

OPEN STANDARDS MESSAGING ACROSS ENVIRONMENTS WITH RED HAT JBOSS AMQ 7

DATASHEET

FLEXIBLE, MULTILANGUAGE CONNECTIVITY

Integrates systems to adapt to market demands and emerging technologies

GLOBAL ROUTING

Unrestricted redundancy through topology, with automatic rerouting when changes occur

MAXIMUM THROUGHPUT AND PERFORMANCE

Performance improvements from asynchronous architecture coupled with reactive client libraries

OPEN STANDARDS

Interoperability between other messaging clients and products, protecting against vendor lock-in

UNIFIED MESSAGING SOLUTION

Cost-effective, simplified integration between datacenter, cloud, mobile, and Internet of Things (IoT) environments



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PRODUCT OVERVIEW

With messaging, different applications can share data while each system remains protected from service interruptions or implementation changes. As a result, IT organizations can ensure systems have consistent data, supporting better business decisions.

Red Hat® JBoss® AMQ, an open source messaging platform, offers high performance, compatibility with International Organization for Standardization (ISO) protocols, and supports a wide range of clients. These innovative features make interoperating emerging technology and legacy systems easier, helping organizations take advantage of existing investments and free resources for new initiatives.

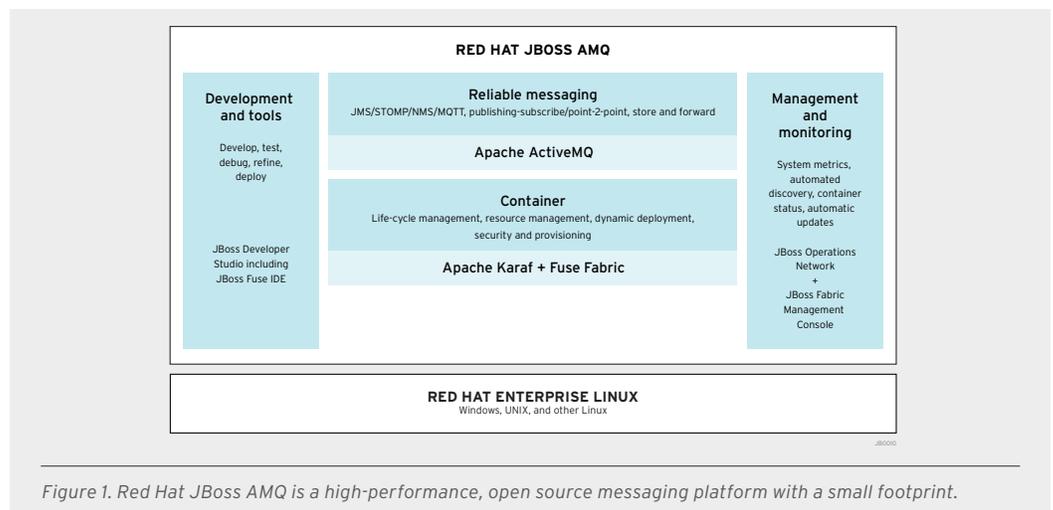


Figure 1. Red Hat JBoss AMQ is a high-performance, open source messaging platform with a small footprint.

SUPPORTED STANDARDS

- Java™ Message Service (JMS) 1.1 and 2.0
- Transmission Control Protocol (TCP)
- Secure Sockets Layer (SSL)
- User Datagram Protocol (UDP)
- Streaming Text Oriented Messaging Protocol (STOMP)
- Network management systems (NMS)
- MQ Telemetry Transport (MQTT)
- Advanced Message Queueing Protocol (AMQP) 1.0
- Multicast transport protocols

“In addition to reduced licensing costs, Red Hat JBoss AMQ delivered stability, scalability, and performance improvement.”

DUC DOAN
DIRECTOR, SYSTEM ENGINEERING,
E*TRADE¹

OPTIMIZE AND PROTECT INVESTMENTS WITH ROBUST OPEN SOURCE TECHNOLOGY

BRIDGE THE INTERNET OF THINGS

Red Hat JBoss AMQ delivers information reliably, safely, and securely between a variety of devices, systems, and applications. This flexible, modular messaging platform can be deployed and easily managed in multiple configurations to deploy a network of brokers across your infrastructure—whether on-premise, in cloud environments, or in a hybrid configuration.

With support for MQTT or AMQP, JBoss AMQ can offer access to data from thousands of embedded devices for inspection, analysis, and control.

With these capabilities, JBoss AMQ helps enterprises connect all assets to improve the efficiency of smart solutions, reduce risk, and lower costs.

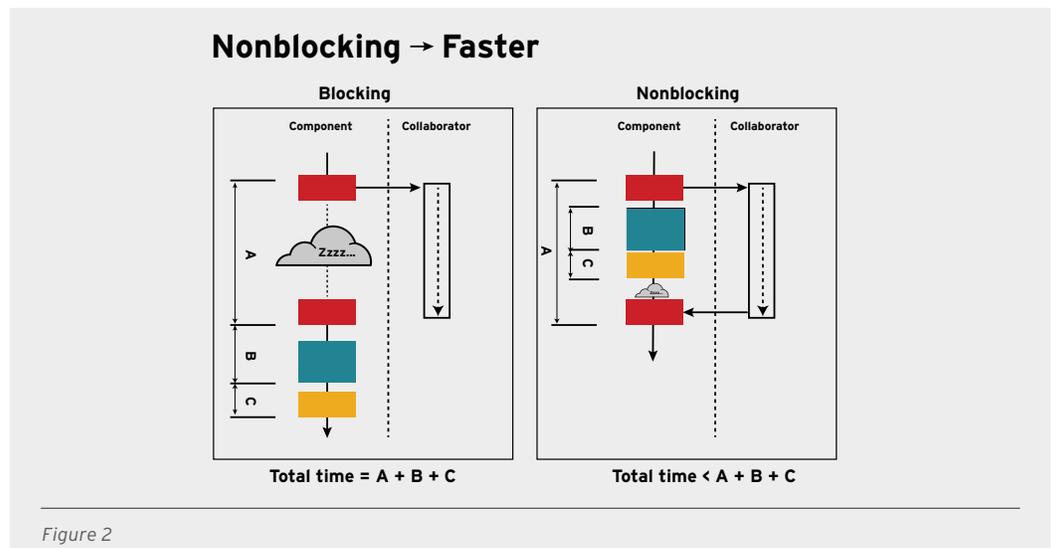
BUILD A SECURE, GLOBAL NETWORK

With the Interconnect router, Red Hat JBoss AMQ lets enterprises create an overlay network of messaging paths spanning datacenters, cloud services, and geographic zones.

This network offers redundant paths, with routers continually optimizing traffic for safe, reliable communication over security and virtual private network (VPN) boundaries. Redundancy is particularly useful for customers of public cloud providers. Routers can be distributed across cloud providers to automatically shift traffic from one provider to another if failure occurs. Large enterprises can use this technology to create standard payment gateways, send updates about transportation changes and incidents, and create global publish and subscribe feeds.

ENHANCE PERFORMANCE WITH REACTIVE TECHNOLOGY

Nonblocking, reactive listeners improve responsiveness and resource efficiency. This technology supports the creation of flexible, reliable messaging applications that are highly available and easy to manage.



¹ Red Hat. “E*TRADE Migrates to Red Hat JBoss A-MQ From Sonic MQ and IBM WebSphere.” 2014. <https://www.redhat.com/en/resources/etrade-migrates-red-hat-jboss-mq-sonic-mq-and-ibm-websphere>

RESOURCES

Download

The entire Red Hat JBoss Middleware portfolio is available at <https://developers.redhat.com/downloads/>

Learn

Webinars, tutorials, demos and other articles and resources are available at <https://developers.redhat.com/>

Contribute

Blog, join a user group, contribute code, or test upcoming releases at <http://activemq.apache.org/contributing.html>

TAKE ADVANTAGE OF RESOURCE ASSETS

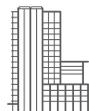
Extend messaging services to all of your development teams. Many applications that lack JBoss AMQ clients that support AMQP and MQTT can still develop and integrate with messaging services. As a result, a single messaging platform can be used across your enterprise.

BUILD A FOUNDATION FOR SUCCESS WITH LEADING ENTERPRISE SERVICES

To build its enterprise-ready messaging platform, Red Hat integrates community distributions' projects, puts them through rigorous quality assurance testing, and packages them for use by IT organizations.

Red Hat products are backed by training and consulting services that help IT organizations build applications, as well as annual subscriptions that offer access to Red Hat's resources and expertise throughout extended product life cycles. The Red Hat Customer Portal offers an expansive knowledgebase, certified partner and service provider ecosystem, security resources, and industry-leading technical support services for collaboration with peers and Red Hat experts.

With its employees, including many of the Apache Project Management Committee (PMC) chairs and project members—as well as more than 25 active Apache committers—Red Hat is ideally positioned to influence the direction of these products and offer experienced support for application integration projects.



ABOUT RED HAT

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.



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