

MQ Freebies!

Top 5 MQ SupportPacs

S9515

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SupportPacs

- **Wide Range of offerings**
 - Tools, utilities and componentry
 - Code examples and product extensions
 - Performance reports
 - Capacity planning guides
- **May help to.....**
 - Provide solutions to common situations
 - Give education and guidance
 - Extend the MQ environment

Offerings



- Downloadable from website
 - www-306.ibm.com/software/integration/support/supportpacs
- Availability
 - >300 SupportPacs available
 - >250 are provided free of charge
 - ~50 are formally support by IBM
- Traffic last year....
 - Over 1 million web page 'hits'
 - 150,000 SupportPac downloads
 - ~15 new/revised offerings available each month



Support



- What support is offered ?
 - Category 4
 - No IBM support is offered. Submissions from third party suppliers
 - Category 3
 - An 'End of Service' date is published, prior to this date expiring formal support can be obtained through IBM channels
 - Category 2
 - Provided 'as-is'. Often employee written.
Support given by author and communities such as forums
 - Category 1
 - Support is the same as standard IBM Support.
 - Used for product extensions
 - Note individual terms on page



Top 10 Downloads for 2010



- The top 10 downloaded SupportPacs are :-

IH03	WBI Broker Message Display, test and performance utilities
MS03	WebSphere MQ – Save Queue Manager object definitions
MO71	WebSphere MQ for Windows – GUI Administrator
MO03	WebSphere MQ – Queue Load/Unload Utility
MA01	WebSphere MQ – Q program
MA96	WebSphere MQ – Message Browser
ME01	WebSphere MQ – Initial Context Factory
MA0T	WebSphere MQ – Message test Utility
MO72	MQSC client for WebSphere MQ
MH04	WebSphere MQ – Queue Statistics Tool

..... In Orlando
2011

IHO3

WebSphere Broker Message Display, Test, Performance Utility



- Provides message manipulation in a GUI
 - Put/Get/Browse a Queue
 - Message Display including a variety of formats
 - Character
 - Hex
 - XML
 - Parsed
 - COBOL
 - Display/Update Message Descriptor
 - Read/Write to files
 - Drive broker workload from a file
- Windows, Solaris, Tandem, AIX, OS/390, Linux, OS/400
 - Source included for utilities
- Category 2



IHO3

WebSphere Broker Message Display, Test, Performance Utility



The screenshot shows the RfhUtil V7.0.2 application window. It features a menu bar (File, Edit, Search, Read, Write, View, Ids, MQ, Help) and a tabbed interface with tabs for Main, Data, MQMD, PS, User Prop, RFH, PubSub, pscr, jms, usr, other, CICS, IMS, and DLQ. The 'Main' tab is active, displaying various configuration fields and buttons. Fields include 'Queue Manager Name (to connect to)' (set to NTPGC1), 'Queue Name' (set to Q2), 'Queue Type', 'Queue depth', 'Remote Queue Manager Name (remote queues only)', and 'Selector'. Buttons include 'Move Q', 'Save Q', 'Purge Q', 'Load Q', 'Display Q', 'Read Q', 'Write Q', 'Browse Q', 'Start Browse', 'Browse Next', 'Browse Prev', 'End Browse', 'Close Q', 'Open File', 'Save File', 'Clear Data', 'Clear All', 'Load Names', 'Set Conn Id', and 'Exit'. There are also sections for 'File Code Page' (set to 437), 'File Name', 'Data Size', 'User Props' (radio buttons for As Queue, None, Yes, RFH2, Compat), 'Cluster Open' (radio buttons for As Queue, Bind Open, Not Fixed), and 'Put/Get Options' (checkboxes for New Msg Id, New Correl Id, Get by Msg Id, Logical Order, Get by Correl Id, Complete Msg, Get by Group Id, All Avail, Set Id Context, Convert, Set All Context, Alternate User Id).



MS03

WebSphere MQ – Save Queue Manager object definitions



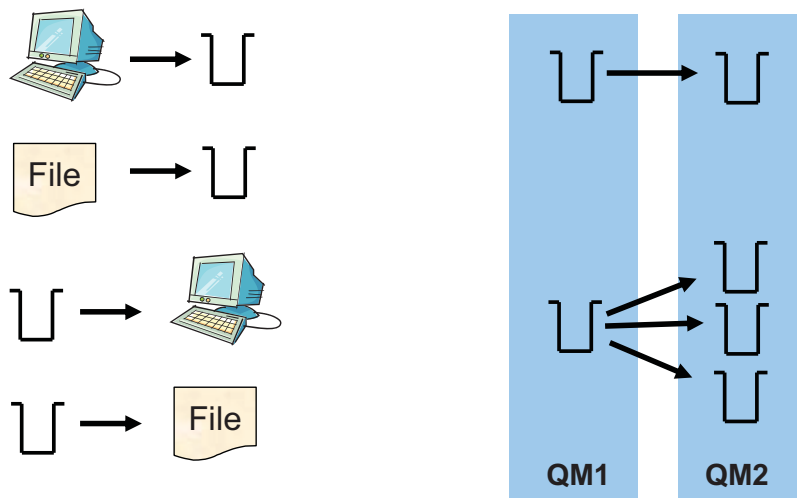
- Saves Queue Manager object definitions
 - Plus optionally the object security settings
 - Note does not save contents of objects
- Useful for re-creating configuration
 - On same or another Queue Manager
- Local binding and client versions of program
- Windows, Linux, Solaris, AIX, HP, iSeries, VMS
 - Source provided so can build your own
- Category 2



MA01

WebSphere MQ Q Program

- Command line message pipeline processing



- Lots of options such as persistence, format, message size
- Client or Local binding
- Windows, Linux, zLinux, z/OS, Solairs, AIX, HP, iSeries
- Category 2

MA01

WebSphere MQ Q Program

- Example output.....

```
Command Prompt
c:\>q -iq1 -dd1
MQSeries Q Program by Paul Clarke [ V5.0.1 Build:Jun 15 2011 ]
Connecting ...connected to 'NTPGC1'.
MQMD after MQGET
Message Descriptor (MQMD)
Report          :00000000
Message Type    :8 (Datagram)
Format          :MQSTR
Priority        :0
Persistence     :0 (Not Persistent)
Message Id      :414D51204E5450474331202020202020EFA2324E20004D04
                  'AMQ NTPGC1 ..2N .M.'
ReplyToQ        :
ReplyToQMgr     :NTPGC1
=====
Test Message
No more messages.
c:\>
```


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MO71

WebSphere MQ GUI Administrator



- Administration of MQ Objects
 - Define, Change, Delete MQ Objects
 - Comprehensive filtering of lists
 - Comparison of objects between two Queue Managers
 - Export of object definitions to files
 - Queue browsing, message copying/moving/deleting
 - Unload of messages to file
- Monitoring of Queue Manager location
 - Periodic messaging
 - Queue Manager definition health check
 - Event message processing
- Only runs on Windows....
 - But can administer any platform
- Connects as client or local binding
- Category 2



MO71

WebSphere MQ GUI Administrator



- Example queue dialog...

NTPGC1/Queue List Last Refresh on Fri - 29 Jul 2011 (16:58:44)

Queue Name	Type	Depth	In	Out	Description	Dist
SYSTEM.ADMIN.STATISTICS.QUEUE	Local	2113	0	0	WebSphere MQ Administration Statistics Queue	Disable
SYSTEM.AUTH.DATA.QUEUE	Local	211	1	1	WebSphere MQ Authority Data Queue	Disable
SYSTEM.CLUSTER.REPOSITORY.QUEUE	Local	3	1	1	WebSphere MQ Cluster Repository Queue	Disable
SYSTEM.RETAINED.PUB.QUEUE	Local	2	0	0	Store of retained publications	Disable
SYSTEM.HIERARCHY.STATE	Local	2	0	0	MQ Publish/Subscribe Distributed Pub/sub hierarchy relationship	Disable
SYSTEM.CHANNEL.SYNCQ	Local	2	0	0	WebSphere MQ Channel Sync Queue	Disable
MQMON.CLARKEP.4E32A2EF02520020	Local	2	1	3		Disable
SYSTEM.DURABLE.SUBSCRIBER.QUEUE	Local	1	0	0	Store of information about durable subscribers	Disable
SYSTEM.ADMIN.QMGR.EVENT	Local	1	0	0	WebSphere MQ Queue Manager Related Event Queue	Disable
Q2	Local	1	0	0		Disable
Q1	Local	1	0	0		Disable
triangle	Local	0	0	0		Disable
paul	Local	0	0	0		Disable
bvt1	Local	0	0	0		Disable
badq	Local	0	0	0		Disable
XXX	Local	0	0	0		Disable
W9	Local	0	0	0		Disable
W8	Local	0	0	0		Disable
W7	Local	0	0	0		Disable
W6	Local	0	0	0		Disable
W5	Local	0	0	0		Disable
W4	Local	0	0	0		Disable
W3	Local	0	0	0		Disable
W27	Local	0	0	0		Disable

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