Abstract

These release notes contain the latest information about new features, enhancements, fixes, and issues contained in the AMQ Online 1.6 on OpenShift Container Platform release.
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CHAPTER 1. AMQ ONLINE COMPONENT VERSIONS

AMQ Online 1.6 on OpenShift Container Platform is based on AMQ Broker 7.7 and AMQ Interconnect 1.9.
CHAPTER 2. NEW FEATURES

2.1. OPENSHIFT 4.5 DISCONNECTED INSTALLATION

You can perform a disconnected installation of AMQ Online when your OpenShift cluster is being used as a disconnected cluster on a restricted network.

For a disconnected installation, you obtain the required images and push them to your container registry locally. If you are using the Operator Lifecycle Manager (OLM) this means disabling the default sources used by the OperatorHub and creating local mirrors to install AMQ Online from local sources. For more information, see Using Operator Lifecycle Manager on restricted networks.
CHAPTER 3. ENHANCEMENTS

3.1. SPECIFYING A CONSUMER PRIORITY FOR OUTGOING FORWARDERS

For outgoing forwarders, you can assign a priority value to the consumer associated with the forwarder. This allows you to influence message routing within the AMQP network by favoring one link over another. For more information, see Address forwarding examples.

3.2. DEFINING A DLQ/EXPIRY QUEUE

You can define a dead letter queue (DLQ) and expiry queue to control the behavior of a queue or subscription when a receiver cannot successfully process a message and the system returns the message to the queue for redelivery. For more information, see Address message redelivery/dead letter example.
CHAPTER 4. TECHNOLOGY PREVIEW

The Internet of Things (IoT) connectivity and MQTT support in the standard address space, which were previously provided as Technology Preview features, are no longer included in AMQ Online.
CHAPTER 5. FIXED ISSUES

5.1. FIXED ISSUES FOR AMQ ONLINE 1.6

In addition to the fixed issues listed in this section, AMQ Online 1.6 includes all fixed issues from AMQ Online 1.5.1, 1.5.2, and 1.5.3. For details about the issues resolved in these AMQ Online patch releases, see AMQ Online 1.5.x Resolved Issues.

- **ENTMQMAAS-1558** - Agent uses deprecated APIs
  The Agent component made calls to a deprecated OpenShift API. This issue has been resolved.

- **ENTMQMAAS-2489** - Stale record from cache can lead to incomplete address space deletion
  Under certain conditions, the deletion of an address space resource could leave some Kubernetes resources behind. This issue has been resolved.

5.2. FIXED ISSUES FOR AMQ ONLINE 1.6.1

For additional details about the issues resolved in AMQ Online 1.6.1, see AMQ Online 1.6.x Resolved Issues.
CHAPTER 6. KNOWN ISSUES

- **ENTMQMAAS-1281** - Resources not deleted when uninstalling AMQ Online using OLM on OpenShift Container Platform 4.x
  
  **Workaround:** For the workaround about how to remove all resources when uninstalling AMQ Online using the Operator Lifecycle Manager (OLM), see [Removing remaining resources after uninstalling AMQ Online using the Operator Lifecycle Manager](#).

- **ENTMQMAAS-1799** - Possible to define duplicate addresses using router pattern-matching syntax
  
  When defining addresses in a standard address space instance, be aware that the following restrictions affect the composition of the `spec.address` field in the `address` resource.

  The router specifies both period (.) and forward slash (/) characters as address separator characters and that both characters are equivalent. In addition, the router infers a leading address separator character even if it is not explicitly included.

  Since AMQ Online does not encode these rules, care must be taken to avoid defining addresses that collide on the router network.

  **Workaround:** One way to avoid this collision is to follow these guidelines for defining addresses:

  - Use either a period or a forward slash in the addresses, but do not use both.
  - Do not begin addresses with an address separator character.

  For more information about address pattern matching on the router, see the Red Hat AMQ Interconnect documentation, [Address pattern matching](#).
CHAPTER 7. IMPORTANT LINKS

- Red Hat AMQ 7 Supported Configurations
- Red Hat AMQ 7 Component Details

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