AMQ-7068

HNS90

2018-10-07

Contents

Chapter 1

Root issue AMQ-7068

1.1 Summary

Advisory messages are empty when received with a AMQP subscription

1.2 Description

We are currently moving from OpenWire to AMQP with .NET Library amqpnetlite ([https://github.com/Azure/amqpnetlite) communicate. So far most things work fine, but we actively used and need the advisory messages in order to recognize if other clients disconnect for example.

Accessing the advisory messages through the topic is not the problem, but the body is null for the ActiveMQ.Advisory.Connection topic. There are some properties set, but no body set and I'm not able to find any important information, like the RemoveInfo. I attached a few screenshots from debugger.

To be honest, I don't know if this is the desired behavior, but I think if there are messages on the advisory topic they should be useful.

I know that a byte representation wouldn't be that useful, but you could present the information in json or xml format, like in Stomp? (https://issues.apache.org/jira/browse/AMQ-2098)

1.3 Attachments

1. issueamq.PNG

2. issueamq2.PNG

3. issueamq3.PNG

1.4 Comments

1. **tabish:** Representing the OpenWire protocol objects in the AMQP body requires some work to produce conversions of the data into some types that can be marshalled in the AMQP protocol's type system. Currently no proper mapping has been done but if you want to contribute it we'd be happy to accept the patches. You'd likely need to convert the types into Map representations for the broadest comparability, XML would work but would be harder for folks to deal with than a simple mapping.

2. **HNS90:** Wow, thanks for the quick answer and for correcting the issue! I'd be happy if I can contribute, as we would be very happy about that feature. I've seen there is a activemq mirror on github, do you also accept pull requests there or just patches in here?

3. **tabish:** Yes, you can send PRs to the github repository for review

4. **githubbot:** GitHub user JohBa opened a pull request:

   https://github.com/apache/activemq/pull/312

   [AMQ-7068] Advisory messages are empty when received with a AMQP subscription

   This pull request does not tackle the whole problem, but part of it.

   Maps 'ConnectionInfo' an parts of 'RemoveInfo' advisory messages for usage with AMQP.

   You can merge this pull request into a Git repository by running:

   $ git pull https://github.com/JohBa/activemq master

   Alternatively you can review and apply these changes as the patch at:

   https://github.com/apache/activemq/pull/312.patch

   To close this pull request, make a commit to your master/trunk branch
   with (at least) the following in the commit message:

   This closes #312

   ----
   commit 8c7e320dca569bdcf2157d9b248d8223f2f6a750
   Author: Johannes BÃďurle <johannes.baeurle@...>
   Date: 2018-10-18T12:27:07Z

   Partly mapped ConnectionInfo advisory message for AMQP

   commit ab36bd4ab514a72053ad695cfe2082a097c94f15
   Author: Johannes BÃďurle <johannes.baeurle@...>
   Date: 2018-10-18T12:31:16Z

   Merge remote-tracking branch 'upstream/master'

   commit 182fbab114a53d4ae2b9c7a6436e7a67794e4795
   Author: Johannes BÃďurle <johannes.baeurle@...>
   Date: 2018-10-18T12:33:14Z

   Mapping for removeInfo with connectionId for AMQP advisory message

   commit ef34fb1c5872e2b8dc4ecc19e87e9737cd74c331
   Author: Johannes BÃďurle <johannes.baeurle@...>
   Date: 2018-10-18T12:36:26Z

   Add Tests

commit 4ab7fd0aac52ca3e2f37ecc4bd7487eb93120ec5
Author: Johannes BÃďurle <johannes.baeurle@...>
Date: 2018-10-19T13:38:53Z

adjust tests

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5. **jira-bot:** Commit 6f338aa2817c221c16b6a97b7d3377daeaf42726 in activemq's branch ref-s/heads/master from Johannes BÃďurle
[https://gitbox.apache.org/repos/asf?p=activemq.git;h=6f338aa]

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6. **jira-bot:** Commit 614e55d04e8f3715a80a4027b622498a3f58f7ec in activemq's branch refs/heads/activemq-5.15.x from Johannes BÃďurle
[https://gitbox.apache.org/repos/asf?p=activemq.git;h=614e55d]

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(cherry picked from commit 6f338aa2817c221c16b6a97b7d3377daeaf42726)