

Guide MQ du 28 Mars 2017



IBM France

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Agenda

- News du monde MQ
- Nouveautés MQ 9.0.2
- Nouveautés IIB
- Administration MQ & outils Open Source
- Tour de table
- Prochaines réunions et sujets 2017

News MQ / IIB

- IBM MQ 9.0.2 CD (Dist / z / Appliance)
- MQ-CPH Performance Harness
- MO71 version 9.0.3
- MQTT Message viewer beta

MQ-CPH Performance Harness

- Simulateur de charge MQ
- Basé sur JMSPerfHarness tool
- Disponibles sur Github
 - <https://github.com/ibm-messaging/mq-cph>
 - <https://github.com/ot4i/perf-harness>
- Documentation :

https://www.ibm.com/developerworks/community/blogs/messaging/entry/MQ_C_Performance_Harness_Released_on_GitHub

MQ-CPH Performance Harness Released on GitHub

Paul Harris | Mar 24 | Visits (243) 

We're pleased to announce the release of the MQ-CPH Performance Harness on GitHub, which you can find here:

<https://github.com/ibm-messaging/mq-cph>



What Is It?

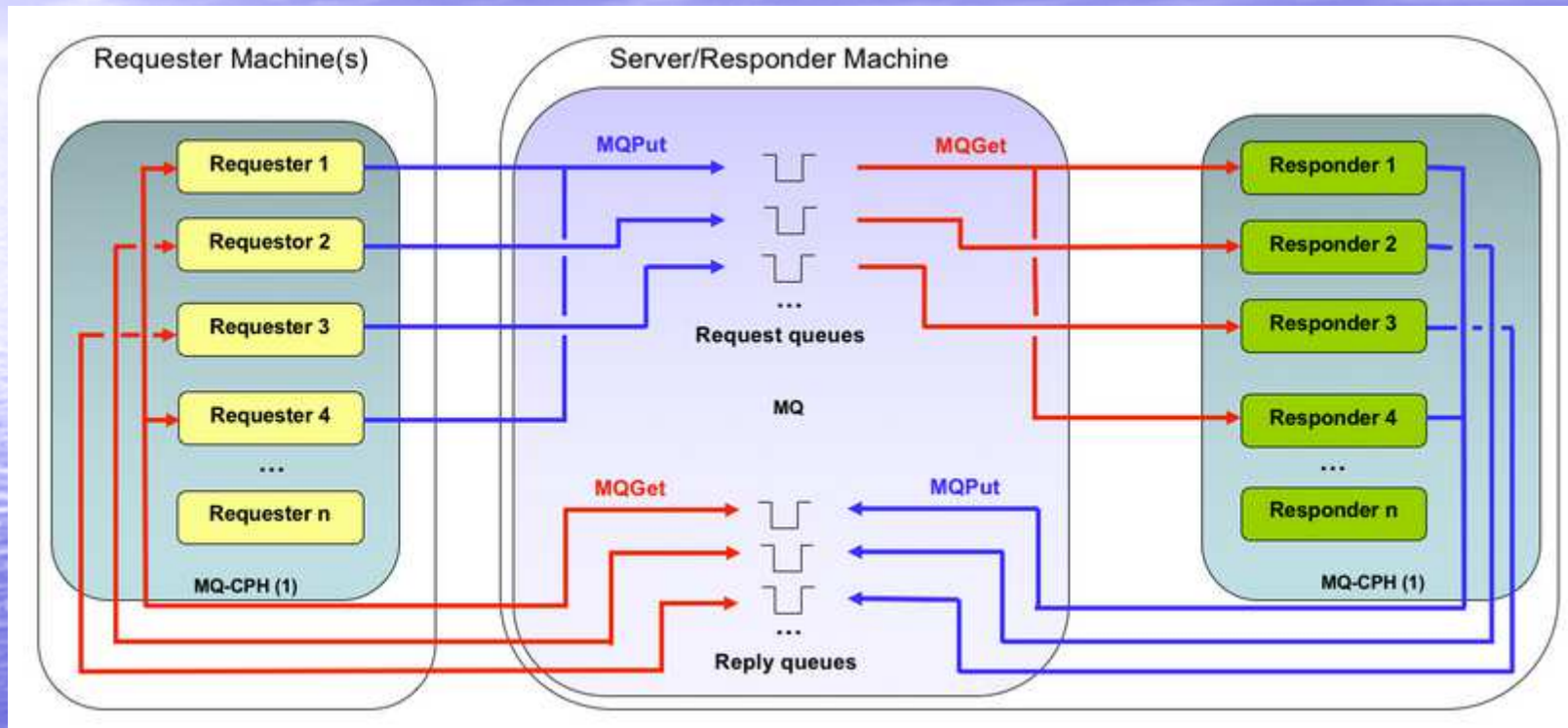
The MQ-CPH Performance Harness (hereafter referred to as MQ-CPH), is a native MQI interface (C/C++), performance test tool, based largely on the function and externals of the JMSPerfHarness tool (also on GitHub at <https://github.com/ot4i/perf-harness>). It provides an extensive set of performance messaging functionality, as well as many other features such as throttled operation (a fixed rate and/or number of messages), multiple destinations and live performance reporting. It is one of the many tools used by the IBM MQ performance team at Hursley, for tests ranging from a single client to more than 10,000 clients.

What Types of Application Can be Simulated?

Each MQ-CPH process can start 1-n worker threads of the same type (module). The types of module that a worker that can specify are:

1. **Sender** : Sends messages to a named queue destination.
2. **Receiver** : Receives messages from a named queue destination. This can be used in conjunction with the Sender module.
3. **PutGet** : Sends a message to queue then retrieves the same message (using CorrelationId).
4. **Requestor** : Sends a message to a queue then waits for a corresponding reply (using CorrelationId) on a second queue.
5. **Responder** : Waits for a message on a queue then replies to it on another queue. This can be used in conjunction with the Requestor module.
6. **Publisher** : Sends messages to a named topic destination.
7. **Subscriber** : Subscribes and receives messages from a named topic. This can be used in conjunction with the Publisher module.

MQ-CPH Performance Harness



MO71 version version 9.0.3

- GUI d'administration MQ
- Windows ou Intel Linux
- Développé par MQ Gem
- Nouveautés MO71 v903 :
 - Command Level 902 Support
 - Export of AUTHREC in MQSC format
 - API Exerciser enhancements
 - Hostname display
 - New Default Max. Column preference option
 - Add support for redistributable client data path location

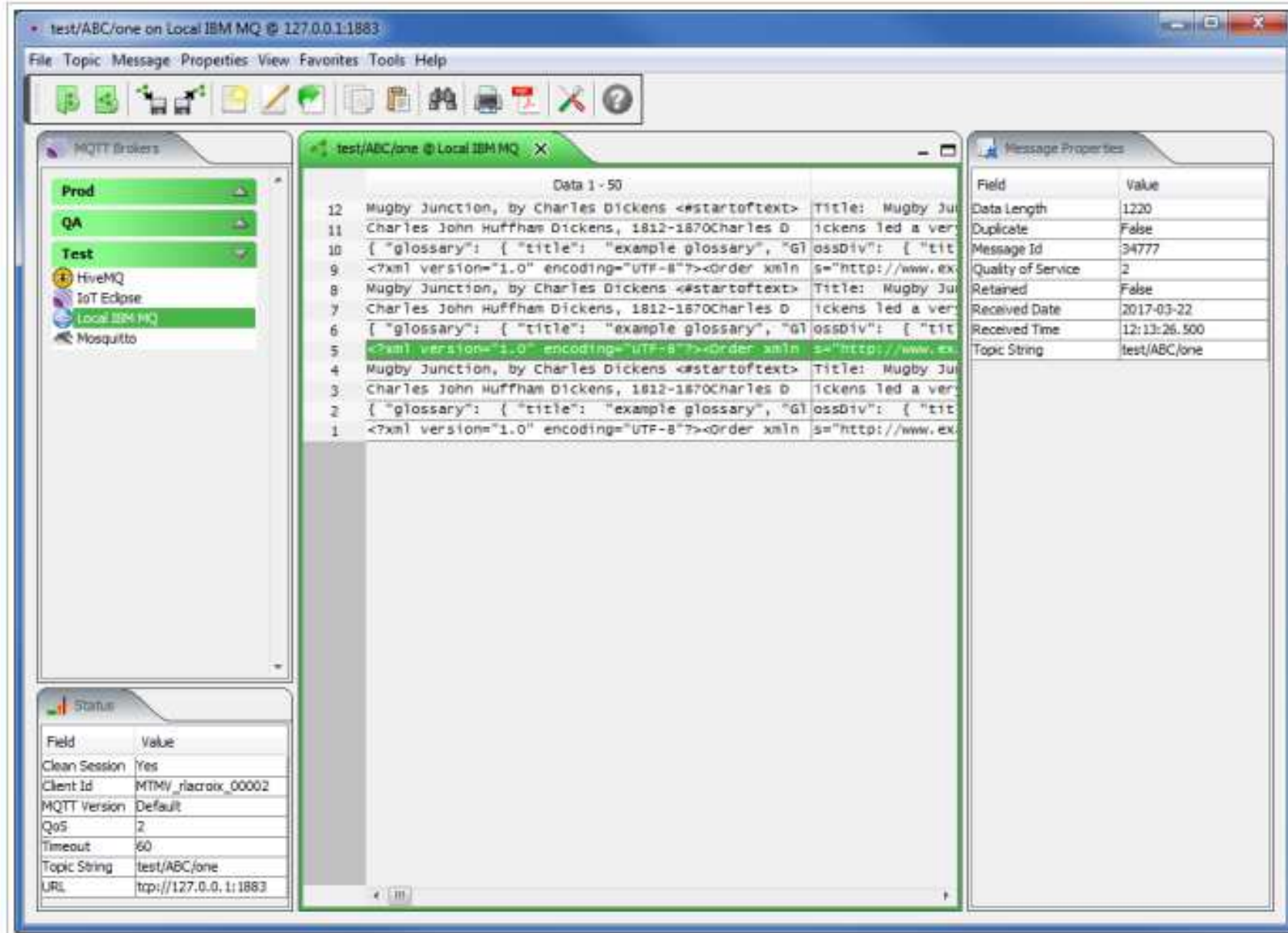
Beta testers needed for MQTT Message Viewer

- http://www.capitalware.com/rl_blog/?p=4244

MQTT Message Viewer (MTMV) is an MQTT (MQ Telemetry Transport) client that connects to an MQTT Broker. MQTT is a machine-to-machine (M2M)/Internet of Things (IoT) connectivity protocol. MTMV supports MQTT 3.1 and 3.1.1 protocol versions.

MTMV allows users to view, manipulate and manage messages of a topic from a MQTT Broker and presents the data in a simplified format similar to a database utility or spreadsheet program.

MQTT Message Viewer is able to connect to any remote MQTT Broker. The remote MQTT Broker can be on any platform. The following is a sample of the MQTT Brokers that MTMV can connect to: 2lemetry, Apache ActiveMQ, Apache Apollo, EMQ, GnatMQ, HBMQTT, HiveMQ, IBM MessageSight, IBM MQ, JoramMQ, Moquette, Mosquitto, MQTT.js, RabbitMQ, RSMB, Software AG Universal Messaging, Solace, ThingMQ and VerneMQ.



test/ABC/one on Local IBM MQ @ 127.0.0.1:1883

File Topic Message Properties View Favorites Tools Help

MQTT Brokers

- Prod
- QA
- Test
- HiveMQ
- IoT Edge
- Local IBM MQ
- Mosquitto

Status

Field	Value
Clean Session	Yes
Client Id	MTM/racirox_00002
MQTT Version	Default
QoS	2
Timeout	60
Topic String	test/ABC/one
URL	tcp://127.0.0.1:1883

test/ABC/one @ Local IBM MQ X

Data 1 - 50

Line	Message	Title
12	Mugby Junction, by Charles Dickens <#startoftext>	Title: Mugby Junction
11	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a ver
10	["glossary": { "title": "example glossary", "G	ossDiv": { "tit
9	<?xml version="1.0" encoding="UTF-8"?><Order xmln	s="http://www.ex
8	Mugby Junction, by Charles Dickens <#startoftext>	Title: Mugby Junction
7	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a ver
6	["glossary": { "title": "example glossary", "G	ossDiv": { "tit
5	<?xml version="1.0" encoding="UTF-8"?><Order xmln	s="http://www.ex
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2	["glossary": { "title": "example glossary", "G	ossDiv": { "tit
1	<?xml version="1.0" encoding="UTF-8"?><Order xmln	s="http://www.ex

Message Properties

Field	Value
Data Length	1220
Duplicate	False
Message Id	34777
Quality of Service	2
Retained	False
Received Date	2017-03-22
Received Time	12:13:26.500
Topic String	test/ABC/one

Correctifs / Support

MQ 9.0 CD	Version 9.0.2 disponible	
MQ 9.0 LTSR	Version 9.0.0.0 disponible Fix Pack 9.0.0.1 prévu 1Q 2017	
MQ 8.0	Fix Pack 8.0.0.6 disponible (01/2017) Fix Pack 8.0.0.7 prévu 2Q 2017	
WMQ 7.5	Fix Pack 7.5.0.7 disponible (09/2016) Fix Pack 7.5.0.8 prévu 2Q 2017	EOS : 04/2018
WMQ 7.1	Fix Pack 7.1.0.8 disponible (01/2017) Fix Pack 7.1.0.9 prévu 3Q 2017	EOS : 04/2017
WMQ 7.0	Fix Pack 7.0.1.14 disponible (09/2016)	EOS
IIB 10.0	Fix Pack 10.0.0.8 disponible (03/2017) Fix Pack 10.0.0.9 prévu 2Q 2017	
IIB 9.0	Fix Pack 9.0.0.7 disponible (01/2017) Fix Pack 9.0.0.8 prévu 2Q 2017	
WMB 8.0	Fix Pack 8.0.0.8 disponible (11/2016) Fix Pack 8.0.0.9 prévu 2Q 2017	EOS : 04/2017
WMB 7.0	Fix Pack 7.0.0.8 disponible (11/2015) Fix Pack 7.0.0.9 non planifié	EOS

IBM MQ SupportPacs

No.	Name	Cat	Initial Release	Last Release	New/ Updated
<u>MH06</u>	WebSphere MQ - Distributed Trace Tools	4	26Nov13	28Feb17	Updated
<u>MQC8</u>	WebSphere MQ V8.0 Clients	3	23May14	31Jan17	Updated
<u>MQC71</u>	WebSphere MQ V7.1 Clients	3	28Nov11	19Jan17	Updated

Category:

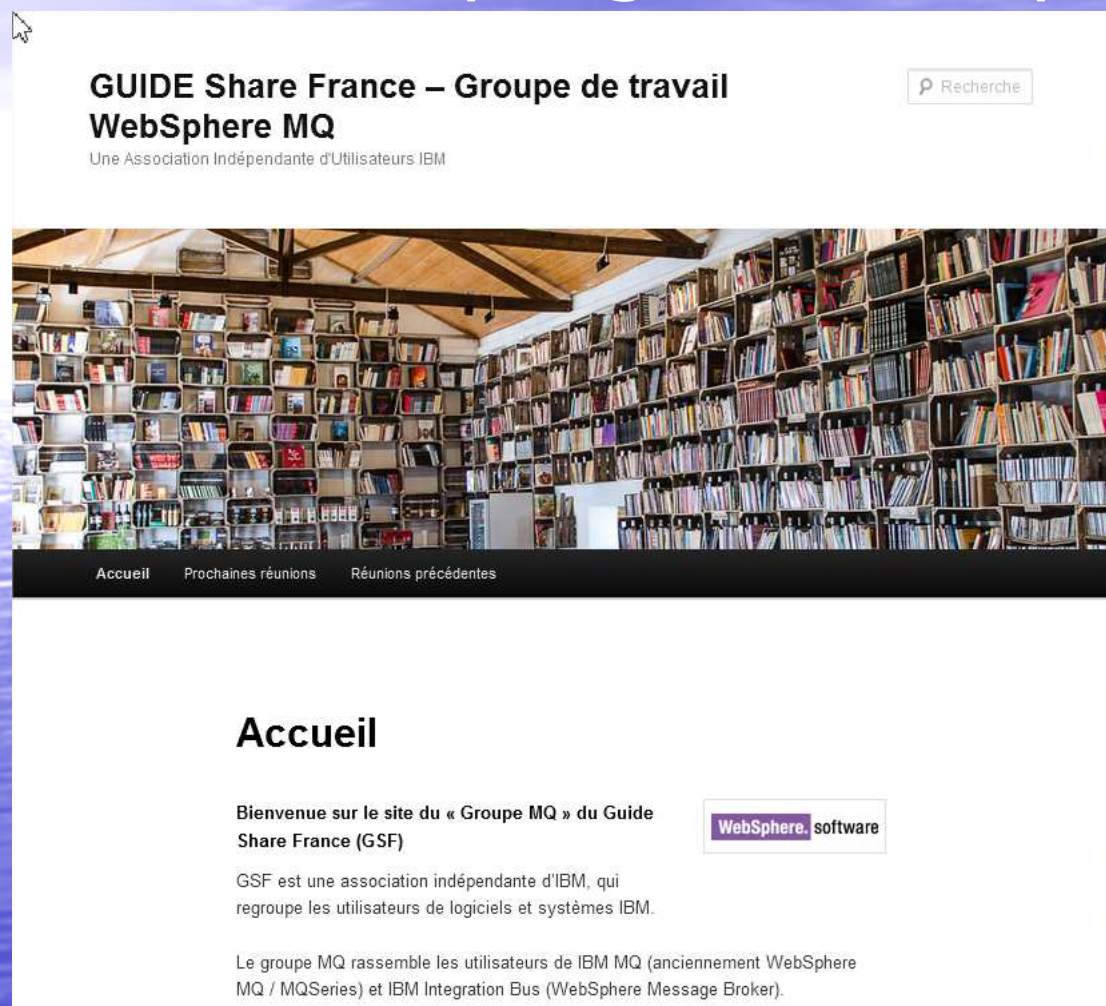
- Category 1 - Fee based services
- Category 2 - Unwarranted ("as-is") material
- Category 2 - Performance Reports
- Category 3 - Product extensions
- Category 4 - Third party contributions

Prochaines réunions - Planning 2017

- 13/06/2017
 - Lieu : SILCA Saint Quentin en Yvelines
 - Sujet : AMS, Sécurité MQ
- 12/09/2017
 - Lieu : BNP CIB
 - Sujet : Haute Dispo MQ & Appliance
- 28/11/2017
 - Lieu : TdB
 - Sujet : MFT, ...

Guide Share Group MQ

<http://guide.webspheremq.fr/>



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