

Lab: Install QXtend 1.4

- Install QXtend 1.4
- Use the lab worksheet and installation guide as a reference

QXtend Installation Lab

Refer to the QXtend Installation guide when working through this lab. A copy of the Installation Guide is in [\\qxdemo\mfg\techrefs](#)

We will leave the current install intact and install each component to a different location. After the install completes we will then walk through what has been built by the installer, what needs to be completed manually and any problems that people may have encountered.

Prerequisite steps

Execute the **/home/mfg/stopall** script to stop all the databases etc running.

We will be using the parameter service for this new install so start tomcat using the script: **/qad/tomcat/bin/startup.sh**. Tomcat needs to be running because the installer will deploy a new parameter service web application.

Installation steps

1. Starting the installer

Start the QXtend installer by going to **/home/mfg/media** and running the command:
./QXtend.bin

The installer will self-extract and you should be presented with the welcome script. Note due to the VMware performance it may take a few minutes before the screen displays. Click Next and accept the licence terms of use.

Enter a location to write the installation log files to: **/home/mfg/testintall** and click Next.

2. Deploying the parameter service

The Parameter Service screen displays. This screen asks for information about which type of parameter service the install will be using. It does not relate to the QXtend Inbound web application or the QXtend Outbound web application.

It is a separate web application that is used solely by the QXtend installer for storing the installation configuration parameters and the current status of the install.

Make sure “Use Parameter Service” is ticked and “Network Service” is selected.
Enter the following information:

Tomcat Host:	localhost
Tomcat Port:	8080
Webapp Name:	config
Tomcat Admin User:	admin
Admin Password:	mfgpro

Click Next. A pop-up should display indicating the installer could not detect a web application called config,
do you want to deploy a new parameter service. Yes we want to deploy the new parameter service.

3. **Specify Environment and Host**

Specify an environment. An environment is used to indicate a group of components that relate to a certain

environment. This could be demo, test, live, validation, etc. We will use the environment name “test”. Click

Create New and enter the name “test”.

Click Next and the Host Selection screen should display. Enter the host name where you want to install

each of the modules. We are performing a single tier installation so click Add and enter the host name: qxdemo.

4. **Select Modules to install**

Select the following modules to install:

QXI Servlet

QXI Adapter Code

QXO Servlet

QXO Adapter Code

QXO AppServer Code

QXO Events Database

QXO Database

Click Next. You should then see the list of modules selected for install and all related parameters required for

the currently highlighted module. You need to populate each of the module’s parameters before clicking the

Next Button. **Use the Installation Worksheet at the end of this document** to assist in entering the required data.

5. **Entering installation parameter information**

The first module selected is the QXI Servlet. Enter all the parameter information and then click on the QXI Adapter

module. You will notice that the panels displayed below have changed. These panels relate to information required

for the QXI Adapter. Enter the required information. Continue to go through each of the modules.

After entering all of the required parameters click the Next Button. You will be presented with a summary screen

of what will be installed. The list should correspond to the modules selected above.

6. **Click the Install Button**

Once you are happy with the selected modules click the Install button and installation will begin.

A progress bar along the bottom of the installation screen should start indicating the current progress of the install.

Please wait until the installation has completed.

7. Post installation steps

When the installer has completed review the message displayed and click done. If errors were encountered you

will need to consult the installation log files. The log files should be in **/home/mfg/testinstall**.

You need to restart Tomcat before the QXtend Inbound connection pools will work. Stop Tomcat using

/qad/tomcat/bin/stoptomcat.sh and start it again using **/qad/tomcat/bin/startup.sh**

Before we can start using QXtend there are a number of manual steps required.

1. Modify the startqxodb.sh and stopqxodb.sh scripts in /qad/testqxodb. You can use the versions from the previous install for reference (/qad/qxodb/startqxodb.sh and stopqxodb.sh)

Replace \$QXODB_DLC\$ with /qad/dlc101b
Replace \$QXODB_PHY\$ with qxodb
Replace \$QXODB_SERVICE\$ with qxodb-service

2. Modify the start-sess.sh script in /qad/test/qxoserver/scripts. This script is used to start the Event Service, Message Publisher, Message Sender and Archive Service.

Replace \$QXODB_DLC\$ with /qad/dlc101b
Replace \$USER_MAGIC_FOLDER_7\$ with /qad/test/qxoserver
Replace \$QXODB_PHY\$ with qxodb
Replace \$QXODB_HOST\$ with qxdemo
Replace \$QXODB_SERVICE\$ with qxodb-service

Make sure the script is an executable. The command: `chmod 755 start-sess.sh` will achieve this.

3. Modify the QAD 2007.1 client connection script to include the new location of the QXtend adapter code. We will leave the original version intact and copy the client.Demonstration to test.Demonstration. Modify the PROPATH of test.Demonstration to include the Outbound Adapter Code location specified during the install (/qad/adapter/qxo)
4. Create the telnet connection pool script. You can take a copy of the client.qxtend and call it test.qxtend. Edit this file to modify the PROPATH to include the Inbound and Outbound adapter directories specified during the install. (/qad/adapter/qxi,/qad/adapter/qxo)

8 Start the Application

Don't use the startall script to start everything as this script points to the previous installation.

To start the new installation use the following commands:

/qad/mfgsvr/start.Demonstration to start QAD 2007.1 databases

./startqxodb.sh in /qad/testqxodb to start the QXO DB Server

/qad/dlc101b/bin/proadsv -start to start the Admin Server and AppServers

Wait a few minutes for everything to start up. Then open a browser and point to <http://qxdemo:8080/qxitest> to view the Inbound web application. Use <http://qxdemo:8080/qxotest> to view the Outbound web application.

If you can see both the web applications...congratulations you have successfully installed the QXtend 1.4

application. However the true success will not be known until you have configured the application to start

processing messages. The following will need to be configured:

QXtend Inbound

Chapter 11 of the QXtend Technical Reference guide: "Configuring and Using QXtend Inbound" walks through the configuration steps required or refer to the training slides from the 2-day primer course.

1. Connection Pool (using test.qxtend as the connection script)
2. Receivers: Create a receiver and add QDocs to it
3. Use the Test Harness to verify the connection pool settings, create empty QDocs and process test requests.

QXtend Outbound

Chapter 2 of the QXtend Technical Reference Guide: "Implementing QXtend Outbound" walks through each of the configuration steps or refer to the training slides from the 2-day primer course.

1. Source Application Type of mfgpro-eb2.1 and Source Application connecting to mfgdemo and qxevents:

Name	Connection Parameters	Logical Name
mfgdemo	-H qxdemo – S mfgdemo- service	qadddb
qxevents	-H qxdemo – S qxevents- service	qxevents

2. Import BO XML: Configuration à Utilities à XML Import

Enter: mfgpro-eb2.1/*/* and tick Business Objects and Profiles

3. Event Service: Create an event service and register the source application with it.
4. Message Publisher: Create a publisher and register Customer BO with it
5. Subscribers: Create a subscriber and register the Customer profile with it
6. Message Sender: Create a Sender and register the Subscriber with it.
7. Validate Configuration: Configuration à Utilities à Validate Configuration
8. Start the QXO services: Dashboard à Services à Start All
9. Test the setup.

Installation worksheet

The following worksheet contains the parameters to use for installing QXtend 1.4 on the “qxdemo” Virtual Machine image.

Panel Group	Description	Setting
Tomcat	Tomcat Home	/qad/tomcat
	Tomcat Host	localhost
	Tomcat Admin User	admin
	Tomcat Admin Password	mfgpro
	Tomcat Port	8080
	Java Home	/usr/java/jdk1.5.0_05
QAD Enterprise Applications	QAD Enterprise Applications Home	/qad/mfgsvr

	QAD Enterprise Applications Version	eB2.1
	QAD Enterprise Applications SP	Other
	QAD Enterprise Applications PROPATH	/qad/mfgsvr/xrc,
	QAD Enterprise Applications Empty DB Dir	/qad/mfgsvr/db
	QAD Enterprise Applications Empty DB	mfgempty
	MFG Admin Empty DB	admempty
	QXtend Compile DB Set	Compile
	Progress for QAD Enterprise Applications	/qad/dlc101b
QAD Enterprise Applications Database	QAD Enterprise Applications DB Service Name	mfgdemo-service
	DB Host name	qxdemo
	Physical name	mfgdemo
QAD Enterprise Applications Admin DB	Service Name	admdemo-service
	DB Host Name	qxdemo
	Physical name	admdemo
QXEvents Database	Physical Name	qxevents
	Database Directory	/qad/mfgsvr/db
	Service Name	qxevents-service
	Service Port	6640
	Progress Directory	/qad/dlc101b
Outbound Database	Physical Name	qxodb
	Database Directory	/qad/testqxodb
	Host	qxdemo
	Service Name	qxodb-service
	Service Port	6600
	Progress Directory	/qad/dlc101b
Inbound Adapter	Destination Directory	/qad/adapter/qxi

Inbound Web Application	WebApp Name	qxitest
Outbound Adapter	Destination Directory	/qad/adapter/qxo
Outbound Web Application	WebApp Name	qxotest
	AppServer Name	qxo_AS
	AppServer Host	qxdemo
	Name Server Port	5162
Outbound Server	Desitination Directory	/qad/test/qxoserver
	AppServer Name	qxo_AS
	AppServer Port	10000
	Max Connections	20
	Name Server	NS1
	.NET UI Directory	/qad/mfgsvr/qadui
	Progress Directory	/qad/dlc101b
Log	Install Log	/home/mfg/testinstall