



TAFJ-JMS MQInstall v7.5 R14/R15

10/3/2015 Temenos

TAFJ-AS WeblogicInstall v10.3/12.1.x



Amendment History:

Revisio n	Date Amended	Name	Description
1	9 th April 2015	H. Aubert	Initial version



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Errata and Comments

If you have any comments regarding this manual or wish to report any errors in the documentation, please document them and send them to the address below: Technology Department

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Prerequisite

You need to have the root access user on the OS.

On an install folder, unpack the tar.gz files.

i.e

```
Installation file: WS_MQ_FOR_LNX_ON_X86_64_V7.5_EIMG.tar.gz Fix Pack file: 7.5.0-WS-MQ-LinuxX64-FP0004.tar.gz
```

Under install folder create a folder MQINST and MQINST FP

Untar the files:

```
tar -C MQINST -xvf WS_MQ_FOR_LNX_ON_X86_64_V7.5_EIMG.tar.gz tar -C MQINST_FP -xvf 7.5.0-WS-MQ-LinuxX64-FP0004.tar.gz
```

Setup WebSphere MQ User and Group

```
With root user
```

Create the group mgm

groupadd mqm

Create a user mgm to the group mgm

useradd -g mqm mqm

Setup the password to the user mqm

passwd mqm



Kernel Configuration Parameters

With **root** user

Open the file "/etc/sysctl.conf"

vi /etc/sysctl.conf

Set the following values

```
kernel.shmmni = 4096
kernel.shmall = 2097152
kernel.shmmax = 268435456
kernel.sem = 500 256000 250 1024
net.ipv4.tcp keepalive time = 300
```

Activate the new values

sysctl -p

Open the file "/etc/security/limits.conf"

vi /etc/security/limits.conf

Set the following values

mqm	hard	nofile	10240	
mqm	soft	nofile	10240	
mqm	hard	nproc	16384	
mqm	soft	nproc	16384	



WebSphere MQ 7.5 installation

With root user

From the folder install/MQINST

./mqlicense.sh -accept

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Agreement accepted: Proceed with install.

Install WebSphere MQ Components

With root user

Install the following component:

MQSeriesRuntime

MQSeriesServer

MQSeriesClient

MQSeriesSDK

MQSeriesJava

MQSeriesMan

MQSeriesJRE

From the folder install/MQINST

```
rpm -ivh MQSeriesRuntime-7.5.0-2.x86_64.rpm rpm -ivh MQSeriesServer-7.5.0-0.x86_64.rpm rpm -ivh MQSeriesClient-7.5.0-0.x86_64.rpm rpm -ivh MQSeriesSDK-7.5.0-0.x86_64.rpm rpm -ivh MQSeriesJava-7.5.0-0.x86_64.rpm rpm -ivh MQSeriesMan-7.5.0-0.x86_64.rpm rpm -ivh MQSeriesJRE-7.5.0-0.x86_64.rpm
```



Install WebSphere MQ Components Fix patch

With **root** user

Update the following component:

MQSeriesRuntime

MQSeriesServer

MQSeriesClient

MQSeriesSDK

MQSeriesJava

MQSeriesMan

MQSeriesJRE

From the folder install/MQINST_FP

```
rpm -ivh MQSeriesRuntime-U200491-7.5.0-4.x86_64.rpm
rpm -ivh MQSeriesServer-U200491-7.5.0-4.x86_64.rpm
rpm -ivh MQSeriesClient-U200491-7.5.0-4.x86_64.rpm
rpm -ivh MQSeriesSDK-U200491-7.5.0-4.x86_64.rpm
rpm -ivh MQSeriesJava-U200491-7.5.0-4.x86_64.rpm
rpm -ivh MQSeriesMan-U200491-7.5.0-4.x86_64.rpm
rpm -ivh MQSeriesJRE-U200491-7.5.0-4.x86_64.rpm
```



Post Installations

With *root* user

Validates the system confoguration

su mqm -c "/opt/mqm/bin/mqconfig"

mqconfig: Analyzing Red Hat Enterprise Linux Server release 6.6 (Santiago) settings for WebSphere MQ V7.5

System V Semap semmsl		500 semaphores		IBM>=500
PASS		•		
semmns PASS	(sem:2)	1 of 256000 semaphores	(0%)	IBM>=256000
semopm	(sem:3)	250 operations		IBM>=250
PASS semmni	(sem:4)	1 of 1024 sets	(0%)	IBM>=1024
PASS	,		, ,	
System V Share	d Memory			
shmmax PASS		4398046511104 bytes	:	IBM>=268435456
shmmni		1 of 4096 sets	(0%)	IBM>=4096
PASS shmall		3 of 4294967296 pages	(0%)	IBM>=2097152
PASS		5 01 123 1307230 pages	(00)	15.1. 2007132
System Setting	IS			
file-max		736 of 6815744 files	(0%)	IBM>=524288
PASS tcp_keepali	ve_time 3	300 seconds		IBM<=300
PASS				
Current User L	imits (mqm	1)		
nofile PASS	(- Hn)	10240 files		IBM>=10240
nofile	(-Sn)	10240 files		IBM>=10240
PASS nproc	(- Hu)	9 of 16384 processes	(0%)	IBM>=4096
PASS		·		
nproc PASS	(-Su)	9 of 16384 processes	(0%)	IBM>=4096

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set the default installation

With **root** user

/opt/mqm/bin/setmqinst -i -p /opt/mqm/

118 of 118 tasks have been completed successfuly. 'Installation1' (/opt/mqm) set as the Primary Installation.



Works with MQ

With mqm user

Set the environment

. /opt/mqm/bin/setmqenv -s

Display the status of MQ

Dspmqver

Name: WebSphere MQ

Version: 7.5.0.4

Level: p750-004-140807 BuildType: IKAP - (Production)

Platform: WebSphere MQ for Linux (x86-64 platform)

Mode: 64-bit

0/S: Linux 3.8.13-55.1.2.el6uek.x86_64

InstName: Installation1

InstDesc:

Primary: Yes

InstPath: /opt/mqm
DataPath: /var/mqm

MaxCmdLevel: 750

LicenseType: Production

Set User to access in remote to WebSPhere MQ

Add user to mqm

useradd -G mqm <user_name_in lower_case>



Install single instance MQ

With the user mam on the MQ Server

Create Listener, Channel and Queues

From <TAFJ HOME>/AppServer/MQ/

Execute MQCommand to create the Queue Manager MQT24, the Channel and the queues

. ./MOCommand

```
WebSphere MQ queue manager created.
Directory '/var/mqm/qmgrs/MQT24' created.
The queue manager is associated with installation 'Installation1'.
Creating or replacing default objects for queue manager 'MQT24'.
Default objects statistics: 74 created. 0 replaced. 0 failed.
Completing setup.
Setup completed.
WebSphere MQ queue manager 'MQT24' starting.
The queue manager is associated with installation 'Installation1'.
5 log records accessed on queue manager 'MQT24' during the log replay phase.
Log replay for queue manager 'MQT24' complete.
Transaction manager state recovered for queue manager 'MQT24'.
WebSphere MQ queue manager 'MQT24' started using V7.5.0.4.
5724-H72 (C) Copyright IBM Corp. 1994, 2011. ALL RIGHTS RESERVED.
Starting MQSC for queue manager MQT24.
     1 : DEFINE LISTENER('LISTENER.TCP') TRPTYPE(TCP) PORT(1414) CONTROL(QMGR)
AMQ8626: WebSphere MQ listener created.
     2 : START LISTENER('LISTENER.TCP')
AMQ8021: Request to start WebSphere MQ listener accepted.
     3 : DEFINE CHANNEL('SYSTEM.ADMIN.SVRCONN') CHLTYPE(SVRCONN)
AMQ8014: WebSphere MQ channel created.
     4 : DEFINE CHANNEL('T24 CHANNEL') CHLTYPE(SVRCONN)
AMQ8014: WebSphere MQ channel created.
     5 : ALTER QMGR CHLAUTH(DISABLED)
AMQ8005: WebSphere MQ queue manager changed.
     6 : DEFINE QLOCAL('T24.0FS.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
     7 : DEFINE QLOCAL('T24.0FS.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
     8 : DEFINE QLOCAL('T24.BROWSER.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
     9 : DEFINE QLOCAL('T24.BROWSER.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
```





```
10 : DEFINE QLOCAL('T24.ARC.MOBILE.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    11 : DEFINE QLOCAL('T24.ARC.MOBILE.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    12 : DEFINE QLOCAL('T24.TWS.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ gueue created.
   13 : DEFINE QLOCAL('T24.TWS.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    14 : DEFINE QLOCAL('T24.TCIB.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    15 : DEFINE QLOCAL('T24.TCIB.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    16 : DEFINE QLOCAL('T24.TCIB.CORP.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    17 : DEFINE QLOCAL('T24.TCIB.CORP.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    18 : DEFINE QLOCAL('T24.TCIB.WEALTH.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    19 : DEFINE QLOCAL('T24.TCIB.WEALTH.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    20 : DEFINE QLOCAL('T24.CALLAT.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    21 : DEFINE QLOCAL('T24.CALLAT.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    22 : DEFINE QLOCAL('T24.SEAT.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    23 : DEFINE QLOCAL('T24.SEAT.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
      - :
    24 : DEFINE QLOCAL('T24.IF.OUTBOUND.QUEUE') DEFPSIST(YES) SHARE
AMO8006: WebSphere MO gueue created.
    25 : DEFINE QLOCAL('T24.IF.INBOUND.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    26 : DEFINE TOPIC('T24.EVENTS.TOPIC') TOPICSTR('/')
AMQ8690: WebSphere MQ topic created.
      .
26 MQSC commands read.
No commands have a syntax error.
All valid MQSC commands were processed.
```



Create JMS Bindings

You need to create bindings for Application server (except WebSphere Application Server) to connect to WebSphere MQ.Create a simple file-based JNDI context and configure the JMS objects in that JNDI namespace. These JNDI objects are used by Application Server to connect to the WebSphere MQ queue manager. **The bindinds file has to be copied on each Server running the Application Server.**

With the user **mqm** on the MQ Server

Set up the PROVIDER_URL

Edit the file <TAFJ HOME>/AppServer/MQ/JMSAdmin.config

Set up the PROVIDER URL and replace the value :

i.e

Windows:

INITIAL_CONTEXT_FACTORY=com.sun.jndi.fscontext.RefFSContextFactory
PROVIDER_URL=file:/C:/Temenos/MQ-JNDI
SECURITY_AUTHENTICATION=none

Linux/UNIX:

INITIAL_CONTEXT_FACTORY=com.sun.jndi.fscontext.RefFSContextFactory
PROVIDER_URL=file:///Temenos/MQ-JNDI
SECURITY_AUTHENTICATION=none

Setup the java path of MQ

Edit the file <TAFJ_HOME>/AppServer/MQ/MQBinding

Setup the java path of MQ in the value [path_to java_MQ] MQ_JAVA_INSTALL_PATH=[path_to java_MQ]

Windows:

MQ_JAVA_INSTALL_PATH="C:\Program
MQ\java"
Linux/UNIX:
 MQ_JAVA_INSTALL_PATH=/opt/mqm/java

Files\IBM\WebSphere





Set the correct IP Address in t24Bind

Generate the binding with the command

./MQBindings

```
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disclosure restricted by GSA ADP Schedule Contract with
IBM Corp.
Starting WebSphere MQ classes for Java(tm) Message Service Administration
InitCtx>
Stopping WebSphere MQ classes for Java(tm) Message Service Administration
```

Check PROVIDER_URL folder

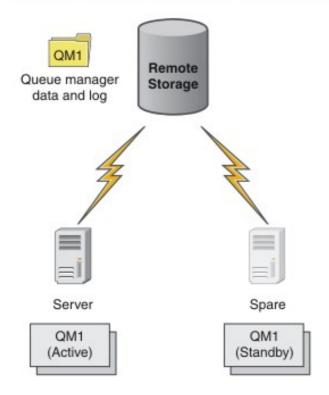
You have a file .bindings



Install multiple-instances MQ

Install the MQ instance in both the servers in which multi instance queue manager need to be created.

Figure 1. Multi-instance queue manager



With the user mqm.

Create the structure on a NFS share:

On a common NFS share.



Commands:

mkdir mqshared
cd mqshared
mkdir qmgrs
mkdir logs
chown -R mqm:mqm mqshared
chmod -R ug+rwx mqshared

Create the Queue Manager MQT24

On server 1

crtmqm -ld .../mqshared/logs -md .../mqshared/qmgrs MQT24

WebSphere MQ queue manager created.
Directory '/mnt/noroelshr01/mqshared/qmgrs/MQT24' created.
The queue manager is associated with installation 'Installation1'.
Creating or replacing default objects for queue manager 'MQT24'.
Default objects statistics : 74 created. 0 replaced. 0 failed.
Completing setup.
Setup completed.



Display the information of the Queue Manager MQT24

On server 1

dspmqinf -o command MQT24

addmqinf -s QueueManager -v Name= MQT24-v Directory= MQT24-v Prefix=/var/mqm -v DataPath=/pocdata/mqshared/qmgrs/ MQT24

On server 2

Create the queue manager base on the info from the server 1

addmqinf -s QueueManager -v Name= MQT24-v Directory= MQT24-v Prefix=/var/mqm -v DataPath=/pocdata/mqshared/qmgrs/ MQT24

WebSphere MQ configuration information added.

Start MQT24

On server 1

strmgm -x MQT24

WebSphere MQ queue manager 'MQT24' starting. The queue manager is associated with installation 'Installation1'. 5 log records accessed on queue manager 'MQT24' during the log replay phase.

Log replay for queue manager 'MQT24' complete. Transaction manager state recovered for queue manager 'MQT24'. WebSphere MQ queue manager 'MQT24' started using V7.5.0.4.

On server 2

strmam -x MOT24

WebSphere MQ queue manager 'MQT24' starting. The queue manager is associated with installation 'Installation1'. A standby instance of queue manager 'MQT24' has been started. The active instance is running elsewhere.



Verify the Cluster

```
On Server 1
     amqmfsck .../mqshared/qmgrs
The tests on the directory completed successfully.
On Server 2
     amgmfsck .../mgshared/gmgrs
The tests on the directory completed successfully.
On Server 1
     amgmfsck -w .../mgshared/gmgrs
Start a second copy of this program with the same parameters
on another server.
File lock acquired.
Press Enter or terminate this process to release the lock.
File lock released.
The tests on the directory completed successfully.
On Server 2
     amqmfsck -w .../mqshared/qmgrs
Waiting for the file lock.
File lock acquired.
Press Enter or terminate this process to release the lock.
File lock released.
The tests on the directory completed successfully.
```



Create Listener, Channel and Queues

On Server 1

With the user mgm on the MQ Server

From <TAFJ_HOME>/AppServer/MQ/

Execute MQCommand to create the Queue Manager MQT24, the Channel and the queues

. ./MQCommand

```
AMQ8110: WebSphere MQ queue manager already exists.
WebSphere MQ queue manager running.
5724-H72 (C) Copyright IBM Corp. 1994, 2011. ALL RIGHTS RESERVED.
Starting MQSC for queue manager MQT24.
     1 : DEFINE LISTENER('LISTENER.TCP') TRPTYPE(TCP) PORT(1414) CONTROL(QMGR)
AMQ8626: WebSphere MQ listener created.
     2 : START LISTENER('LISTENER.TCP')
AMQ8021: Request to start WebSphere MQ listener accepted.
     3 : DEFINE CHANNEL('SYSTEM.ADMIN.SVRCONN') CHLTYPE(SVRCONN)
AMQ8014: WebSphere MQ channel created.
     4 : DEFINE CHANNEL('T24_CHANNEL') CHLTYPE(SVRCONN)
AMQ8014: WebSphere MQ channel created.
     5 : ALTER QMGR CHLAUTH(DISABLED)
AMQ8005: WebSphere MQ queue manager changed.
     6 : DEFINE QLOCAL('T24.0FS.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
     7 : DEFINE QLOCAL('T24.0FS.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
     8 : DEFINE QLOCAL('T24.BROWSER.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
     9 : DEFINE QLOCAL('T24.BROWSER.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    10 : DEFINE QLOCAL('T24.ARC.MOBILE.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    11 : DEFINE QLOCAL('T24.ARC.MOBILE.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    12 : DEFINE QLOCAL('T24.TWS.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    13 : DEFINE QLOCAL('T24.TWS.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    14 : DEFINE QLOCAL('T24.TCIB.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    15 : DEFINE QLOCAL('T24.TCIB.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    16 : DEFINE QLOCAL('T24.TCIB.CORP.QUEUE') DEFPSIST(YES) SHARE
```

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```
AMQ8006: WebSphere MQ gueue created.
   17 : DEFINE QLOCAL('T24.TCIB.CORP.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    18 : DEFINE QLOCAL('T24.TCIB.WEALTH.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
   19 : DEFINE QLOCAL('T24.TCIB.WEALTH.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    20 : DEFINE QLOCAL('T24.CALLAT.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    21 : DEFINE QLOCAL('T24.CALLAT.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    22 : DEFINE QLOCAL('T24.SEAT.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    23 : DEFINE QLOCAL('T24.SEAT.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    24 : DEFINE QLOCAL('T24.IF.OUTBOUND.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    25 : DEFINE QLOCAL('T24.IF.INBOUND.REPLY.QUEUE') DEFPSIST(YES) SHARE
AMQ8006: WebSphere MQ queue created.
    26 : DEFINE TOPIC('T24.EVENTS.TOPIC') TOPICSTR('/')
AMQ8690: WebSphere MQ topic created.
26 MQSC commands read.
No commands have a syntax error.
All valid MQSC commands were processed.
```

Create connexion name

On Server 1

With the user mqm on the MQ Server

Command to create the connection name:

```
DEFINE CHANNEL('T24_CHANNEL') CHLTYPE(CLNTCONN)
CONNAME('IP(port), IP(port)') QMNAME(MQT24) replace
```

runmgsc MQT24

```
DEFINE CHANNEL('T24_CHANNEL') CHLTYPE(CLNTCONN)
CONNAME('10.9.237.185(1414), 10.9.237.186(1414)')
QMNAME(MQT24) replace
START CHANNEL(T24_CHANNEL)
DISPLAY CHANNEL(T24_CHANNEL)
```



Create JMS Bindings

You need to create bindings for Application server (except WebSphere Application Server) to connect to WebSphere MQ.Create a simple file-based JNDI context and configure the JMS objects in that JNDI namespace. These JNDI objects are used by Application Server to connect to the WebSphere MQ queue manager. **The bindinds file has to be copied on each Server running the Application Server.**

On Server 1

With the user mgm on the MQ Server

Set up the PROVIDER_URL

Edit the file <TAFJ_HOME>/AppServer/MQ/JMSAdmin.config

Set up the PROVIDER URL and replace the value :

i.e

Windows:

INITIAL_CONTEXT_FACTORY=com.sun.jndi.fscontext.RefFSContextFactory
PROVIDER_URL=file:/C:/Temenos/MQ-JNDI
SECURITY_AUTHENTICATION=none

Linux/UNIX:

INITIAL_CONTEXT_FACTORY=com.sun.jndi.fscontext.RefFSContextFactory
PROVIDER_URL=file:///Temenos/MQ-JNDI
SECURITY AUTHENTICATION=none

Setup the java path of MQ

Edit the file <TAFJ HOME>/AppServer/MQ/MQBinding

Setup the java path of MQ in the value [path_to java_MQ] MQ_JAVA_INSTALL_PATH=[path_to java_MQ]

Windows:



Set the correct IP Address in t24Bind

```
Edit the file <TAFJ_HOME>/AppServer/MQ/t24Bind

Modify the connection of t24Bind

With the option : CLIENTRECONNECTOPTIONS(QMGR)
CONNECTIONNAMELIST(IP(port), IP(port))

def xaqcf(MQConnectionFactory) transport(CLIENT)
channel(T24_CHANNEL) host([ip]) port(1414) qmgr(MQT24)

i.e
def xaqcf(MQConnectionFactory) transport(CLIENT)
channel(T24_CHANNEL) qmgr(MQT24)
CONNECTIONNAMELIST(10.9.237.185(1414), 10.9.237.186(1414))
```

Generate the binding with the command

./MQBindings

```
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disclosure restricted by GSA ADP Schedule Contract with
IBM Corp.
Starting WebSphere MQ classes for Java(tm) Message Service Administration
InitCtx>
InitCtx>
InitCtx>
InitCtx>
InitCtx>
InitCtx>
InitCtx>
InitCtx>
InitCtx>
Stopping WebSphere MQ classes for Java(tm) Message Service Administration
```

Check PROVIDER_URL folder

You have a file .bindings



Display the status of the Queue Manager

```
On Server 1
runmqsc MQT24
DISPLAY QMSTATUS ALL
    1 : DISPLAY QMSTATUS ALL
AMQ8705: Display Queue Manager Status Details.
                                          STATUS (RUNNING)
   QMNAME (T24QM1)
   CONNS(21)
                                          CMDSERV (RUNNING)
   CHINIT(RUNNING)
                                          INSTNAME(Installation1)
                                          INSTDESC( )
   INSTPATH(/t24app1/mqpoc)
   STANDBY (PERMIT)
                                          STARTDA (2015 - 02 - 12)
   STARTTI (09.58.18)
On Server 1
dspmq -x -o standby -o status
QMNAME (MQT24)
                                            STATUS (Running)
STANDBY(Permitted)
    INSTANCE(Host1) MODE(Active)
    INSTANCE(Host2) MODE(Standby
On Server2
dspmg -x -o standby -o status
QMNAME(MQT24)
                              STATUS(Running as standby)
STANDBY(Permitted)
  INSTANCE(Host1) MODE(Active)
  INSTANCE(Host2) MODE(Standby
```



Test failover

```
On Server 1
dspmq -x -o standby
QMNAME (MQT24)
                                        STANDBY(Permitted)
    INSTANCE(Host1) MODE(Active)
    INSTANCE(Host2) MODE(Standby
On Server 2
dspmq -x -o standby
QMNAME (MQT24)
                                        STANDBY(Permitted)
    INSTANCE(Host1) MODE(Active)
    INSTANCE(Host2) MODE(Standby
On Server 1
endmgm -is MQT24
Waiting for queue manager 'MQT24' to end.
WebSphere MQ queue manager 'MQT24' ending.
WebSphere MQ queue manager 'MQT24' ended, permitting
switchover to a standby
instance.
dspmq -x -o standby
OMNAME (MOT24)
STANDBY(Permitted)
    INSTANCE(Host2) MODE(Active)
On Server 1
dspmq -x -o standby
QMNAME (MQT24)
STANDBY(Permitted)
    INSTANCE(Host2) MODE(Active)
```

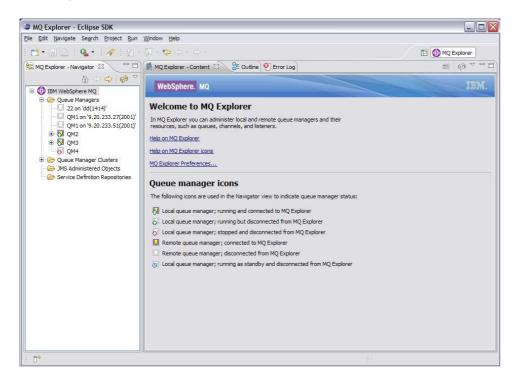


On Server 1

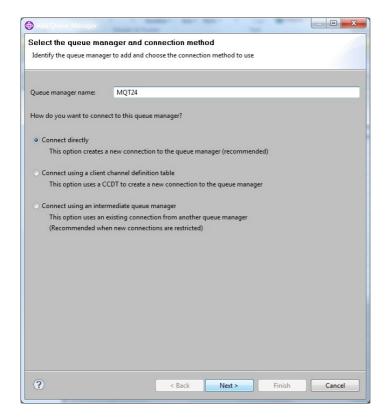
```
strmqm -x MQT24
WebSphere MQ queue manager 'T24QM1' starting.
The queue manager is associated with installation
'Installation1'.
A standby instance of queue manager 'T24QM1' has been started.
The active
instance is running elsewhere.
dspmq -x -o standby
QMNAME (MQT24)
                                       STANDBY(Permitted)
    INSTANCE(Host2) MODE(Active)
    INSTANCE(Host1) MODE(Standby
On Server 2
dspmq -x -o standby
QMNAME (MQT24)
                                       STANDBY(Permitted)
    INSTANCE(Host2) MODE(Active)
    INSTANCE(Host1) MODE(Standby
```



MQ Explorer



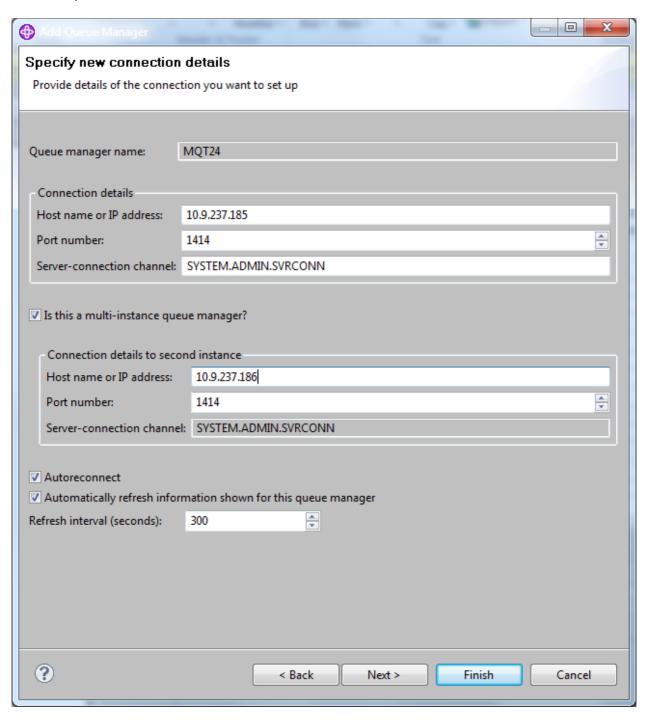
Queue manager -> Add remote Queue manager



Next...



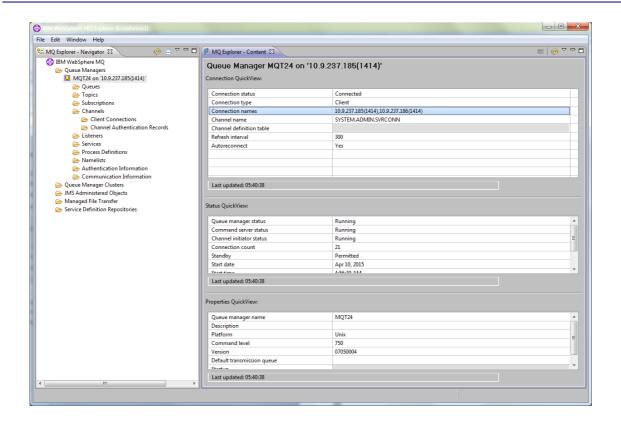
Select Is this a multi-instance queue manager? Give the Ip Adress of the Server 1 and 2



Press Finish...



TAFJ-AS WeblogicInstall v10.3/12.1.x



Select Queues

