Red Hat AMQ 7.5

Release Notes for AMQ Interconnect 1.6

Release Notes for AMQ Interconnect

Last Updated: 2020-01-08

Red Hat AMQ 7.5 Release Notes for AMQ Interconnect 1.6

Release Notes for AMQ Interconnect

Legal Notice

Copyright © 2020 Red Hat, Inc.

The text of and illustrations in this document are licensed by Red Hat under a Creative Commons Attribution–Share Alike 3.0 Unported license ("CC-BY-SA"). An explanation of CC-BY-SA is available at
http://creativecommons.org/licenses/by-sa/3.0/
. In accordance with CC-BY-SA, if you distribute this document or an adaptation of it, you must provide the URL for the original version.

Red Hat, as the licensor of this document, waives the right to enforce, and agrees not to assert, Section 4d of CC-BY-SA to the fullest extent permitted by applicable law.

Red Hat, Red Hat Enterprise Linux, the Shadowman logo, the Red Hat logo, JBoss, OpenShift, Fedora, the Infinity logo, and RHCE are trademarks of Red Hat, Inc., registered in the United States and other countries.

Linux ® is the registered trademark of Linus Torvalds in the United States and other countries.

Java ® is a registered trademark of Oracle and/or its affiliates.

XFS ® is a trademark of Silicon Graphics International Corp. or its subsidiaries in the United States and/or other countries.

MySQL ® is a registered trademark of MySQL AB in the United States, the European Union and other countries.

Node.js ® is an official trademark of Joyent. Red Hat is not formally related to or endorsed by the official Joyent Node.js open source or commercial project.

The OpenStack ® Word Mark and OpenStack logo are either registered trademarks/service marks or trademarks/service marks of the OpenStack Foundation, in the United States and other countries and are used with the OpenStack Foundation's permission. We are not affiliated with, endorsed or sponsored by the OpenStack Foundation, or the OpenStack community.

All other trademarks are the property of their respective owners.

Abstract

These release notes contain the latest information about new features, enhancements, fixes, and issues contained in the AMQ Interconnect 1.6 release.

Table of Contents

CHAPTER 1. ENHANCEMENTS 3

CHAPTER 2. FIXED ISSUES 4

CHAPTER 3. KNOWN ISSUES 5

CHAPTER 1. ENHANCEMENTS

- ENTMQIC-2144 - **Fix handling of unsettled multicast**
  AMQ Interconnect has been enhanced to properly reflect the status of unsettled multicast deliveries. Previously, AMQ Interconnect treated all multicast deliveries as pre-settled ("fire and forget"), which meant that producers always received an **accepted** response even if the message was not delivered to a consumer.

  Now, if a producer sends an unsettled message to a multicast address, AMQ Interconnect sets the inbound delivery's terminal state based on the dispositions received from the consumers. As a result, the producer receives an indication that at least one consumer accepted, modified, or rejected the message.

  For more information about reliability guarantees for unsettled multicast messages, see Message Settlement and Reliability in *Using AMQ Interconnect*.

- ENTMQIC-2269 - **Router state dump with qdstat**
  The **qdstat** tool has been enhanced with the new **--all-routers** and **--all-entities** options. You can use these options to create a state dump of the router network containing all statistics for all routers, a single statistic for all routers, or all statistics for a single router.

  Before, you could only display a single statistic for a single router at a time.

  For more information, see Creating a State Dump of the Router Network in *Using AMQ Interconnect*.

CHAPTER 2. FIXED ISSUES

For information about issues fixed in maintenance releases, see the following articles:

- AMQ Interconnect 1.6.x Resolved Issues

CHAPTER 3. KNOWN ISSUES

- ENTMQIC-61 - **Memory pools are never returned to heap**
  Several heavily used data objects (deliveries, messages, links, buffers, etc.) are managed by AMQ Interconnect in pools for efficient allocation. In AMQ Interconnect 1.1, objects in these pools are not returned to the heap at any time. This means that the memory used in large bursts of activity will not be freed, but will remain available for use thereafter.

  This might be observed as an increase in memory usage that does not decrease after a burst of activity is completed. Subsequent bursts of activity will use the same memory that was used previously.

  Methods of returning large amounts of pooled objects back to the heap are being developed.

- ENTMQIC-1980 - **Symbolic ports in HTTP listeners do not work**
  When configuring a listener in the router with the **http** option enabled (for console or WebSocket access), the **port** attribute must be expressed numerically. Symbolic port names do not work with HTTP listeners.

  If a listener is configured as:

  ```
  listener {
      ...
      port: amqp
      http: yes
      ...
  }
  ```

  It should be changed to:

  ```
  listener {
      ...
      port: 5672
      http: yes
      ...
  }
  ```

Revised on 2020-01-08 21:06:01 UTC