# Instalación y Configuración MQ.

# Pre-Requisitos

1.- Debemos tener instaladas los paquetes libgcc y libstdc++

|  |
| --- |
| # rpm -qa | egrep “libstdc++|libgcc”  libstdc++-4.4.7-4.el6.x86\_64  libgcc-4.4.7-4.el6.x86\_64 |

1.- Bajamos los instaladores, los archivos son: WS\_MQ\_LINUX\_ON\_X86\_64\_7.5.0.2\_IMG.tar.gz, WS\_MQ\_CLIENT\_LIN\_X86\_64\_7.5.0.2.tar.gz, MANAGED\_FT\_AGENT\_4690\_7.5.0.2\_IMG.zip. (No se si se utilizan todos) y se colocan en un directorio temporal, en este caso /opt/mq\_instaladores

2.- Descomprimimos WS\_MQ\_LINUX\_ON\_X86\_64\_7.5.0.2\_IMG.tar.gz:

|  |
| --- |
| # mkdir –p /opt/mq\_instaladores/mqm  # tar -xvf WS\_MQ\_LINUX\_ON\_X86\_64\_7.5.0.2\_IMG.tar.gz -C /opt/ mq\_instaladores/mqm |

3.- Verificamos la licencia, en este caso se utiliza como producto de prueba:

|  |
| --- |
| # /opt/ mq\_instaladores/mqm /mqlicense.sh --text\_only |

4.- Para instalar todos los components ejecutamos.

|  |
| --- |
| # rpm -ivh /opt/mq\_instaladores/mqm/MQSeries\*.rpm  Preparing... ########################################### [100%]  1:MQSeriesRuntime ########################################### [ 3%]  2:MQSeriesJRE ########################################### [ 6%]  3:MQSeriesJava ########################################### [ 10%]  4:MQSeriesFTBase ########################################### [ 13%]  5:MQSeriesServer ########################################### [ 16%]  After the installation has completed, run the ‘**/opt/mqm/bin/mqconfig’**  command, using the ‘mqm’ user ID.  For example, execute the following statement when running as the ‘root’ user:  su mqm -c “/opt/mqm/bin/mqconfig”  The ‘mqconfig’ command validates that the system configuration satisfies the  requirements for WebSphere MQ, and ensures that the settings for the ‘mqm’  user ID are suitably configured. Other WebSphere MQ administrators in the  ‘mqm’ group can run this command to ensure their user limits are also  properly configured to use WebSphere MQ.  If ‘mqconfig’ indicates that any of the requirements have not been met,  consult the installation section within the WebSphere MQ Information Center  for details about how to configure the system and user limits.  6:MQSeriesFTAgent ########################################### [ 19%]  7:MQSeriesFTService ########################################### [ 23%]  8:MQSeriesAMS ########################################### [ 26%]  9:MQSeriesFTLogger ########################################### [ 29%]  10:MQSeriesXRService ########################################### [ 32%]  11:MQSeriesFTTools ########################################### [ 35%]  12:MQSeriesExplorer ########################################### [ 39%]  13:MQSeriesGSKit ########################################### [ 42%]  14:MQSeriesClient ########################################### [ 45%]  15:MQSeriesMan ########################################### [ 48%]  16:MQSeriesMsg\_cs ########################################### [ 52%]  17:MQSeriesMsg\_de ########################################### [ 55%]  18:MQSeriesMsg\_es ########################################### [ 58%]  19:MQSeriesMsg\_fr ########################################### [ 61%]  20:MQSeriesMsg\_hu ########################################### [ 65%]  21:MQSeriesMsg\_it ########################################### [ 68%]  22:MQSeriesMsg\_ja ########################################### [ 71%]  23:MQSeriesMsg\_ko ########################################### [ 74%]  24:MQSeriesMsg\_pl ########################################### [ 77%]  25:MQSeriesMsg\_pt ########################################### [ 81%]  26:MQSeriesMsg\_ru ########################################### [ 84%]  27:MQSeriesMsg\_Zh\_CN ########################################### [ 87%]  28:MQSeriesMsg\_Zh\_TW ########################################### [ 90%]  29:MQSeriesSamples ########################################### [ 94%]  30:MQSeriesSDK ########################################### [ 97%]  31:MQSeriesXRClients ########################################### [100%] |

5.- Tal y como lo indica la salida de la instalación de MQSeriesServer, ejecutamos el siguiente comando para comprobar los requerimientos de instalación. (En esta primera corrida existen varios puntos que debemos corregir).

|  |
| --- |
| # su mqm -c “/opt/mqm/bin/mqconfig”  mqconfig: Analyzing CentOS release 6.5 (Final) settings for WebSphere MQ V7.5  System V Semaphores  semmsl (sem:1) 250 semaphores IBM>=500 FAIL  semmns (sem:2) 1 of 32000 semaphores (0%) IBM>=256000 FAIL  semopm (sem:3) 32 operations IBM>=250 FAIL  semmni (sem:4) 1 of 128 sets (0%) IBM>=1024 FAIL  System V Shared Memory  shmmax 68719476736 bytes IBM>=268435456 PASS  shmmni 1 of 4096 sets (0%) IBM>=4096 PASS  shmall 3 of 4294967296 pages (0%) IBM>=2097152 PASS  System Settings  file-max 928 of 47248 files (1%) IBM>=524288 FAIL  tcp\_keepalive\_time 7200 seconds IBM<=300 FAIL  Current User Limits (mqm)  nofile (-Hn) 4096 files IBM>=10240 FAIL  nofile (-Sn) 1024 files IBM>=10240 FAIL  nproc (-Hu) 9 of 3764 processes (0%) IBM>=4096 WARN  nproc (-Su) 9 of 1024 processes (0%) IBM>=4096 FAIL |

Para solucionar estas observaciones debemos:

5.1 Modificar los semáforos, cantidad de archivos abiertos y tiempo de las conexiones colocando los valores que indica el reporte, editando el archivo /etc/sysctl.conf

|  |
| --- |
| kernel.sem=500 256000 250 1024  fs.file-max=524288  net.ipv4.tcp\_keepalive\_time=300  #sysctl -p |

5.2 Modificamos la cantidad de archivos y procesos abiertos que puede tener el usuario mqm, editando el archivo /etc/security/limits.conf

|  |
| --- |
| mqm soft nofile 10240  mqm hard nofile 10240  mqm soft nproc 4096  mqm hard nproc 4096 |

5.3 Al ejecutar nuevamente el comando su mqm -c “/opt/mqm/bin/mqconfig” no debería salir ningún FAIL ni WARNING.

6.- Debemos indicar que esta instalación es la instalación primaria, lo hacemos ejecutando el comando:

|  |
| --- |
| # /opt/mqm/bin/setmqinst -i -p /opt/mqm/  118 of 118 **tasks have been completed successfuly.**  ‘**Installation1**’ (/opt/mqm) set as the Primary Installation. |

7.- Para definimos en la variable PATH la ruta de los binaries de MQ en el archive /etc/bashrc

|  |
| --- |
| export PATH=$PATH:/opt/mqm/bin |

**Verificando la correcta instalación**

**1.- Local**

1.- Nos cambiamos al usuario mqm y nos cambiamos al directorio MQ\_INSTALLATION\_PATH/bin

|  |
| --- |
| # su – mqm  # cd /opt/mqm/bin |

2.- Ejecutamos los comandos, para setear las variables de ambientes de mq y con el segundo comando vemos los datos de las variables.

|  |
| --- |
| # source ./setmqenv –s  # dspmqver  Name: WebSphere MQ  Version: 8.0.0.0  Level: p000-L140429.1  BuildType: IKAP - (Production)  Platform: WebSphere MQ for Linux (x86-64 platform)  Mode: 64-bit  O/S: Linux 2.6.32-431.el6.x86\_64  InstName: Installation1  InstDesc:  Primary: Yes  InstPath: /opt/mqm  DataPath: /var/mqm  MaxCmdLevel: 800 |

3.- Creamos un Q Manager llamado QMA

|  |
| --- |
| #crtmqm QMA  WebSphere MQ queue manager created.  Directory ‘/var/mqm/qmgrs/QMA’ created.  The queue manager is associated with installation ‘Installation1’.  Creating or replacing default objects for queue manager ‘QMA’.  Default objects statistics : 74 created. 0 replaced. 0 failed.  Completing setup.  Setup completed. |

4.- Iniciamos el QManager

|  |
| --- |
| #strmqm QMA  WebSphere MQ queue manager ‘QMA’ starting.  The queue manager is associated with installation ‘Installation1’.  5 log records accessed on queue manager ‘QMA’ during the log replay phase.  Log replay for queue manager ‘QMA’ complete.  Transaction manager state recovered for queue manager ‘QMA’.  WebSphere MQ queue manager ‘QMA’ started using V7.5.0.2. |

5.- Iniciamos la consola de comando de MQ para trabajar con el QManager recién creado

|  |
| --- |
| #runmqsc QMA |

6.- Creamos una cola local de pruebas llamada QUEUE1 y salimos de la consola.

|  |
| --- |
| DEFINE QLOCAL (QUEUE1)  end |

7.- Ejecutamos el comando amqsput para colocar un mensaje de prueba en la cola anteriormente creada, este comando se encuentra en la ruta MQ\_INSTALLATION\_PATH/samp/bin. Coloca algún texto para el contenido del mensaje. Un enter con línea vacía indica el fin del mensaje

|  |
| --- |
| # ./amqsput QUEUE1 QMA  Sample AMQSPUT0 start  target queue is QUEUE1  Hola Mundo.  Sample AMQSPUT0 end |

8.- Ejecutamos el comando amqsget para retirar el mensaje que colocamos en la cola anteriormente.

|  |
| --- |
| # ./amqsget QUEUE1 QMA  Sample AMQSGET0 start  message <Hola Mundo.>  no more messages  Sample AMQSGET0 end |

**2.- Remoto**

Para probar de forma remota necesitamos dos equipos uno que sea el Sender y otro el Receiver, en nuestro caso mq-fte01 será el sender y mq-fte-02 será el reciver.

1.- En el receiver:

|  |
| --- |
| #crtmqm QMB  WebSphere MQ queue manager created.  Directory ‘/var/mqm/qmgrs/QMB’ created.  The queue manager is associated with installation ‘Installation1’.  Creating or replacing default objects for queue manager ‘QMB’.  Default objects statistics : 74 created. 0 replaced. 0 failed.  Completing setup.  Setup completed.  # strmqm QMB  WebSphere MQ queue manager ‘QMB’ starting.  The queue manager is associated with installation ‘Installation1’.  5 log records accessed on queue manager ‘QMB’ during the log replay phase.  Log replay for queue manager ‘QMB’ complete.  Transaction manager state recovered for queue manager ‘QMB’.  WebSphere MQ queue manager ‘QMB’ started using V7.5.0.2.  # runmqsc QMB  DEFINE QLOCAL (RECEIVER.Q)  DEFINE LISTENER (LISTENER1) TRPTYPE (TCP) CONTROL (QMGR) PORT (1414)  START LISTENER (LISTENER1)  DEFINE CHANNEL (QMA.QMB) CHLTYPE (RCVR) TRPTYPE (TCP)  end |

2. - En el Sender

|  |
| --- |
| # crtmqm QMA (Este ya fue ejecutado en la prueba 1)  # strmqm QMA (Este ya fue ejecutado en la prueba 1)  # runmqsc QMA  DEFINE QLOCAL (QMB) USAGE (XMITQ)  DEFINE QREMOTE (LOCAL.DEF.OF.REMOTE.QUEUE) RNAME (RECEIVER.Q) RQMNAME (‘QMB’) XMITQ (QMB)  DEFINE CHANNEL (QMA.QMB) CHLTYPE (SDR) CONNAME (‘192.168.56.31(1414)’) XMITQ (QMB) TRPTYPE (TCP)  START CHANNEL(QMA.QMB)  End |

3.- Colocamos un mensaje en la cola del sender para probar:

|  |
| --- |
| ./amqsput LOCAL.DEF.OF.REMOTE.QUEUE QMA |

4.- En el receiver leemos los mensajes:

|  |
| --- |
| ./amqsget RECEIVER.Q QMB |

**Creación de Usuario para conexión de Agentes.**

Con la finalidad de que la conexión de los agentes sea transparente, se debe crear un usuario para que la autenticación se realice de forma local y no con el usuario donde se está ejecutando el agente de transferencia de archivos, para este caso el usuario es usrmq. NOTA: Websphere MQ al momento de realizar la búsqueda del usuario los hace en Mayúscula, por ende debemos crear el mismo usuario tanto en mayúsculas como en minúscula.

|  |
| --- |
| # adduser –c “Usuario para la conexión de agentes FTE” usrmq  # usermod -G mqm usrmq |

**Creación y Configuración de Coordinator, Commander, Agente del AS400 y Agentes clientes en el servidor MQ.**

Para la creación de las colas necesarias para el funcionamiento de MQ FTE debemos realizar lo siguiente:

1.- Crear el archivo /etc/src-mqm.sh con el siguiente contenido. (Este es el contenido para desarrollo, en el caso de QA y Producción estos pueden cambiar).

|  |
| --- |
| #!/bin/bash  export COORDINATOR=”CRC01CRD.QM”  export COORDINATOR\_PORT=”1414”  export COMMANDER=”CRC01CMM.QM”  export COMMANDER\_PORT=”1416”  export AS400\_CLIENT=”CRC03AGN.QM”  export AS400\_CLIENT\_PORT=”1418” |

2.- Agregar las siguientes líneas en el archivo /etc/bashrc para que las variables estén disponibles para cualquier usuario.

|  |
| --- |
| source /etc/src-mqm.sh |

3.- Modifica la variable PATH para poder ejecutar los comandos de MQ desde cualquier punto. Esto lo hacemos agregando la siguiente línea en el archivo /etc/bashrc

|  |
| --- |
| export PATH=$PATH:/opt/mqm/bin |

4.- Copiar los siguientes script en la ruta /usr/local/bin. Estos scripts están adaptados para Desarrollo es posible que para los demás ambientes debamos realizar algunos ajustes.

|  |
| --- |
| agent\_def.sh  agents.lst  create-agents.sh  create-as400-agent.sh  create-basic-relations.sh  create-commander.sh  create-coordinator.sh  delete-qmanager-agent.sh |

5.- Para Crear el Coordinator ejecutar el script: **create-coordinator.sh**

6.- Para Crear el Commander ejecutar el script: **create-commander.sh**

7.- Para Crear el agente del AS400 ejecutar el script: **create-as400-agent.sh**

8.- Una vez creados el Qmanager de los agentes básicos, debemos crear las relaciones entre ellos (colas, canales y listeners), para esto ejecutamos el script: **create-basic-relations.sh**

9.- para crear los agentes debemos listarlos en el archivo **agents.lst**, el mismo debe contener nombre del qmanager agente, Descripcion (sin espacios en blanco) y el número del puerto. Se muestra un ejemplo:

|  |
| --- |
| B100AGN01:100% BANCO:1441  TEST:AGENTE\_DE\_PRUEBA:2000 |

10.- Una vez organizada la información en el archivo **agents.lst**, debemos ejecutar el script **create-agents.sh**, este se encarga de crear toda las definición del qmanager y las relaciones con el coordinator, commander y el qmanager del agente del as400, una vez finalizado esta actividad, hace un llamado al script **agent\_def.sh** para realizar toda la configuración referente a las colas que se necesitan para la transferencia de archivo.

**Creación y Configuración de File Logger**

1.- Ejecutar el comando fteCreateLogger para crear el archivo con la definición de las colas para el COORDINATOR.

|  |
| --- |
| # fteCreateLogger -loggerType FILE -fileLoggerMode CIRCULAR -fileSize 50MB -fileCount 10 **filelogger1** |

2.- El comando anterior genera un archivo el cual debemos ejecutarlo sobre el COORDINATOR

|  |
| --- |
| # runmqsc $COORDINATOR < /var/mqm/mqft/config/CRC01CRD/loggers/FILELOGGER1/FILELOGGER1\_create.mqsc |

3.- Iniciamos el Looger

|  |
| --- |
| # fteStartLogger **filelogger1** |

Los archivos de logs lo podemos encontrar en la siguiente ruta:

|  |
| --- |
| # ls -l **/var/mqm/mqft/logs/CRC01CRD/loggers/FILELOGGER1**  total 16  -rw------- 1 mqm mqm 1235 Aug 7 10:55 FILELOGGER10-20140807104704918.log  -rw------- 1 mqm mqm 0 Aug 7 10:47 FILELOGGER11-20140807104704919.log  -rw------- 1 mqm mqm 0 Aug 7 10:47 FILELOGGER12-20140807104704919.log  -rw------- 1 mqm mqm 0 Aug 7 10:47 FILELOGGER13-20140807104704919.log  -rw------- 1 mqm mqm 0 Aug 7 10:47 FILELOGGER14-20140807104704919.log  -rw------- 1 mqm mqm 0 Aug 7 10:47 FILELOGGER15-20140807104704919.log  -rw------- 1 mqm mqm 0 Aug 7 10:47 FILELOGGER16-20140807104704920.log  -rw------- 1 mqm mqm 0 Aug 7 10:47 FILELOGGER17-20140807104704920.log  -rw------- 1 mqm mqm 0 Aug 7 10:47 FILELOGGER18-20140807104704920.log  -rw------- 1 mqm mqm 0 Aug 7 10:47 FILELOGGER19-20140807104704920.log  -rw-rw-rw- 1 mqm mqm 0 Aug 7 10:47 logger.lck  -rw-rw-rw- 1 mqm mqm 4 Aug 7 10:47 logger.pid  drwxrwsrwx 2 mqm mqm 4096 Aug 7 10:47 logs  -rw-rw-rw- 1 mqm mqm 0 Aug 7 10:47 mqmftpc.lck  -rw-rw-rw- 1 mqm mqm 4 Aug 7 10:46 mqmftpc.pid |

**Instalación agente MQ FTE en Linux.**

1.- Localizar los instaladores para el agente el cual comprende los archivos

|  |
| --- |
| install.bin  silent\_install.resp  silent\_uninstall.resp  version.ini |

3.- Instalar librerías necesarias para el cliente

|  |
| --- |
| yum install glibc.i686  yum install glibc.x86\_64  yum install libgcc.x86\_64  yum install libgcc.i686  yum install libstdc++  yum install compat-libstdc++-296.i686  yum install compat-libstdc++-33.i686  yum install compat-libstdc++-33.x86\_64  yum install libX11.i686 |

2.- Ejecutar el script install.bin

|  |
| --- |
| # ./install.bin  Preparing to install...  Extracting the JRE from the installer archive...  Unpacking the JRE...  Extracting the installation resources from the installer archive...  Configuring the installer for this system’s environment...  Launching installer...  Graphical installers are not supported by the VM. The console mode will be used instead...  Preparing CONSOLE Mode Installation...  ===============================================================================  Choose Locale...  ----------------  1- Deutsch  ->2- English  3- Español  4- Français  5- Português (Brasil)  CHOOSE LOCALE BY NUMBER:  ===============================================================================  (created with InstallAnywhere)  -------------------------------------------------------------------------------  ===============================================================================  Client - Introduction  ---------------------  Welcome to the IBM WebSphere MQ File Transfer Edition - Client installation  wizard.  PRESS <ENTER> TO CONTINUE:  ===============================================================================  International Program License Agreement  Part 1 - General Terms  BY DOWNLOADING, INSTALLING, COPYING, ACCESSING, CLICKING ON AN  “ACCEPT” BUTTON, OR OTHERWISE USING THE PROGRAM, LICENSEE AGREES TO  THE TERMS OF THIS AGREEMENT. IF YOU ARE ACCEPTING THESE TERMS ON  BEHALF OF LICENSEE, YOU REPRESENT AND WARRANT THAT YOU HAVE FULL  AUTHORITY TO BIND LICENSEE TO THESE TERMS. IF YOU DO NOT AGREE TO  THESE TERMS,  - DO NOT DOWNLOAD, INSTALL, COPY, ACCESS, CLICK ON AN “ACCEPT” BUTTON,  OR USE THE PROGRAM; AND  - PROMPTLY RETURN THE UNUSED MEDIA, DOCUMENTATION, AND PROOF OF  ENTITLEMENT TO THE PARTY FROM WHOM IT WAS OBTAINED FOR A REFUND OF THE  AMOUNT PAID. IF THE PROGRAM WAS DOWNLOADED, DESTROY ALL COPIES OF THE  PROGRAM.  Press Enter to continue viewing the license agreement, or enter “1” to  accept the agreement, “2” to decline it, “3” to print it, or “99” to go back  to the previous screen.: 1  ===============================================================================  Product installation folder :  -----------------------------  Product installation folder :  Default Install Folder: /opt/ibm/WMQFTE  ENTER AN ABSOLUTE PATH, OR PRESS <ENTER> TO ACCEPT THE DEFAULT  : /opt/wmqfte  INSTALL FOLDER IS: /opt/wmqfte  IS THIS CORRECT? (Y/N): y  ===============================================================================  IBM WebSphere MQ File Transfer Edition - Client already installed  -----------------------------------------------------------------  The product directory for IBM WebSphere MQ File Transfer Edition - Client  already exists.  What action do you wish to take ?  ->1- Select new product directory  2- Refresh existing install  ENTER THE NUMBER OF THE DESIRED CHOICE, OR PRESS <ENTER> TO ACCEPT THE  DEFAULT: 2  ===============================================================================  Configuration folder :  -----------------------  Enter requested information  Data folder : (DEFAULT: /var/ibm/WMQFTE/config): /opt/wmqfte/config  ===============================================================================  Skip Configuration  ------------------  1- Yes  ->2- No  ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT::  ===============================================================================  Get Coordination Queue Manager:  -------------------------------  Coordination Queue Manager : (DEFAULT: ): CRC01CRD.QM  ===============================================================================  Coordination QMgr Host Name  ---------------------------  Enter requested information  Enter the host name of your coordination queue manager (DEFAULT: ): 192.168.56.30  ===============================================================================  Coordination QMgr Port  ----------------------  Enter requested information  Enter the port number of your coordination queue manager. (DEFAULT: 1414):  ===============================================================================  Coordination QMgr Channel  -------------------------  Enter requested information  Enter the channel name of your coordination queue manager. (DEFAULT:  SYSTEM.DEF.SVRCONN):  ===============================================================================  Agent Name  ----------  Enter requested information  Enter the name of your agent: (DEFAULT: ): TEST.AG  ===============================================================================  Agent Description  -----------------  Enter requested information  Agent description (DEFAULT: ): test  ===============================================================================  Agent QMgr  -----------  Enter requested information  Enter the agent’s queue manager name: (DEFAULT: CRC01CRD.QM): TEST  ===============================================================================  Agent QMgr Host Name  --------------------  Enter the host name of your agent queue manager. (DEFAULT: 192.168.56.30):  ===============================================================================  Agent QMgr port  ---------------  Enter the port number of your agent queue manager. (DEFAULT: 1414): 2000  ===============================================================================  Agent QMgr Channel  ------------------  Enter requested information  Enter the channel name of your agent queue manager. (DEFAULT:  SYSTEM.DEF.SVRCONN):  ===============================================================================  Command QMgr Name  -----------------  Command Queue Manager Name: (DEFAULT: TEST): CRC01CMM.QM  ===============================================================================  Command QMgr Host Name  ----------------------  Enter requested information  Enter the host name of your command queue manager. (DEFAULT: 192.168.56.30)  :  ===============================================================================  Command QMgr Port  -----------------  Enter requested information  Enter the port number of your command queue manager. (DEFAULT: 2000): 1416  ===============================================================================  Command QMgr Channel  --------------------  Enter requested information  Enter the channel name of your command queue manager. (DEFAULT:  SYSTEM.DEF.SVRCONN):  ===============================================================================  Pre-Installation Summary  ------------------------  Please Review the Following Before Continuing:  Product Name:  IBM WebSphere MQ File Transfer Edition - Client  Product installation directory:  /opt/wmqfte  Product configuration directory:  /opt/wmqfte/config  Coordination Queue Manager:  CRC01CRD.QM  Coordination Queue Manager Host Name:  192.168.56.30  Coordination Queue Manager Port:  1414  Coordination Queue Manager Channel:  SYSTEM.DEF.SVRCONN  Agent Name:  TEST.AG  Agent Queue Manager:  TEST  Agent Queue Manager Host:  192.168.56.30  Agent Queue Manager Port:  2000  Agent Queue Manager Channel:  SYSTEM.DEF.SVRCONN  Command Queue Manager:  CRC01CMM.QM  Command Queue Manager Host:  192.168.56.30  Command Queue Manager Port:  1416  Command Queue Manager Channel:  SYSTEM.DEF.SVRCONN  Disk Space Information (for Installation Target):  Required: 187,105,103 bytes  Available: 2,200,047,616 bytes  PRESS <ENTER> TO CONTINUE:  ===============================================================================  Ready To Install  ----------------  InstallAnywhere is now ready to install IBM WebSphere MQ File Transfer Edition  - Client onto your system at the following location:  /opt/wmqfte  PRESS <ENTER> TO INSTALL:  ===============================================================================  Installing...  -------------  [==================|==================|==================|==================]  [------------------|------------------|------------------|------------------]  ===============================================================================  Run on Coordination Queue Manager  ---------------------------------  /opt/wmqfte/config/CRC01CRD.QM/CRC01CRD.QM.mqsc has been created.  Ensure this file has been run against the coordination queue manager  CRC01CRD.QM before attempting file transfers.  This can be done by redirecting the contents of the file CRC01CRD.QM.mqsc into  a runmqsc session.  PRESS <ENTER> TO CONTINUE:  ===============================================================================  Run on Agent Queue Manager  --------------------------  /opt/wmqfte/config/CRC01CRD.QM/agents/TEST.AG/TEST.AG\_create.mqsc  Ensure this file has been run against the agent queue manager TEST before  attempting file transfers.  This can be done by redirecting the contents of the file TEST.AG\_create.mqsc  into a runmqsc session  PRESS <ENTER> TO CONTINUE:  ===============================================================================  Installation Complete  ---------------------  You have successfully installed IBM WebSphere MQ File Transfer Edition - Client  to:  /opt/wmqfte  PRESS <ENTER> TO EXIT THE INSTALLER: |

3.- En el server ejecutar: runmqsc $COORDINATOR < /var/mqm/CRC01CRD.QM.mqsc

4.- El inicio del agente debe hacerse con el usuario mqm.

NOTA: El agente debe tener el mismo nombre del qmanager en el servidor.