

Supervision WebSphere MQ

Guide MQ du 7 Avril 2014

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Supervision WebSphere MQ

- Objets à surveiller
- Seuils d'alerte
- Outils

Objets à surveiller

- Queue Manager
- Listener
- Canaux
- Files
- ...
- Trigger monitor
- Logs
- FFDC

Queue Manager

- Script : dspmq -n

```
C:\>dspmq -n
```

```
QMNAME(LMD75)
QMNAME(VMW01A)
QMNAME(POFR01)
QMNAME(POFR02)
QMNAME(POPR03)
QMNAME(POPR04)
```

```
STATUS(RUNNING)
STATUS(RUNNING)
STATUS(ENDED NORMALLY)
STATUS(ENDED NORMALLY)
STATUS(ENDED NORMALLY)
STATUS(ENDED NORMALLY)
```

- MQSC : DIS QMSTATUS

AMQ8705: Affichage des détails relatifs à l'état du gestionnaire de files d'attente.

```
QMNAME(LMD75)          STATUS(RUNNING)
```

Listener

- A distance :
 - Telnet
 - Attention CHLAUTH 7.1+, FFDC
- MQSC : DIS LSSTATUS

AMQ8631: Affichage des détails relatifs à l'état du programme d'écoute.

LISTENER(LISTENER)	STATUS(RUNNING)
PID(4052)	STARTDA(2014-03-22)
STARTTI(17.53.24)	DESCR()
TRPTYPE(TCP)	CONTROL(QMGR)
IPADDR(*)	PORT(1414)
BACKLOG(100)	

Files d'attente

- Files « système »
 - DLQ
 - XMITQ
 - SYSTEM.CLUSTER.XMITQ
- Files « applicatives »
- Exclusions : SYSTEM.*, files de « backup », ...
- MQSC :
 - DIS Q CURDEPTH
 - DIS QSTATUS MSGAGE

Autres points à monitorer

- Trigger monitor
- PubSub
- Logs AMQERRxx
- FFDC

Seuils d'alerte

- OK / Warning / Critical
- QM :
 - Running : OK
 - Not running : Critical
- Canaux :
 - Retrying : Critical / Stopped : Warning
- Files : Critical ou warning suivant seuil













Seuil d'alerte pour les files

- DLQ : Curdepth = 1 → Critical
- XMITQ : ?
- Files applicatives : ?
- Utilisation du MSGAGE :
 - Si un message > xx secondes → Warning / Critical
- Cas des SYSTEM.CLUSTER.XMITQ

Outils de monitoring

- Open Source
 - Nagios
 - Zabbix
 - ...
- Outil d'administration Web
 - Web-based monitoring tool for WebSphere MQ
 - Web UI, RESTful Administration
- Outils commerciaux
 - Tivoli
 - Autopilot
 - ...

Nagios

mq-check-alive		OK	02-21-2014 10:10:25	4d 6h 10m 45s	1/2	OK:RFR8161 - OK:QM.X816 -
mq-check-alive		CRITICAL	02-12-2014 11:17:44	0d 23h 21m 39s	2/2	OK:RFR6401 - OK:QM.X640 - KO:TEST -
mq-RFR6401-queues		OK	02-12-2014 12:00:35	4d 19h 43m 42s	1/2	OK - RFR6401:(0 queues critical - 0 queues warning)
mq-RFRCENT9-channel		WARNING	02-21-2014 10:38:20	4d 0h 37m 36s	2/2	WARNING - RFRCENT9: 1 channels stopped - 0 channels retrying .
mq-RFRCENT9-queue		CRITICAL	02-21-2014 10:39:23	4d 0h 41m 33s	2/2	CRITICAL - RFRCENT9:(2 queues critical - 6 queues warning)
mq-RFRHMS9-channel		WARNING	02-21-2014 10:35:26	4d 0h 40m 30s	2/2	WARNING - RFRHMS9: 1 channels stopped - 0 channels retrying .
mq-RFRHMS9-queue		CRITICAL	02-21-2014 10:36:29	4d 0h 39m 27s	2/2	CRITICAL - RFRHMS9:(2 queues critical - 4 queues warning)
mq-RFR0561-queues		WARNING	02-13-2014 13:32:45	0d 1h 22m 56s	2/2	WARNING - RFR0561:(0 queues critical - 1 queues warning)
mq-toto-queues		CRITICAL	02-12-2014 12:03:49	4d 19h 46m 24s	2/2	Error : AMQ/048: The queue manager name is either not valid or not known.
mq-TEST-queues		CRITICAL	02-12-2014 12:01:40	4d 19h 45m 2s	2/2	CRITICAL - QM TEST:NOT RUNNING
mq-RFRCENT9-queue		CRITICAL	02-21-2014 10:39:23	4d 0h 43m 4s	2/2	CRITICAL - RFRCENT9:(2 queues critical - 6 queues warning)
mq-QM.X757-channel		WARNING	02-13-2014 13:31:26	0d 0h 46m 37s	2/2	WARNING - QM.X757: 1 channels stopped - 0 channels retrying .

Web-based monitoring tool for WebSphere MQ

Introduction pboc-fr1 x

QueueManager Monitors MQTT

Filter:

Monitor Name	Object Name	Type	Measurement	Status	View Type	Poll Interval	Sliding Window
pboc-gw	PBOCGW	Queue Local	currentQDepth	Active	LineChart	30s	30m
request-q	QLREQUESTQ	Queue Local	currentQDepth	Inactive	LineChart	30s	20m
pbocgw-to-pbocfr1	PBOCGW.TO.PBOCFR1	Channel Receive	bytesReceived	Inactive	LineChart	30s	20m
channel-status	PBOCFR1.TO.PBOCGW	Channel Sender	channelStatus	Inactive	AreaChart	30s	20m

Total: 4 Selected: 1

