**Running Message Broker without Toolkit**

**The below step by step command explains, How to Run Message Broker without “Message Broker Toolkit”**

**Step 1 : Setup MB command environment**

**Command  
  
call** "C:\Program Files\IBM\MQSI\7.0\bin\**mqsiprofile.cmd**"  
  
NOTE : It should be executed first to run other MB commands

**Step 2 : Creating BROKER  
  
Command**  
 **mqsicreatebroker** "MB7BROKER" "-i" "LocalSystem" "-a" "\*\*\*\*\*\*" "-q" "MB7QMGR"  
  
**Ref:** <http://publib.boulder.ibm.com/infocenter/wmbhelp/v7r0m0/index.jsp?topic=%2Fcom.ibm.etools.mft.doc%2Fan28135_.htm>

|  |
| --- |
| >>-mqsicreatebroker--*brokerName*-- -q --*queueManagerName*--------->  >--+----------------+--+------+--+------+----------------------->     '- -w --*workPath*-' '- -t -' '- -m -'  >--+-------------------+---------------------------------------->     '- -l --*userLilPath*-'  >--+----------------------------------+------------------------->     '- -g --*configurationChangeTimeout*-'  >--+------------------------------------+----------------------->     '- -k --*internalConfigurationTimeout*-'  >--+------------------------+----------------------------------->     '- -P --*httpListenerPort*-'  >--+-------------------------------+---------------------------->     '- -v --*statisticsMajorInterval*-'  >--+--------------------------------------------+--------------->     '- -y --*ldapPrincipal*-- -z --*ldapCredentials*-'  >--+------------------------+--+--------------------+----------->     '- -c --*icuConverterPath*-' '- -x --*userExitPath*-'  >--+---------------------+--+--------------------+-------------->     '- -o --*operationMode*-' '- -s --+-*active*---+-'      '-*inactive*-'  >--+----------------------+--+---------------------+-----------><     '- -e --*sharedWorkPath*-' '- -d --+-*defined*---+-'      '-*undefined*-' |

**Step 3 : Change BROKER  
  
Command**

**mqsichangebroker** MB7BROKER -f all

**Ref :** <http://publib.boulder.ibm.com/infocenter/wmbhelp/v7r0m0/index.jsp?topic=%2Fcom.ibm.etools.mft.doc%2Fan28145_.htm>

|  |
| --- |
| >>-mqsichangebroker--*BrokerName*--+------+--------------------->      +- -t -+      '- -n -'  >--+-------------------+---------------------------------------->     '- -l --*userLilPath*-'  >--+----------------------------------+------------------------->     '- -g --*configurationChangeTimeout*-'  >--+------------------------------------+----------------------->     '- -k --*internalConfigurationTimeout*-'  >--+------------------------+----------------------------------->     '- -P --*httpListenerPort*-'  >--+-------------------------------+---------------------------->     '- -v --*statisticsMajorInterval*-'  >--+------------------------------------------+----------------->     '- -y--*ldapPrincipal*-- -z--*ldapCredentials*-'  >--+--------------------------+--+--------------------+--------->     '- -c --*ICU converter path*-' '- -x --*userExitPath*-'  >--+-----------------------+--+---------------------+----------->     '- -e --*activeUserExits*-' '- -o --*operationMode*-'  >--+----------------------+--+--------------------+------------->     '- -f --*function level*-' '- -s --+-active---+-'      '-inactive-'  >--+---------------------+-------------------------------------><     '- -d --+-defined---+-'      '-undefined-' |

**Step 4 : Start Broker**

**Command  
  
mqsistart** MB7BROKER  
  
**Ref:** [**http://publib.boulder.ibm.com/infocenter/wmbhelp/v6r1m0/index.jsp?topic=%2Fcom.ibm.etools.mft.doc%2Fan07230\_.htm**](http://publib.boulder.ibm.com/infocenter/wmbhelp/v6r1m0/index.jsp?topic=%2Fcom.ibm.etools.mft.doc%2Fan07230_.htm)

|  |
| --- |
| >>-mqsistart--component---------------------------------------->< |

**Step 5 : Import Default MQ Manager Script**

**Command**  
**runmqsc** MB7QMGR < " Queues.mqsc"

**Ref:** [**http://publib.boulder.ibm.com/infocenter/wmqv6/v6r0/index.jsp?topic=%2Fcom.ibm.mq.amqzag.doc%2Ffa15950\_.htm**](http://publib.boulder.ibm.com/infocenter/wmqv6/v6r0/index.jsp?topic=%2Fcom.ibm.mq.amqzag.doc%2Ffa15950_.htm)

|  |
| --- |
| .------------------------------.      V |  >>-runmqsc----+--------------------------+-+--+----------+-----><      +- -e ---------------------+ '-QMgrName-'      +- -v ---------------------+      '- -w --WaitTime--+------+-'      '- -x -' |

**Step 6 : Create Execution Group  
  
Command:**

**mqsicreateexecutiongroup**  MB7BROKER -e EXECUTION\_GROUP\_NAME

**Ref:** [**http://publib.boulder.ibm.com/infocenter/wmbhelp/v7r0m0/index.jsp?topic=%2Fcom.ibm.etools.mft.doc%2Fae26020\_.htm**](http://publib.boulder.ibm.com/infocenter/wmbhelp/v7r0m0/index.jsp?topic=%2Fcom.ibm.etools.mft.doc%2Fae26020_.htm)

|  |
| --- |
| >>-mqsicreateexecutiongroup------------------------------------->     .-+-----------------+--+------------+--+------------+-.     | '- -i --ipAddress-' '- -p --port-' '- -q --qMgr-' |  >--+-----------------------------------------------------+------>     '- -n --cfgParameterFilename--------------------------'  >-- -b --brokerName-- -e --executionGroupName--+------+--------->      +- -s -+      '- -l -'  >--+------------------+--+--------------------+----------------->     '- -f --brokerQMgr-' '- -w --timeoutValue-'  >--+---------------------+-------------------------------------><     '- -v --traceFileName-' |

**Step 7 : Creating BAR**

**Command:**

**mqsicreatebar** -data "workspace" -b "HealthCareAssetv25.bar" -p HealthCareAssetv25

-o CIMv11\CIMv11\messageSet.mset HealthCareAssetv25\Flows\MainReceiver.msgflow

**Ref :** <http://publib.boulder.ibm.com/infocenter/wmbhelp/v7r0m0/index.jsp?topic=%2Fcom.ibm.etools.mft.doc%2Fan19540_.htm>

|  |
| --- |
| >>-mqsicreatebar-- -data --*WorkSpace*-- -b --*BarName*------------->  >--+--------------+--+---------------------------+-------------->     '- -cleanBuild-' '- -version --*VersionString*-'      .-----------------------.      V |  >--+----------+----+-------------------+-+---------------------->     '- *-Esql21*-' '- -p --*ProjectName*-'      .--------------.      V |  >-- -o ------*FilePath*---+-------------------------------------->< |

**Step 8 : Deploy BAR files**

**Command:**

**mqsideploy** MB7BROKER -e EXECUTION\_GROUP\_NAME -a "CIMv11.bar"

**mqsideploy** MB7BROKER -e EXECUTION\_GROUP\_NAME -a " HL7v25.bar"

**mqsideploy** MB7BROKER -e EXECUTION\_GROUP\_NAME -a " HealthCareAssetv25.bar"

**Ref :** [**http://publib.boulder.ibm.com/infocenter/wmbhelp/v7r0m0/index.jsp?topic=%2Fcom.ibm.etools.mft.doc%2Fan28520\_.htm**](http://publib.boulder.ibm.com/infocenter/wmbhelp/v7r0m0/index.jsp?topic=%2Fcom.ibm.etools.mft.doc%2Fan28520_.htm)

|  |
| --- |
| Read syntax diagram[Skip visual syntax diagram](http://publib.boulder.ibm.com/infocenter/wmbhelp/v7r0m0/topic/com.ibm.etools.mft.doc/an28520_.htm#d6267417e42)  >>-mqsideploy--| brokerSpec |----------------------------------->  >--+-----------------------------------------------------------+-->     '- -e --executionGroupName--+- -a --BARFileName--+------+-+-'      | '- -m -' |      '- -d --deployedObjects-------'  >--+-------------------+--+---------------------+--------------><     '- -w --timeoutSecs-' '- -v --traceFileName-'  brokerSpec  |--+- brokerName ----------------+------------------------------|     +- -n --brokerFileName--------+     | .-------------------------. |     | V | |     '-----+- -i --ipAddress-+---+-'      +- -p --port------+      '- -q --qMgr------' |

**Extras**

**Stop Message Broker :**

**Command:**

**mqsistop** MB7BROKER

**Ref :** [**http://publib.boulder.ibm.com/infocenter/wmbhelp/v7r0m0/index.jsp?topic=%2Fcom.ibm.etools.mft.doc%2Fan28080\_.htm**](http://publib.boulder.ibm.com/infocenter/wmbhelp/v7r0m0/index.jsp?topic=%2Fcom.ibm.etools.mft.doc%2Fan28080_.htm)

|  |
| --- |
| Read syntax diagram[Skip visual syntax diagram](http://publib.boulder.ibm.com/infocenter/wmbhelp/v7r0m0/topic/com.ibm.etools.mft.doc/an28080_.htm#d6163023e58)  >>-mqsistop--Component--+------+--+------+---------------------><      '- -q -' '- -i -' |

**Stop Message Queue :**

**Command:**

**endmqm** -w MB7QMGR

**Ref :** [**http://publib.boulder.ibm.com/infocenter/wmqv7/v7r0/index.jsp?topic=%2Fcom.ibm.mq.amqwag.doc%2Fdev%2Ficl%2FENDMQM.html**](http://publib.boulder.ibm.com/infocenter/wmqv7/v7r0/index.jsp?topic=%2Fcom.ibm.mq.amqwag.doc%2Fdev%2Ficl%2FENDMQM.html)