redpointglobal.com; dkim=pass header.d=redpointglobal.com;
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 ([fe80::e8c:15f8:ff7c:b3dd%7]) with mapi id 15.20.8026.017; Fri, 4 Oct 2024
 20:53:42 +0000
From: Lino Pereira <lino.pereira@redpointglobal.com.INVALID>
To: "users@activemq.apache.org" <users@activemq.apache.org>
Subject: Recommendation on Azure Storage Class settings for the
 activemq-shared-store-pvc volume shared by both Artemis-HA instances
Thread-Topic: Recommendation on Azure Storage Class settings for the
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Thread-Index: AdsWnPfhimgnHp70Tt+ALunZwUt1OA==
X-SG-Signature: true
Date: Fri, 4 Oct 2024 20:53:42 +0000
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Accept-Language: en-US
Content-Language: en-US
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X-MS-TNEF-Correlator:
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        DM8PR11MB5638:EE_|DS7PR11MB7738:EE_|CH1PEPF0000AD75:EE_|PH0PR11MB5925:EE_
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X-MS-Exchange-SenderADCheck: 1
X-MS-Exchange-AntiSpam-Relay: 0
X-Microsoft-Antispam-Untrusted:
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X-Microsoft-Antispam-Message-Info-Original:
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        cloudscan9-202.us-east-2a.ess.aws.cudaops.com]
        Rule breakdown below
         pts rule name   description
        ---- -------------------- ------------------------------
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        0.00 BSF_BESS_OUTBOUND   META: BESS Outbound
X-BESS-Outbound-Spam-Status: SCORE=0.00 using account:ESS68988 scores of KILL_LEVEL=7.0
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Hi,

We are using Artemis-HA, with the live and backup instances, in our K8S dep=
loyment in Azure. In our config, we have a =E2=80=9Cactivemq-shared-store-p=
vc=E2=80=9D volume backed by an Azure File Share that is shared by both th=
e live and backup Artemis instances to keep live/backup state.

Generally, do you have specific recommendations for the Azure Storage Class=
 settings that should be used for such a volume.

More specifically, when creating a StorageClass in Azure Kubernetes for suc=
h a volume, I encountered an advisory in Azure documentation that recommen=
ds including the –nobrl flag in the mount Options. The documentation states=
 that this flag is crucial for avoiding issues related to byte range locks =
in certain applications, i.e.:
Disables sending byte range lock requests to the server and for applicati=
ons which have challenges with POSIX locks.

What is your recommendation regarding including the –nobrl flag for the =E2=
=80=9Cactivemq-shared-store-pvc=E2=80=9D volume that is shared by Artemis-H=
A instances to keep live/backup state?

Thanks,
Lino

[rg] <https://www.redpointglobal.com/>

Lino Pereira

C++ Developer, Redpoint Global Inc.

34 Washington Street, Suite 205 Wellesley Hills, MA 02481

lino.pereira@redpointglobal.com<mailto:lino.pereira@redpointglobal.com>

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oint=E2=80=9D) is confidential and is intended solely for the use of the in=
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itions of your agreement(s) with Redpoint.

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rg>
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Delivered-To: archive-asf-public@cust-asf.ponee.io
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Precedence: bulk
List-Help: <mailto:users-help@activemq.apache.org>
List-Unsubscribe: <mailto:users-unsubscribe@activemq.apache.org>
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Delivered-To: mailing list users@activemq.apache.org
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To: "users@activemq.apache.org" <users@activemq.apache.org>
Subject: RE: Recommendation on Azure Storage Class settings for the
 activemq-shared-store-pvc volume shared by both Artemis-HA instances
Thread-Topic: Recommendation on Azure Storage Class settings for the
 activemq-shared-store-pvc volume shared by both Artemis-HA instances
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Date: Mon, 7 Oct 2024 05:44:59 +0000
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Accept-Language: lt-LT, en-US, lb-LU
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X-MS-TNEF-Correlator:
authentication-results: dkim=none (message not signed)
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x-ms-trafficttypediagnostic: AM8PR01MB7699:EE_|PR3PR01MB6604:EE_
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