



Software Group

GSF
Groupe de Travail MQ
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Agenda

- Announces
- Goodies
- Bug alerts



MQ 7.0.1 beta – recherche des candidats

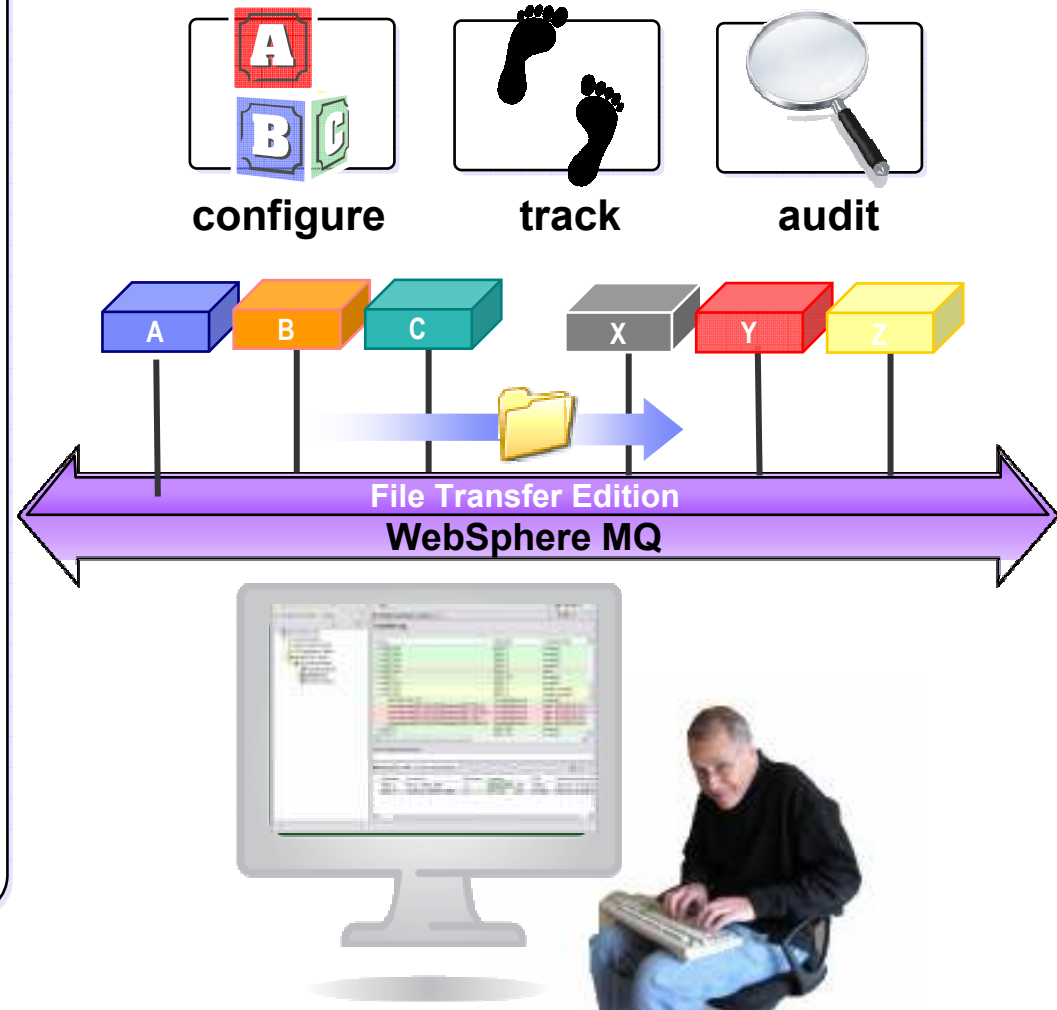
- The three major features of the release have different software platform requirements.
 - Lifting of a number of current constraints for z/OS customers relating to exploitation of 64 bit features
 - ✓ Clearly requires a z/OS platform.
 - Support of the version 7 XMS and WCF for .NET customers.
 - ✓ Runs on windows platforms only.
 - A software based high availability solution for customers on distributed platforms
- During the beta will first be available on unix platforms (certainly linux 86 and others) and then made available on Windows in a later driver.

Introducing WebSphere MQ/FTE (File Transfer Edition)

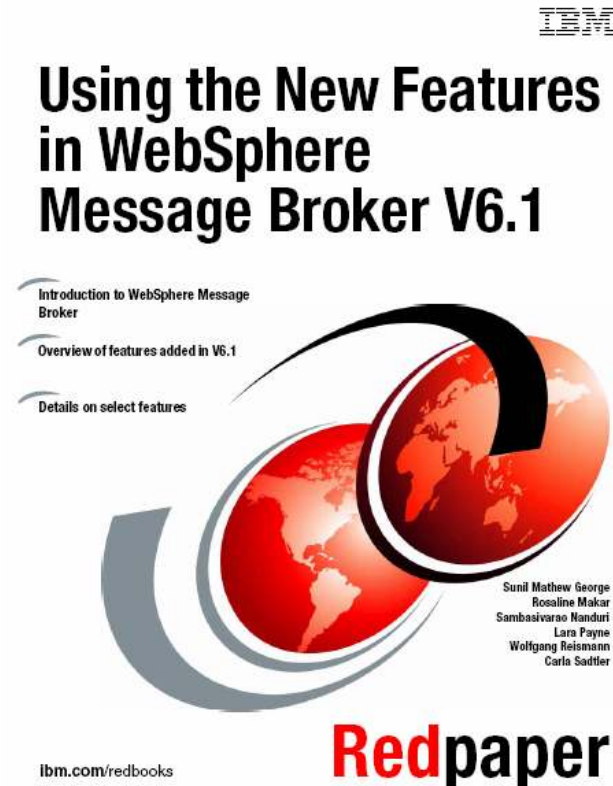
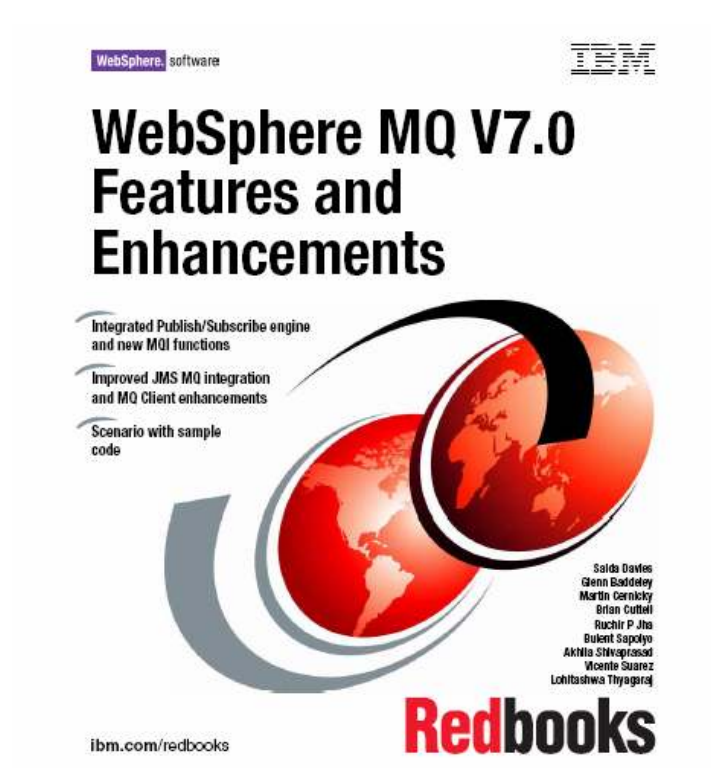
GA December 5, 2008 (Distributed)

GA December 12 2008 (z/OS)

- ✓ Flexible backbone for transfers – not a single-hop solution like FTP
- ✓ Reliability leveraging the MQ transport
- ✓ Multi-purpose – use for messages and files
- ✓ Centralized monitoring and management
- ✓ Auditable with logging subsystem that tracks transfer at source and at destination for audit purposes
- ✓ Massive files – larger than MQ messages
- ✓ Integration with MQ-enabled apps and ESBs
- ✓ Simple graphical tooling enabling remote transfer invocation
- ✓ Flexibility with line-mode, API or message-driven invocation
- ✓ Automatic file conversion and compression
- ✓ Security of file payload using SSL
- ✓ Support for major platforms, including z/OS native file support (eg. QSAM, PDS, GDG..)



Red-reading....



- SG24-7583 WebSphere MQ Features and Enhancements
- REDP4458 Using the New Features in WebSphere Message Broker V6.1

Voir <http://www.redbooks.ibm.com/>

Message Broker 6.1.0.3 Overview

**Hot news! FP3
available now!**

▪ Simplicity and Productivity

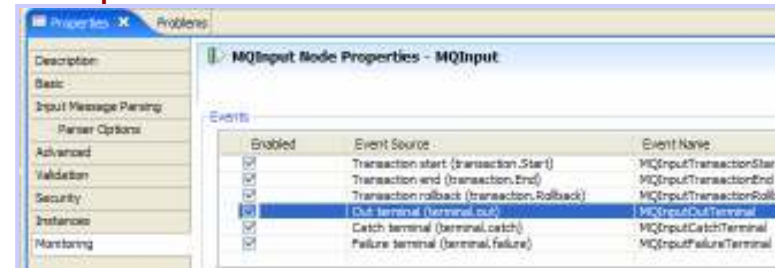
- Mapping enhancements: Extra library functions, read-only database view mapping, auto-map
- Unit Test Client usability enhancements

▪ Universal Connectivity for SOA

- IMS request node using the IMS TM Resource Adapter
- PHP node for dynamic scripting
- Retail enhancements for TLOG processing

▪ Dynamic Operational Management

- Service Trace enhancements
- Simple business monitoring (integration with WebSphere Business Monitor)
 - ✓ Non-intrusive, configurable payload



▪ Platforms, Environments and Performance

- MQ 7.0 support
- Full MQPCF support including MQADMIN and MQEVENT
- ODBC Unicode support

IMS Node for Message Broker



▪ IMS Request node

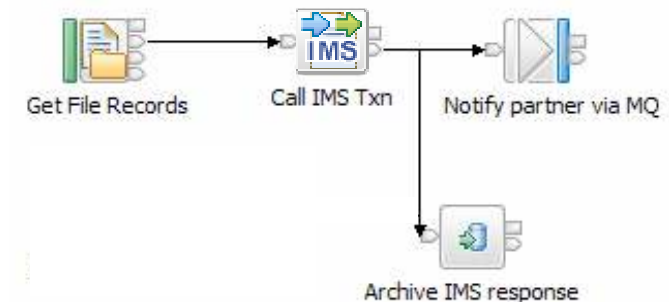
- Allows message flows to call IMS transactions and handle responses
- Typical scenarios include Web Service->IMS, File->IMS, SAP->IMS...
- Provides high performance, synchronous, multi-platform access to IMS
- Complements MQ IMS Bridge and IMS Web Services currently accessible via MB

▪ Synchronous invocation of IMS transactions and commands

- Supports a broad range of IMS facilities
 - ✓ MPP, BMP and Fast Path transaction regions
 - ✓ Commit mode 0, 1
 - ✓ SyncLevel NONE, CONFIRM
 - ✓ Single and multi segment IMS messages

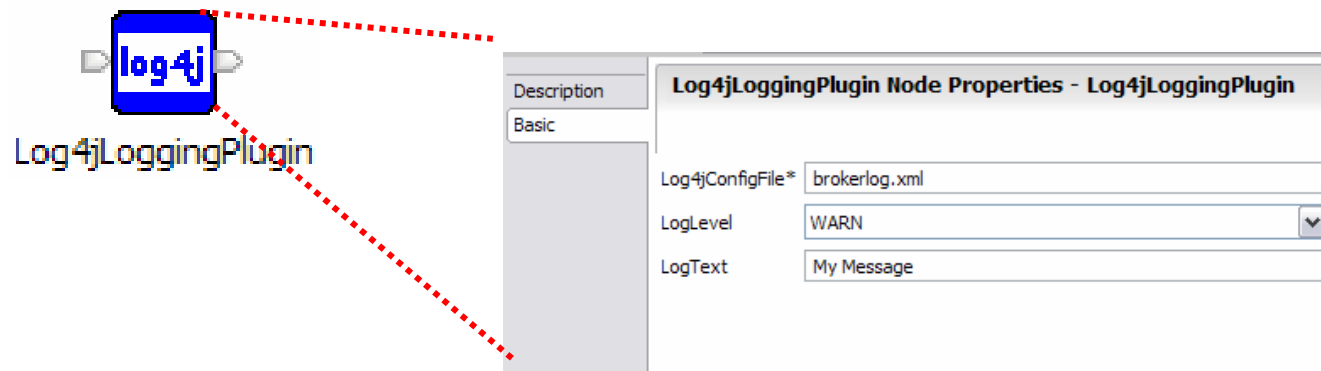
▪ Exploits IMS TM Resource Adapter

- Delivered built into MB, no extra cost/install/customization required
 - ✓ IMS Connect is required
- Configurable Services allow operational control of IMS connection configuration



WMB SupportPak IAM3 - LOG4J Node

- Download depuis <http://www-01.ibm.com/support/docview.wss?uid=swg24021221>
- LOG4J – framework Apache pour journaliser les messages ; partie de Apache Software Foundation
- Niveau de journal paramétrable
- Sorties multiples (fichiers, journal système, console....)



The Apache Software Foundation
Meritocracy in Action.



MQ0T SupportPac MQ Explorer

- Enfin.... Le MQ Explorer en tant que SupportPac
- http://www.ibm.com/support/docview.wss?rs=171&uid=swg24021041&loc=en_US&cs=utf-8&lang=en

The screenshot shows a Microsoft Internet Explorer browser window displaying the IBM SupportPac page for MS0T: WebSphere MQ Explorer. The page layout includes a navigation menu on the left with categories like 'Support & downloads', 'Features and benefits', and 'System requirements'. The main content area is titled 'MS0T: WebSphere MQ Explorer' and contains sections for 'Downloadable files', 'Abstract', 'Download Description', 'Possible Uses', and 'Details'. The 'Abstract' section states: 'This SupportPac™ provides the WebSphere® MQ Explorer and the required level of the WebSphere Eclipse Platform.' The 'Download Description' section describes the tool as a graphical configuration tool for remotely exploring and configuring WebSphere MQ objects and resources. The 'Possible Uses' section notes that the tool can connect to queue managers on any supported platform. The 'Details' section lists the author as WebSphere MQ, Hursley, UK, and the current version as 7.0.0.1. A 'NOTE' indicates that the SupportPac will be updated to include Linux during 1H09. On the right side, there is a 'Document Information' panel showing product categories (Software, Business Integration, Application Integration and Connectivity), operating system (Windows), and software version (7.0.0.1). A 'Translate My Page' section at the bottom right offers a language selection dropdown and a 'Translate' button.

MA96 MQ Message Browser

- SupportPac pour les plates-formes distribuées
- Outil "line-mode"

```

▪ |> Version : 2
▪ |> Report : (none)
▪ |> MsgType : REQUEST
▪ |> Expiry : -1
▪ |> Feedback : 0
▪ |> Encoding : 273 INTEGER_NORMAL / DECIMAL_NORMAL / FLOAT_IEEE_NORMAL
▪ |> CodedCharSetId : 819 (ISO 8859-1 ASCII)
▪ |> Format : MQHRF2 (Rules and formatting header 2)
▪ |> Priority : 4
▪ |> Persistence : PERSISTENT
▪ |> MsgId : 414D5120 514D5F63 61726C74 36312020 AD739049
▪ |> CorrelId : (null)
▪ |> BackoutCount : 0
▪ |> ReplyToQ : From.IMSQ
▪ |> ReplyToQMgr : QM_carlt61
▪ |> UserIdentifier : cfarkas
▪ |> AccountingToken : 16010515 00000033 268EE30C F2B9293B 6CD125F4
[.....3&Zã.ò¹);lÑ%ò.....]
▪ |> ApplIdentityData :
▪ |> PutApplType : Windows
▪ |> PutApplName : C:\WINDOWS\system32\java.exe
▪ |> PutDate : 20090209
▪ |> PutTime : 20242406
▪ |> ApplOriginData :
▪ |> --- MD version 2-----
▪ |> GroupId : (null)
▪ |> MsgSeqNumber : 1
▪ |> Offset : 0
▪ |> MsgFlags : (none)
▪ |> OriginalLength : -1

▪ DataLength:315
▪ Buffer:(315=x13B bytes)
▪ 00000000:52464820 00000002 00000008 00000111 [RFH .....È....]
▪ 00000010:000004B8 4D51494D 53202020 00000000 [...,MQIMS ....]
▪ 00000020:000004B8 00000020 3C6D6364 3E3C4D73 [...<mc><Msd]
▪ 00000030:643E6A6D 735F6279 7465733C 2F4D7364 [d>jms_bytes</Msd]
▪ 00000040:3E3C2F6D 63643E20 0000007C 3C6A6D73 [></mc> ...|<jms]
▪ 00000050:3E3C4473 743E7175 6575653A 2F2F514D [><Dst>queue://QM]
▪ 00000060:5F636172 6C743631 2F546F2E 494D5351 [ _carlt61/To.IMSQ]
▪ 00000070:3C2F4473 743E3C52 746F3E71 75657565 [</Dst><Rto>queue]
▪ 00000080:3A2F2F51 4D5F6361 726C7436 312F4672 [ ://QM_carlt61/Fr]
▪ 00000090:6F6D2E49 4D53513C 2F52746F 3E3C546D [om.IMSQ</Rto><Tm]
▪ 000000A0:733E3132 33343231 31303634 3034363C [s>1234211064046<]
▪ 000000B0:2F546D73 3E3C446C 763E323C 2F446C76 [ /Tms><Dlv>2</Dlv]
▪ 000000C0:3E3C2F6A 6D733E20 49494820 00000001 [></jms> I IH ....]
▪ 000000D0:00000054 00000000 00000000 4D51494D [ ...T.....MQIM]
▪ 000000E0:53565320 00000000 46323830 20202020 [SVS ....F280 ]
▪ 000000F0:20202020 20202020 4D51494D 53565320 [ MQIMSVS ]
▪ 00000100:20202020 20202020 30303030 30303030 [ 00000000]
▪ 00000110:30303030 30303030 20304320 001F0000 [00000000 0C ....]
▪ 00000120:4956544E 56202020 20204449 53504C41 [IVTNV DISPLA]
▪ 00000130:59205749 4C4B494E 534F4E [Y WILKINSON]

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Exemples MQ code

- Plein de code (source !) MQ – C, C++, PL/I, Rexx, Java, Perl, etc.
- http://www.capitalware.biz/mq_code_java.html

The screenshot shows a Microsoft Internet Explorer browser window displaying the Capitalware website. The page title is "Capitalware's Sample WebSphere MQ Java Code Page". The address bar shows the URL http://www.capitalware.biz/mq_code_java.html. The page features the Capitalware logo and a navigation menu with links for Home, Products, Services, Support, About Us, and WebSphere MQ. Below the navigation, there is a breadcrumb trail: Home » WebSphere MQ Info Center » Sample WebSphere MQ Java Code. The main content area is titled "WebSphere MQ Code Index" and lists various code samples for different programming languages: Assembly (z/OS), C, C++, C#, Java, Jython, PLI, Rexx, C, C++, CORBA, Java/IMS, Perl, Python, and Visual Basic. A Java logo is also present. Below the index, there is a section titled "WebSphere MQ Java Code Samples" which contains a table of sample programs.

File	Size	Date	Description
amqsbccg	0.01	2003/06	amqsbccg is a sample Java program to illustrate how to browse message contents and descriptor. Source code included. Freeware. Author: IBM.
Backout	0.01	2002/06	Backout demonstrates how to backout a poison message in Java. Source code included. Freeware. Author: IBM.
DumpBroker	0.01	2002/06	DumpBroker is a sample Java program to show how pcf messages can be sent to the MQSeries Pub/Sub broker (SupportPac m01c) query the active list of subscriptions. Source code included. Freeware. Author: IBM.
GetGroup	0.01	2002/06	GetGroup is a sample Java program that demonstrates getting messages that are in a message group. Source code included. Freeware. Author: IBM.

WAS avec MQ – quelle version avec quelle version ?

- <http://www.ibm.com/support/docview.wss?uid=swg21316899>
- Pas très clair (IMHO), mais des bonnes infos quand même

The screenshot shows a web browser window displaying the IBM support page for the WebSphere MQ messaging provider for WebSphere Application Server Version 7.0. The page title is "Information about using the WebSphere MQ messaging provider for WebSphere Application Server Version 7.0". The page content includes an abstract, a content section, and a section titled "JMS Connections from WebSphere Application Server to WebSphere MQ". The abstract states: "IBM WebSphere MQ and IBM WebSphere MQ for z/OS can be used with, or as an alternative to, the default messaging provider that is included with WebSphere Application Server Version 7." The content section states: "Before looking at the levels of WebSphere MQ that can be used with WebSphere Application Server Version 7, it is important to understand how Java™ Message Service (JMS) applications running inside the application server can connect to WebSphere MQ queue managers." The "JMS Connections from WebSphere Application Server to WebSphere MQ" section states: "JMS applications that wish to access the resources of a WebSphere MQ queue manager can do so using one of the following transport types:" and lists two transport types: "BINDINGS" and "CLIENT". The "BINDINGS" transport type is described as: "This transport can be used when the application server and the queue manager are installed on the same machine and operating system image. When using BINDINGS mode, all of the communication between the two products is done using Inter-Process Communication (IPC)." The "CLIENT" transport type is described as: "The Client transport uses TCP/IP to communicate between WebSphere Application Server and WebSphere MQ. As well as being used when the application server and queue manager are located on different machines, CLIENT mode can also be used when the two products are installed on the same machine and operating system image." The page also includes a "Document information" sidebar with details such as Product categories (Software, Business, Integration, Application, Integration and Connectivity, WebSphere MQ, Java), Operating system(s) (AIX, HP-UX, Linux, Solaris, Windows, z/OS), Software version (6.0, 6.0.1, 6.0.1.1, 6.0.2, 6.0.2.1, 6.0.2.2, 6.0.2.3, 6.0.2.4, 7.0), Reference # (1316899), IBM Group (Software Group), and Modified date (2008-09-11). The page also features a search bar, a navigation menu, and a footer with the text "© 2006 IBM Corporation p12".

Bug alert: MQ Circular Log integrity fix

- Problème potentiel avec le journal MQ !
- Voir <http://www.ibm.com/support/docview.wss?uid=swg21375605>

IBM - Potential WebSphere MQ data integrity issue on V6.0 and V7.0 distributed queue managers - Microsoft

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://www-01.ibm.com/support/docview.wss?uid=swg21375605>

IBM

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Feedback

Potential WebSphere MQ data integrity issue on V6.0 and V7.0 distributed queue managers

Flash (Alert)

Abstract
Potential data integrity issue following an unexpected machine outage, such as a crash or power loss.

Content
Data integrity might be affected on WebSphere MQ versions 6.0 and 7.0 following an unexpected system outage such as a crash or power loss.

See APAR IC60063 for details of the problem and links to IBM supplied interim fixes for all maintenance levels shipped over the last 15 months. IBM recommends customers upgrade to fix packs 6.0.2.6 or 7.0.0.2 once available, or alternatively apply one of the fixes for this problem.

Related information
[APAR IC60063](#)
[Associated Fixes](#)

Web confs pour Guide ??