IBM MQ Light V1.0 simplifies development of scalable and responsive applications on premise or in the cloud

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At a glance

IBM® MQ Light V1.0 delivers the following capabilities:

- Makes it easy for developers to incorporate messaging into their applications to ensure their applications are responsive and easy to scale.
- Includes an API that is available in a growing range of popular programming languages The API is easy to learn with only four simple concepts, yet is powerful supporting different qualities of service and message distribution patterns.
- Delivers an intuitive user interface to assist developers while they write their applications.
- Allows users to just unzip the IBM MQ Light package and use the launch script to start IBM MQ Light. There is no configuration or administration required before a developer can start writing their code to use IBM MQ Light.

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: YE001).

Overview

IBM MQ Light is designed to make it quick and easy to incorporate asynchronous messaging into your applications. IBM MQ Light is simple to unzip and get going, easy to get started with using the simple yet powerful API that is available in a growing range of programming languages. The user interface makes it easy for developers to understand how their application is behaving during development.

Applications, which are developed by using IBM MQ Light, can be deployed with IBM MQ Light or deployed in IBM Bluemix™ by using IBM MQ Light for Bluemix. IBM plans for them to be deployed using IBM MQ. For details on the previously published statement of direction, refer to 214-177, dated April 22, 2014.

Key prerequisites

Runs Linux™, and Microsoft™ Windows™. For details, refer to the Hardware requirements and Software requirements sections.

Planned availability date

September 26, 2014: Electronic delivery

Note: IBM MQ Light is available via electronic delivery only

Description

IBM MQ Light V1.0 makes it easy for developers to incorporate asynchronous messaging into their applications to help make them responsive and more scalable. Applications developed with IBM MQ Light can be deployed against a number of different IBM messaging offerings to give users the flexibility to choose the appropriate messaging server without having to re-write the application code. Applications can be deployed with IBM MQ Light for quick and simple deployments that give the user complete control. Applications can also be deployed into the IBM Bluemix Cloud by using the IBM MQ Light for Bluemix messaging service to take advantage of a completely managed cloud service. IBM plans for them to be deployed using IBM MQ. For details on the previously published statement of direction, refer to Software Announcement 214-177, dated April 22, 2014.

IBM MQ Light makes it easy to set up a development environment because developers can unzip IBM MQ Light to anywhere appropriate on their file system. There are no prerequisites. Users can be up and running instantly by using the single start script. For new users, there are examples and tutorials to demonstrate how applications can use messaging to easily scale and become more responsive. For existing users, once stated, there is no administration so they can write their application code.

The IBM MQ Light API makes constructing an application easy, and the growing range of languages supported allows developers to use the appropriate language for each component. IBM MQ Light delivers a common messaging model that connects all components together. The API that is based on the open AMQP1.0 standard makes it easy for users to extend the existing APIs or create new APIs in other programming languages.

The IBM MQ Light user interface provides a user with a comprehensive insight of not only what is happening within IBM MQ Light, but also what has previously happened and what applications are connected to it. This information is vital to help developers create loosely coupled applications by helping them understand what data is flowing and has previously flowed between components, as well as where each of the messages has been distributed.

Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

   http://www.ibm.com/able/product_accessibility/index.html

Section 508 of the US Rehabilitation Act

IBM MQ Light V1.0 is capable, when used in accordance with IBM documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it.

Product positioning

The IBM MQ family of messaging transports provides a messaging backbone with a range of capabilities for the enterprise, both intercompany and intracompany. The objective of the IBM MQ brand is to offer a comprehensive suite of seamless, interconnected transport protocols, and quality-of-service levels:

- IBM MQ Server, the core of application integration, is a highly effective messaging backbone for service-oriented architecture (SOA) connectivity, as the universal, multipurpose data transport. It connects virtually any commercial IT system, with support for more than 80 platform configurations. MQ includes a choice of APIs and interoperates with the Java™ Message Service (JMS) messaging services embedded in WebSphere® Application Server. This extends its reach to non-Java Enterprise Edition (JEE) environments. WebSphere MQ is a flexible and scalable connectivity solution that can grow incrementally with changing business needs.
- IBM MQ can be enhanced through additional capabilities delivered with the product. It provides managed file transfer and end-to-end message encryption and security, and access to mobile and remotely connected physical devices.

  - WebSphere MQ Managed File Transfer adds file-specific features to the WebSphere MQ transport. It delivers a managed file transfer solution that can enable the movement of files between IT systems with reliability and without the need for programming. This is available with additional entitlement or as a part of IBM MQ Advanced entitlement.
  - IBM MQ Advanced Message Security expands the security offered by IBM MQ with end-to-end data protection for applications and it can be deployed to existing production environments without changes to existing IBM MQ applications. IBM MQ Advanced Message Security is available with additional entitlement or as a part of IBM MQ Advanced entitlement.
  - IBM MQ Telemetry extends IBM MQ through clients using Message Queue Telemetry Transport (MQTT), which is a standard, lightweight connectivity protocol. This enables connected physical devices and mobile devices, which may be restricted by bandwidth and power consumption, to exchange information with IBM MQ. Included as a part of MQ Advanced entitlement, but it requires separate entitlement if no IBM MQ Advanced licenses are owned.

- IBM MQ Advanced can be purchased as a single part number to provide entitlement to IBM MQ, WebSphere MQ Managed File Transfer Service, IBM MQ Advanced Message Security, and IBM MQ Telemetry for deployment on distributed systems.
- WebSphere MQ for z/OS® exploits the platform-specific capabilities of the IBM System z® platform to deliver a messaging powerhouse.
- WebSphere MQ Advanced for z/OS can be purchased in one transaction for entitlement to WebSphere MQ File Transfer Edition for z/OS and WebSphere MQ Advanced Message Security for z/OS. It requires separate entitlement for WebSphere MQ for z/OS.

Program number

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Program
number       VRM       Program name

5725-P60     1.0       IBM MQ Light
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Publications

IBM MQ Light documentation is available from the IBM MQ Light website and in the IBM Knowledge Center. Tutorials are also available in the Web UI. The IBM Knowledge Center can be viewed from a web browser with Internet access.

The online version of the Knowledge Center is available at

> http://www.ibm.com/support/knowledgecenter/

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Technical information

Specified operating environment

Hardware requirements

For Linux: Linux for System x® (64-bit): AMD64, x86-64, and compatible processors

For Windows: x86-64 (also known as x64) technology-compatible PC hardware

Software requirements

Minimum software requirements

For Linux operating system

- Red Hat Enterprise Linux (RHEL) Server 6 Server Update 3 (x86-64)
- Ubuntu 12.04 LTS (x86-64)

For Windows operating system

- Windows Server 2008 Standard Edition (x86-64)
- Windows 7 SP1 Professional, (x86-64)

Supported web browsers

- Mozilla Firefox (24 or higher)
- Microsoft Internet Explorer (10 or higher)
- Google Chrome (34 or higher)
- Apple Safari (5.1 or higher)

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a readme file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

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Planning information

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Packaging

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Security, auditability, and control

MQ uses the security and auditability features of the host software.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

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Product group: WebSphere

Product category: MQSeries
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Product identifier description	PID number
IBM MQ Light	5725-P60

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Description	Part number
IBM MQ Light	
Per Install	
License and SW S&S 12 Months	D1A5ALL
Annual SW S&S Renewal	E0KBBLL
SW S&S Reinstatement 12 Months	D1A5BLL

Note: IBM MQ Light V1.0 is available through download only.

The described product is only available through web download from Passport Advantage.

Charge metric

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                     Part number or
Program name         PID number            Charge metric

IBM MQ Light         5725-P60              Per Install
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Install

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