Installation Guide

QAD Business Intelligence Portal

78-0956A
BI Portal v3.5
October 2011

BIPortal_IG_v0305.pdf/dbg/bkp

QAD Inc.
100 Innovation Place
Santa Barbara, California 93108
Phone (805) 566-6000
http://www.qad.com

Contents

Chapter 1

Installing QAD BI Analytical Modules

This chapter describes the initial setup of the Data Warehouse, and the installation and configuration steps for QAD Business Intelligence Suite (Order Management, Operations, and Financials Modules).

It discusses the following topics:

Pre-Install Information

To save time during the installation, ask the customer in advance for information that you will need during the install. In Chapter 4 of the Install Guide, use Table 4.3 on page 70 to get system information and Table 4.4 on page 70 to get Parameter information from the customer.

There are two installation packages for Progress Open Edge for Windows: one is for 64-bit, one for 32-bit.

Currently, the 32-bit version must be installed, **not** the 64-bit version. Even if you have a 64-bit server, you have to install the 32-bit package to get the 32-bit ODBC drivers. QAD's understanding of the Progress Open Edge knowledge base is that you cannot install both on the same server (so you cannot install the 64-bit package on your 64-bit server but then install the 32-bit ODBC drivers; you have to just install the 32-bit Open Edge package).

Data Warehouse

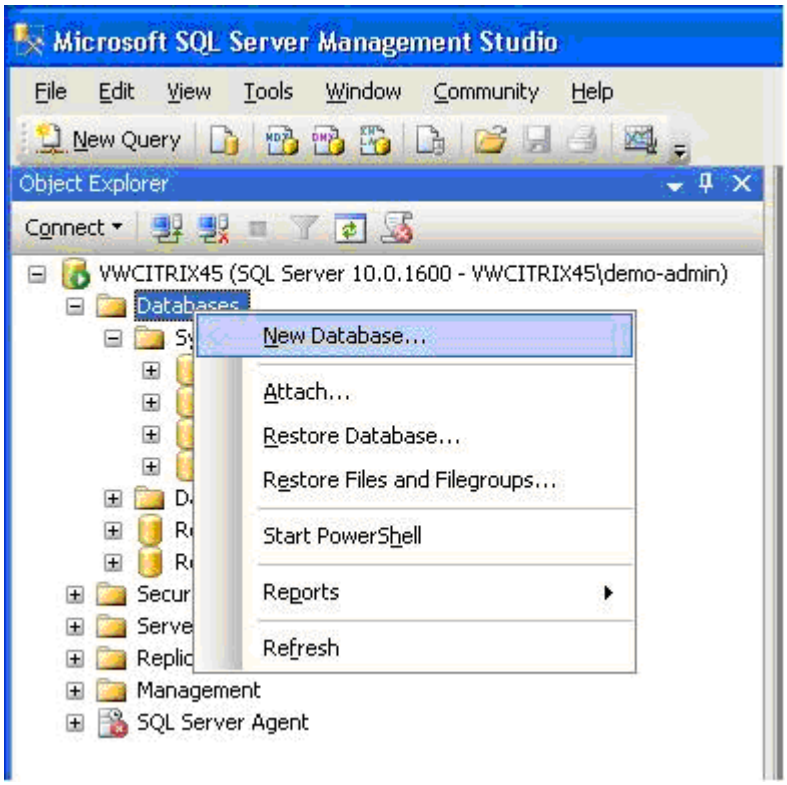
A Data Warehouse must be initialized properly prior to the installation of any QAD BI Analytical Modules.

Follow the steps below to install and configure a new QAD BI Data Warehouse instance.

1 Create a database in SQL Server.

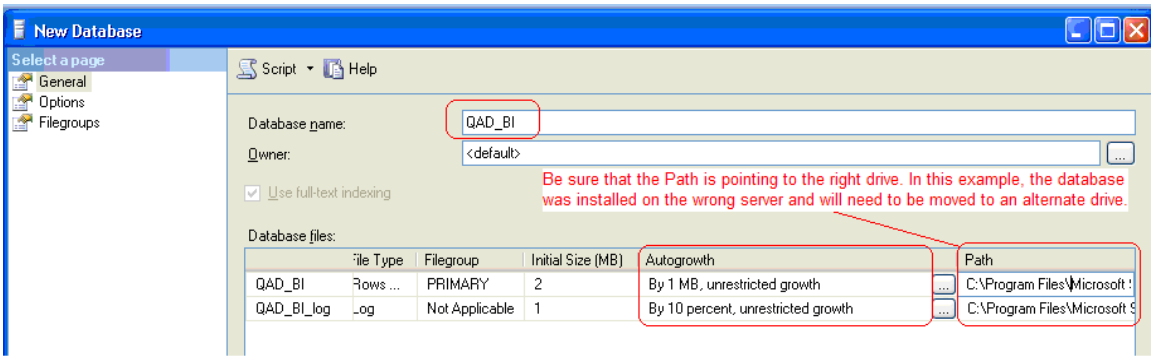
   a From the Microsoft SQL Server Management Studio, right-click on Database, Create new database.

Fig. 1.1
Create New Database 1



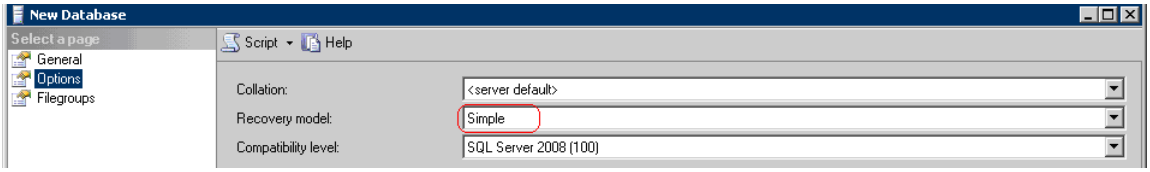
b Enter the new Database name. Make sure that the Path for the database is pointing to the correct server. Make a note for step c.

Fig. 1.2
Create New Database 2



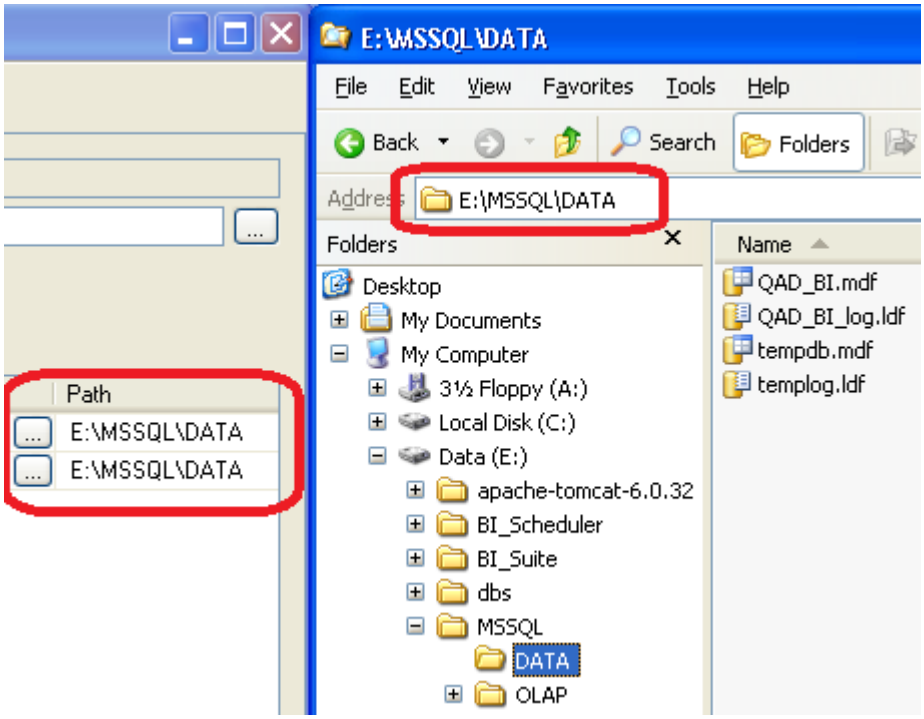
Important It is critical that you choose the Simple recovery mode from the Option tab.

Fig. 1.3
Create New Database3



c If the Path from step b above is correct (pointing at the correct server), skip to step 2. If the path is incorrect, create a new folder on the correct server. Once created put that directory in for the Path for the database.

Fig. 1.4
Create New Database 4



d Following up on Step c, if the Path was wrong for the database, the temp database needs to be checked to confirm that it is being accessed on the right server. Launch a SQL Server database query against your new database and run the following query:

```
USE tempdb
go
exec sp_helpfile
go
```

If the results point to the correct directory, go to step 2. Otherwise, set the tempdb folder using step e.

e In order to set the tempdb to the correct directory, reset to appropriate directory (E drive in example below; set as appropriate):

```
USE master
GO
ALTER DATABASE TempDB MODIFY FILE
(NAME = tempdev, FILENAME = 'e:\mssql\data\tempdb.mdf')
GO
ALTER DATABASE TempDB MODIFY FILE
(NAME = templog, FILENAME = 'e:\mssql\data\templog.ldf')
GO
```

f For your the setting changes to be accepted, stop and start your SQL Server. In SQL Server, go to the server name (not database) in the top of the left hand pane, right click on it and pick Restart. When asked if you are sure you want to Restart your SQL Server session say yes. Confirm that your new temp directories now contain files indicating that the database is writing to the correct directory.

2 Install QAD BI DWD (6.0.6 or above) if you have not already done so. In PC Setup, pick the QAD BI Data Warehouse Designer option and enter the customer and license key.

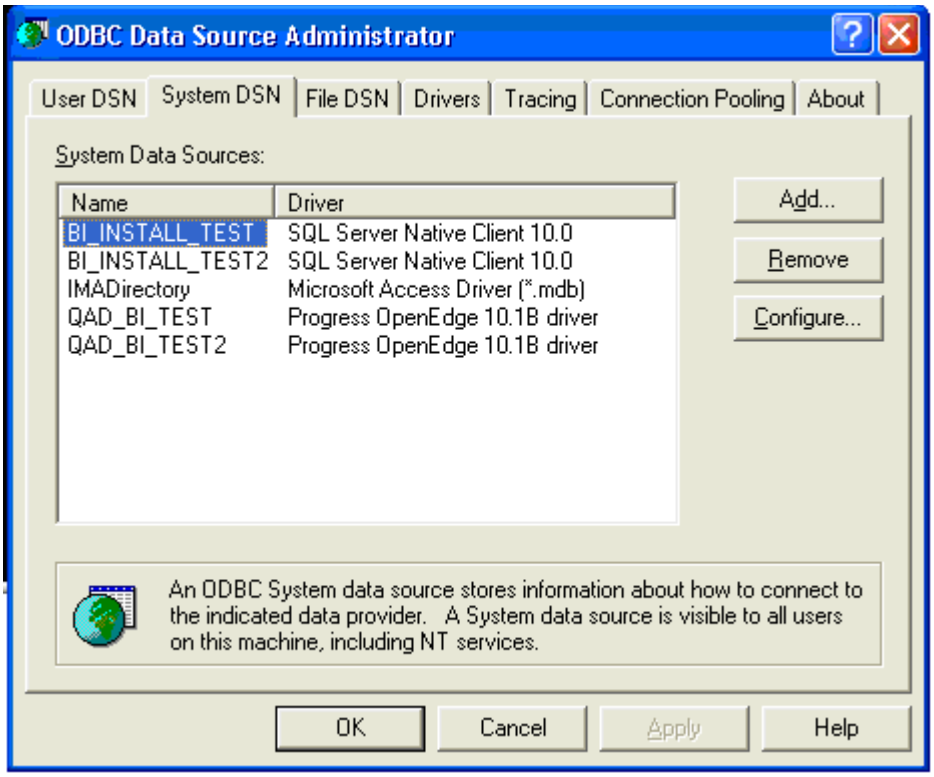
3 Launch the ODBC Data Source Administrator from the QAD BI Administrator so that ODBC connections to the Data Warehouse and to the Progress databases can be created. Using the BI Administrator, in the PC Setup tab, pick the Validate/Add Odbc Source option. In the resulting ODBC Source screen on the right, right-click and select Add Odbc entry. This will launch the ODBC Data Source Administrator.

Note ODBC is used by the Data Warehouse Designer (QAD BI DWD) to communicate with the Data Warehouse database. It also allows the DWD to communicate with QAD's Progress databases and extract data from them to be used in the data warehouse. Persons who are familiar with the ODBC Data Source Administrator can launch it through other means, but there will be the possibility, in particular if on a 64-bit system, that the correct one is not being launched (the appropriate 32 bit ODBC driver, `odbcad32.exe`, must be used). By opening the ODBC Administrator via the QAD BI Administrator, any uncertainty of which is the correct ODBC Administrator is eliminated.

4 Create the ODBC connection to the SQL Server Database. This will be a System ODBC connection, using the SQL Server Native Client driver and Windows Authentication:

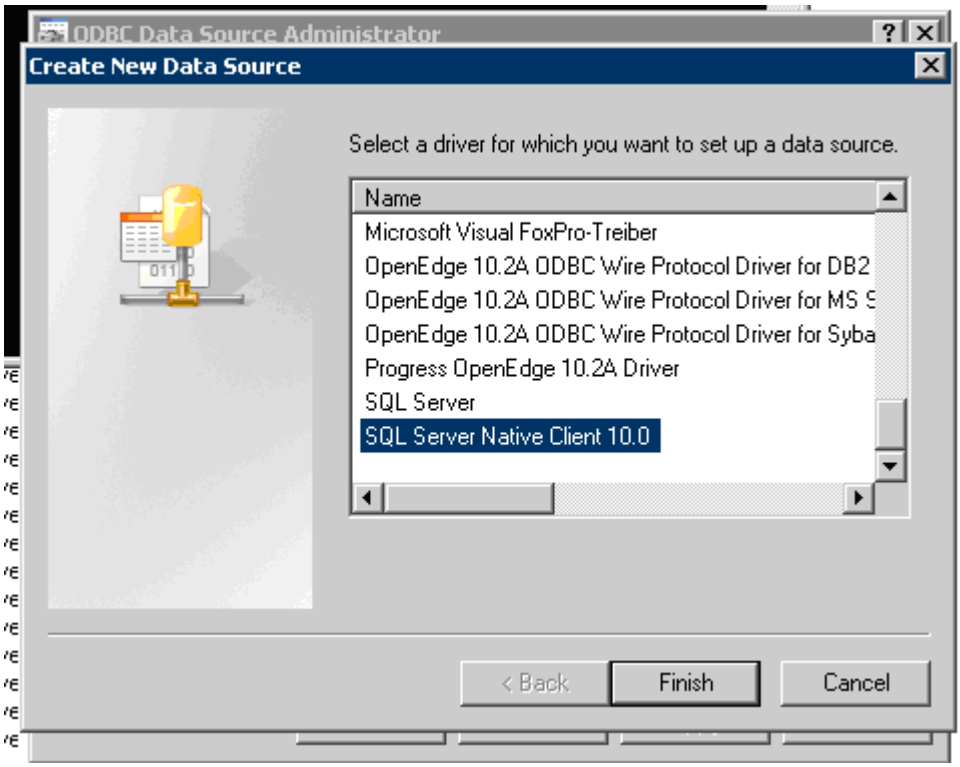
a Click on the System DSN tab and click the Add button.

Fig. 1.5
Create ODBC SQL1



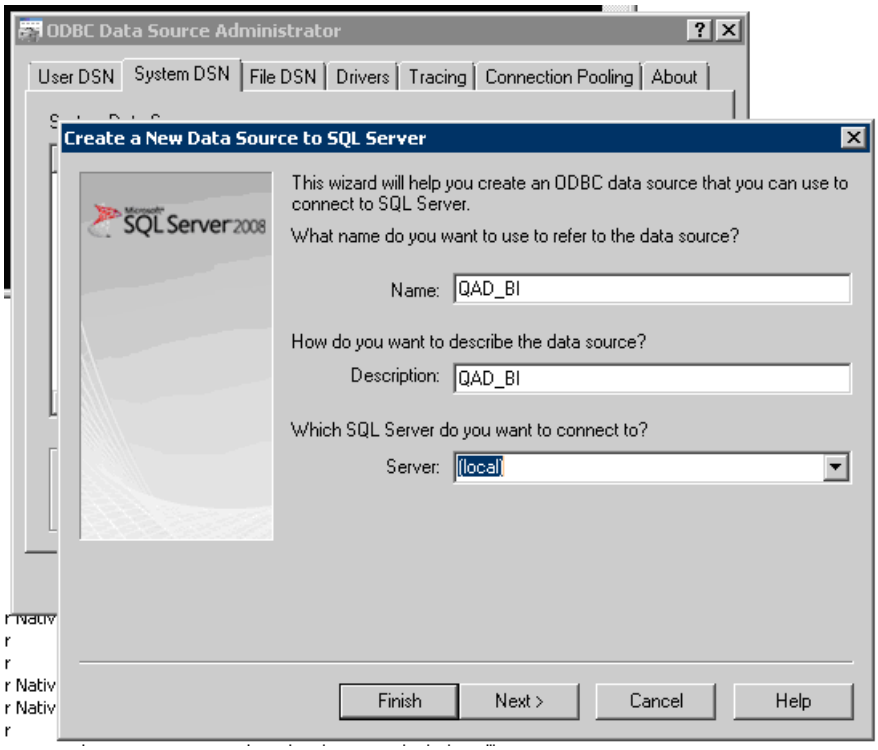
b When Create New Data Source is displayed, select SQL Server Native Client 10.0 and click Finish.

Fig. 1.6
Create ODBC SQL 2



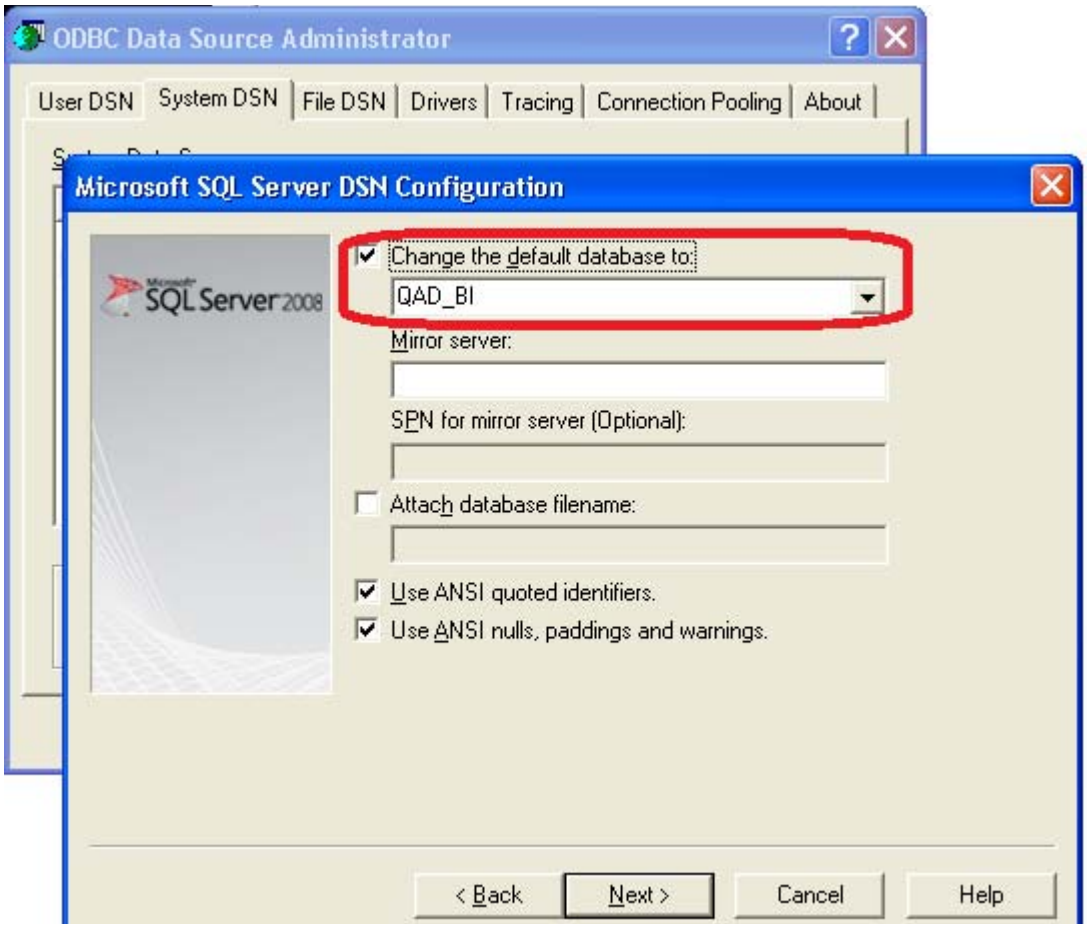
c Enter the Name, Description and Server for the Data Warehouse and click Next.

Fig. 1.7
Create ODBC SQL 3



d Choose the option With Integrated Windows authentication unless otherwise directed.

Fig. 1.8
Create ODBC SQL 4



e Select the Change the default database to: box and change the database from master to the data warehouse database. Click Next, then click Finish.

f Click the Test Data Source button in the bottom left.

g Confirm that the database connection works properly. If successful, click OK.

5 If they do not already exist, create the ODBC connections to the Progress database that the data warehouse will be extracting from using the Progress ODBC driver. ODBC is used by the Data Warehouse Engine (QAD BI DWD) to access each Data Source. You will need the following information:

- If they have a preferred connection name
- Host name
- Port number
- Database name
- User ID
- Password

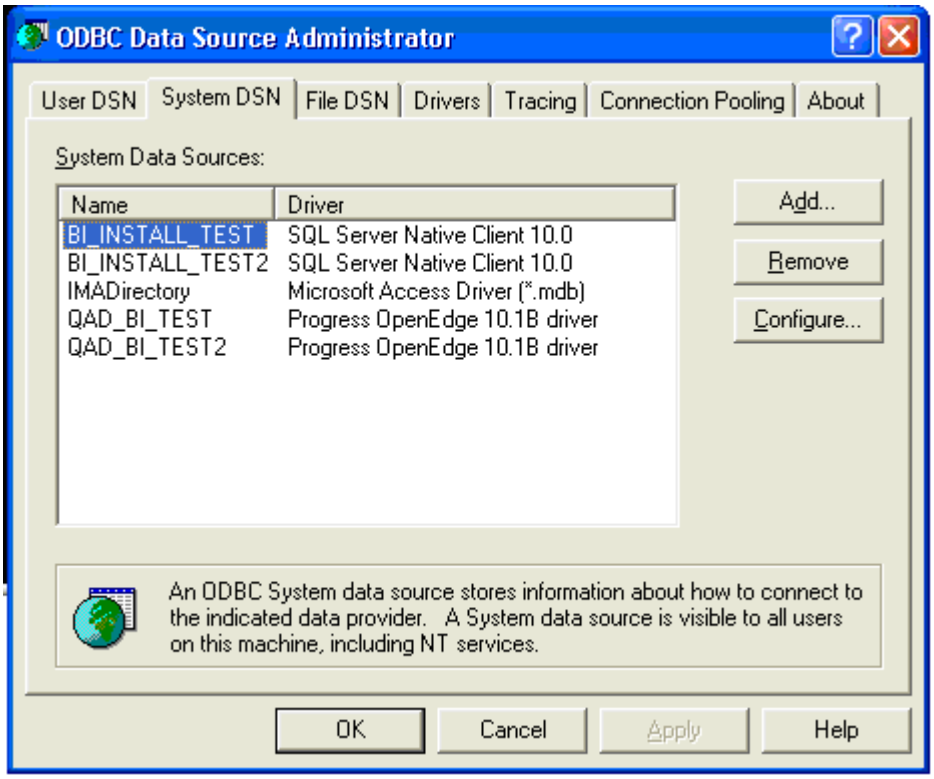
The port must be for a broker that accepts SQL connections. The user ID must have read permissions on the QAD tables.

If the Progress ODBC connects already exist, just go to steps d through f to test the connection and confirm that on the Advanced tab of the DSN configuration, the Default Isolation Level is set to READ UNCOMMITTED.

In the ODBC Administrator:

a Click the System DSN tab and click the Add button.

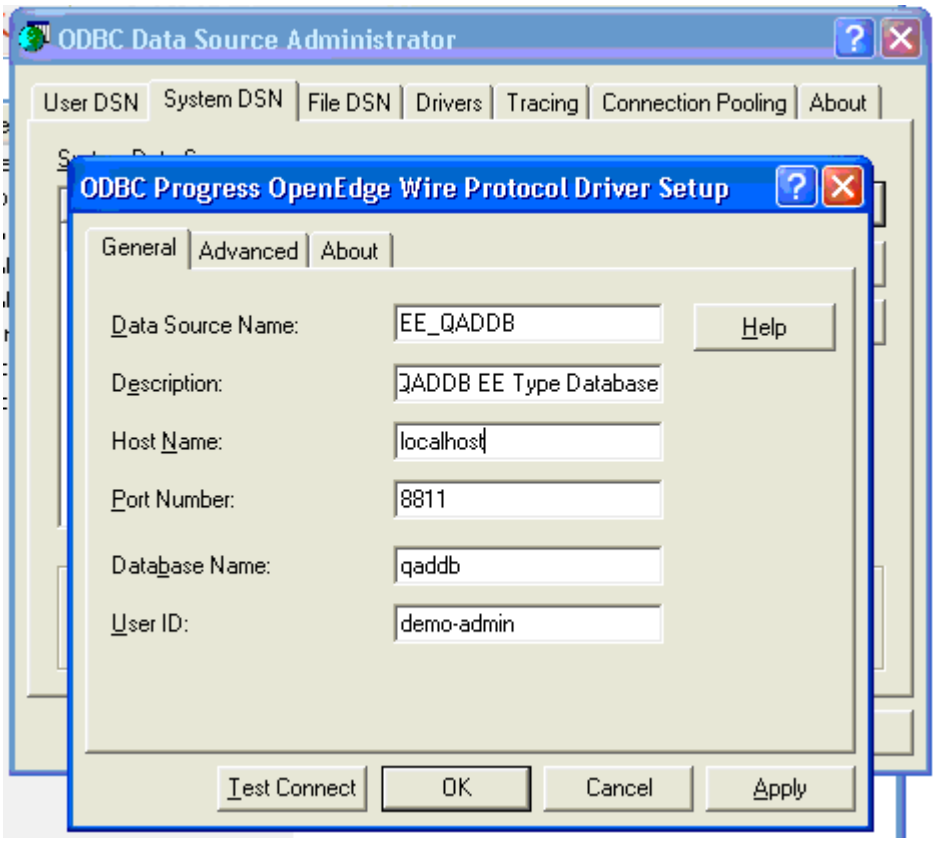
Fig. 1.9
Create ODBC Progress 1



b Pick the driver type Progress OpenEdge 10.1B driver. Click Finish.

c Input the values provided to establish the connection to the Progress database.

Fig. 1.10
Create ODBC Progress 3



d Click Test Connect.

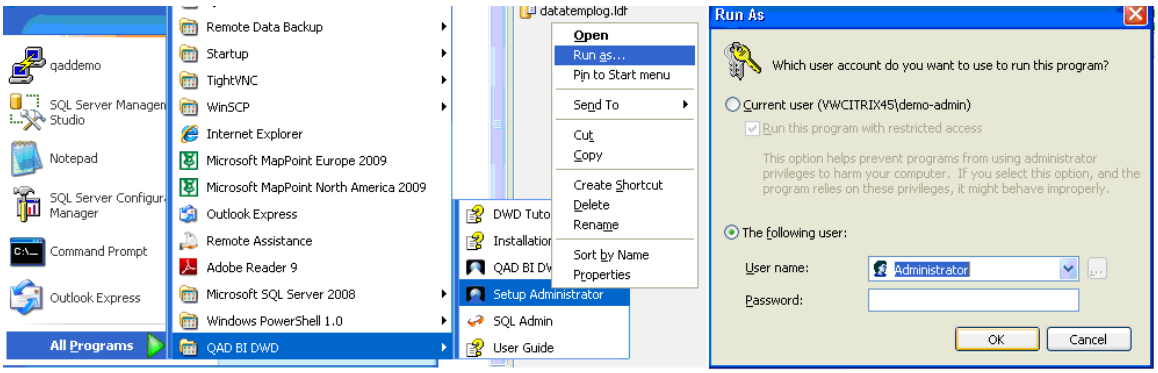
e Enter Progress database password and click OK.

f Click the Advanced tab and set the Default Isolation Level to READ UNCOMMITTED.

6 Set up any additional ODBC connections to outside data sources, if the client requires any. This can be done later if that information is not yet available.

7 If you are using Windows 2008 Server, close the Setup Administrator. Re-launch the Setup Administrator as an Administrator (so that it will be able to create the Scheduler as a Windows Service).

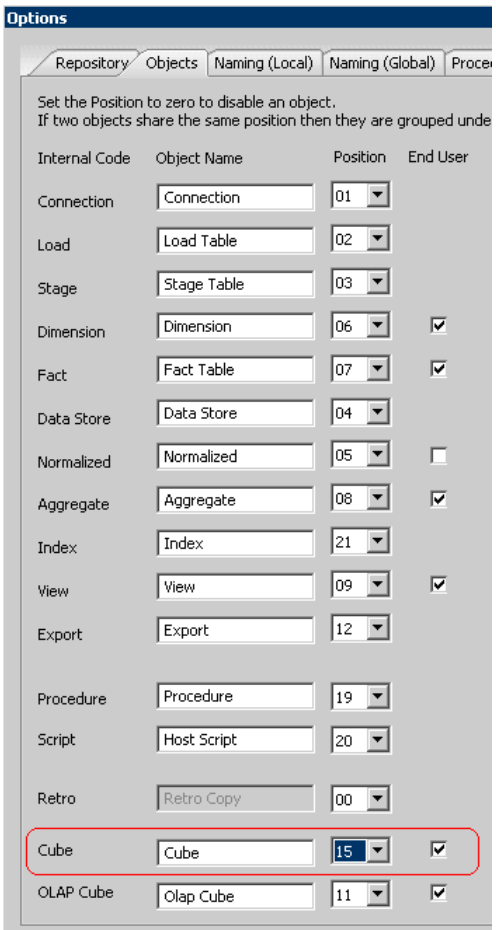
Fig. 1.11
Setup Administrator



8 Choose Metadata Repository, and then Create Metadata Repository. Select the ODBC connection created in the previous step. Under Define FileGroups, leave them blank. The Repository Type should be All Licensed Objects.

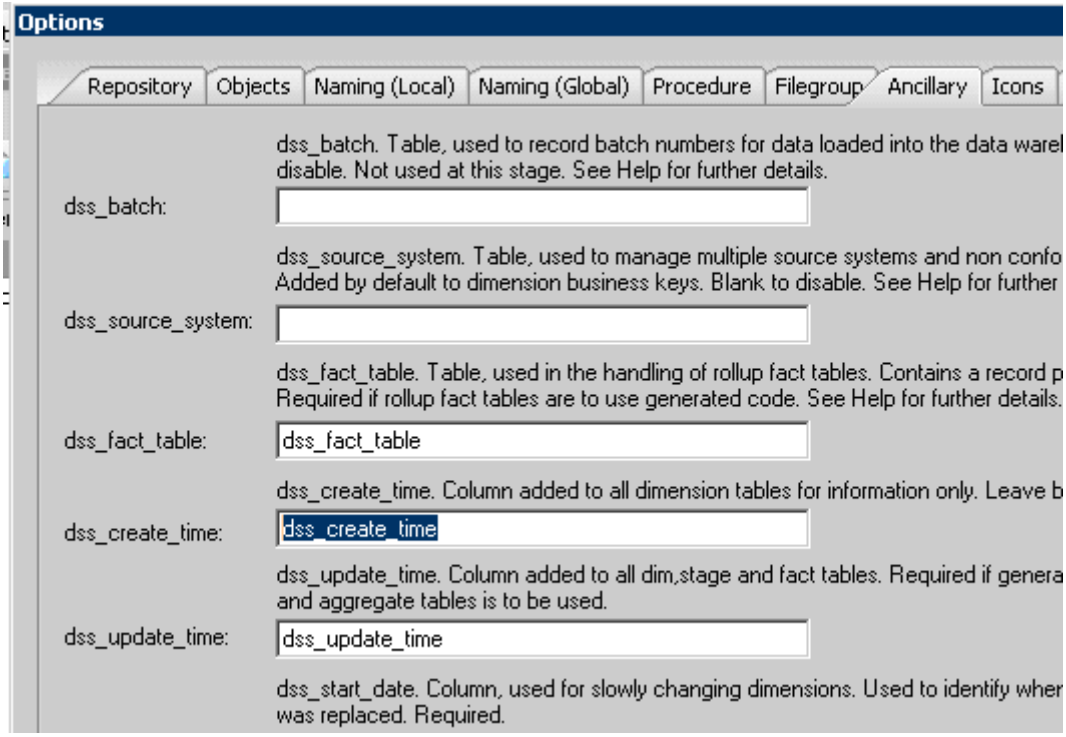
9 When QAD BI DWD is launched after the repository is created, in the Objects tab of the options dialog, activate Cube objects by setting the position to a valid value (we are using 15). In older versions of the DWD, you had to populate the Data Store Position.

Fig. 1.12
Cube



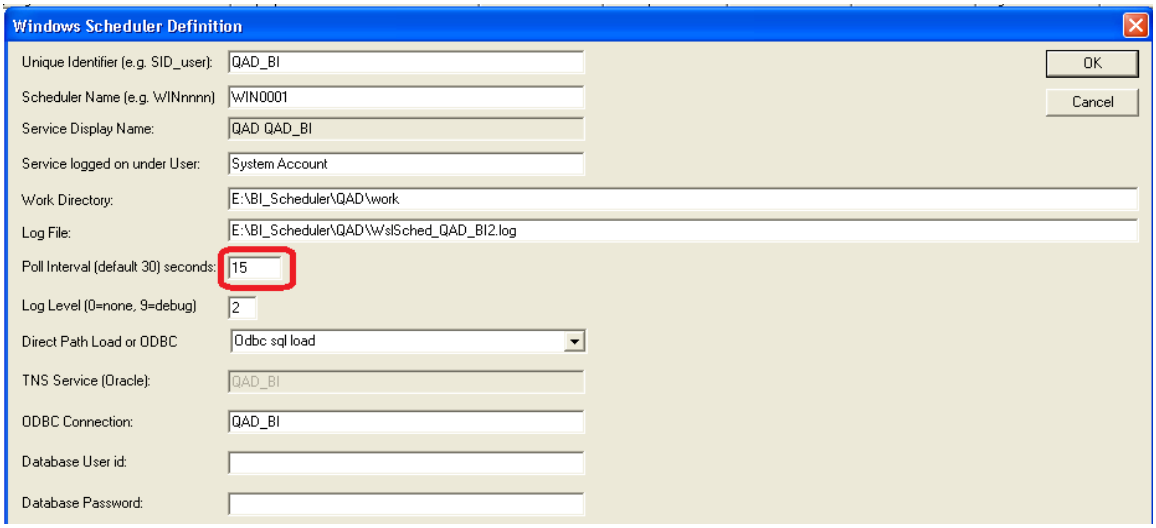
10 Click the Ancillary tab. Populate the empty field dss_create_time with the value dss_create_time. Click OK to leave the Options page.

Fig. 1.13
Ancillary Tab



11 In the Setup Administrator, create a Scheduler for the Data Warehouse. This is the Windows service that runs scheduled jobs. Use the ODBC connection that was created for the Data Warehouse. Set the Poll Interval to 15 from the default of 30 seconds. Any time less than 15 seconds raises the possibility of overloading the scheduler jobs if they do not gracefully close quickly after use. 30 seconds is acceptable, but due to the large number of scheduled jobs we have, reducing this is a big time saver.

Fig. 1.14
Poll Interval



Installation of BI 3.5 Module Suite

This topic includes installation and configuration steps for QAD Business Intelligence Suite (Order Management, Operations, and Financials Modules).

Requirements

- QAD BI DWD (version 6.0.6 or later for Microsoft Analysis Services cube support), Data Warehouse installed and Scheduler running.
- QAD Business Intelligence Suite (Order Management, Operations, and Financials Modules) in the form of QAD BI DWD application files.

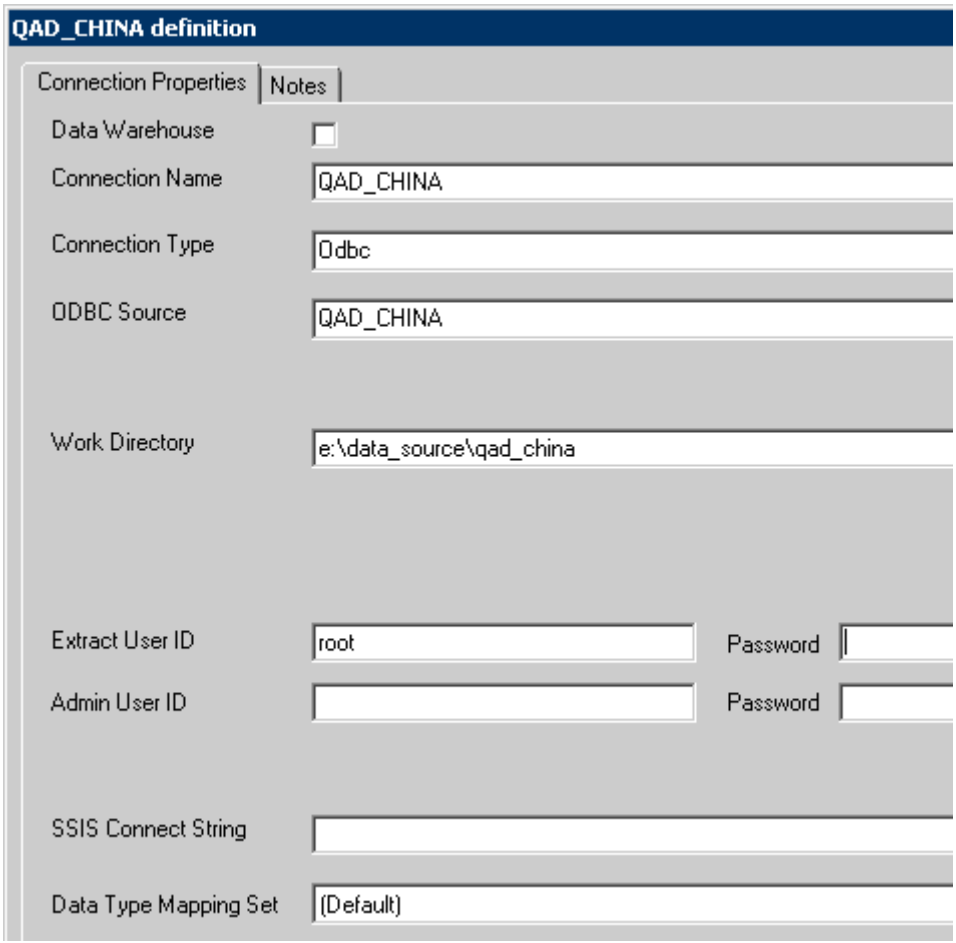
Installation Steps

Follow the steps below to install the QAD Business Intelligence Suite (Order Management, Operations, and Financials Modules).

The previous installation task created the System ODBC connections to the QAD Progress databases. Now, for each one of these ODBC connections, in the QAD BI DWD in the Browser pane, create a Connection object for each:

1. Right-click Connection in the QAD BI DWD Metadata Browser and choose New Object.
2. Enter a short descriptive name for the data source (for example, QAD_MAIN, QAD_US, QAD_EMEA, QAD_ASIA) and click OK.
3. Select a Connection Type of ODBC, and select the ODBC connection.
4. Enter a work directory. This directory should be different for each QAD Data Source. Create this directory in the file system (you will create a matching directory in step 6).
5. Enter the Extract user ID and password required for the Progress database. This user must have read permission for the QAD tables.
6. Using Windows Explorer, create a directory to match the directory you entered as the Work Directory for the connection you just set up.
7. Repeat all steps for each data source.

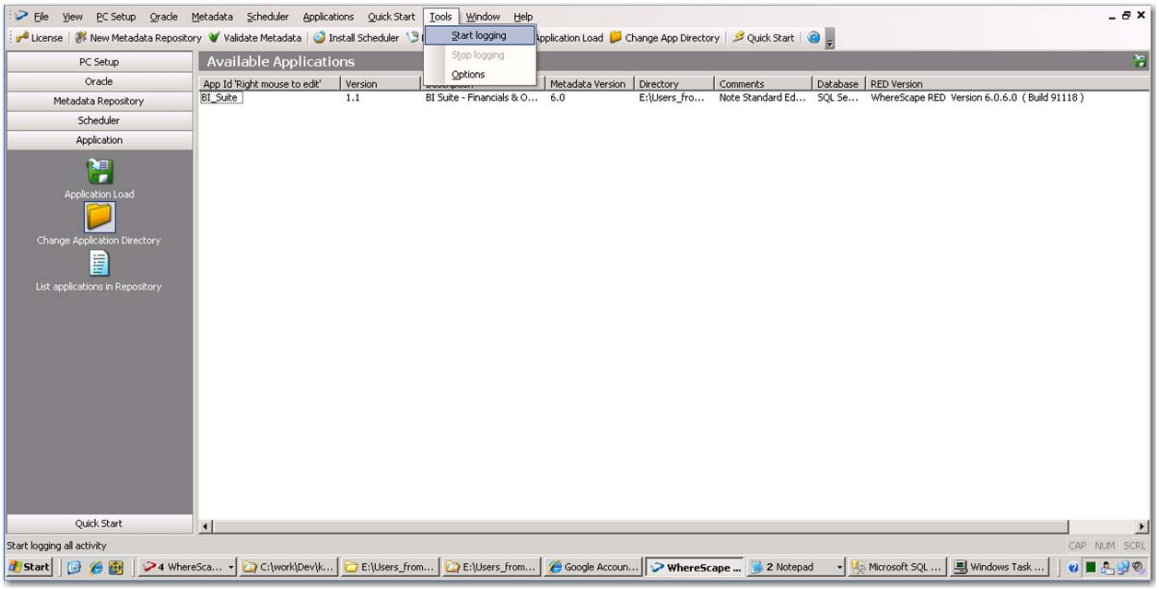
Fig. 1.15
Object Connection Definition



Install BI 3.5 Module Suite - Order Management, Financials, and Operations

1. The QAD Business Intelligence Suite (Order Management, Operations, and Financials Modules) is packaged as a zip file. Unzip the contents (meta-data files) to a directory that you will reference for the installation. It is not recommended that you just unzip the file to the default zip name subfolder. Instead, unzip the contents to whatever directory you had intended the contents for.
2. In Setup Administrator, confirm that the job scheduler is started (the service was created when the data warehouse was created). If it is not started, start the service and confirm that it does not stop.
3. Go to the Application option in Setup Administrator. Change Application Directory to the directory into which you extracted the QAD Business Intelligence Suite (Order Management, Operations, and Financials Modules). The contents will consist of a series of.wst files.
4. Go to Tools and Start Logging.

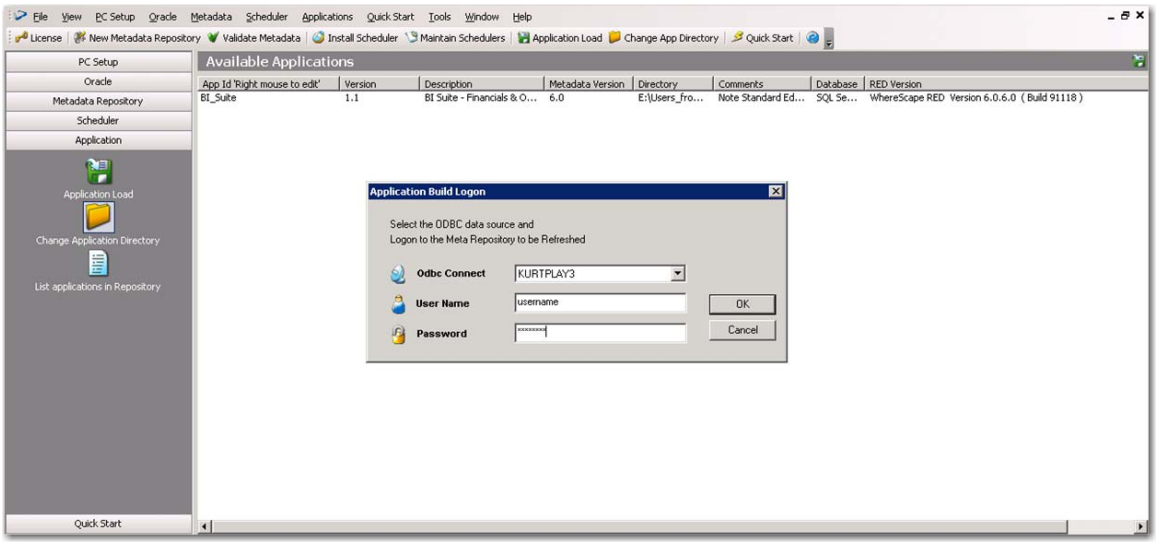
Fig. 1.16
Start Logging



5 Choose a file name for your log and a directory for it to write to.

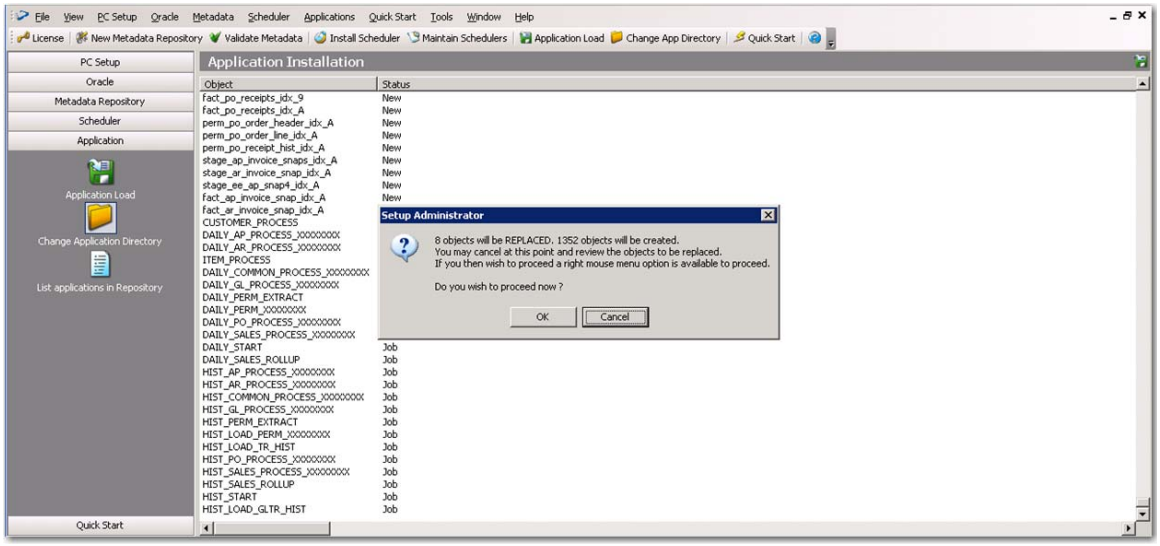
6 Install the application through Application Load. Right-click on the module you are installing and choose Install.

Fig. 1.17
Application Load



7 If a message comes up about files being overwritten, choose Cancel and confirm that the files are OK to be overwritten. If they are, go back to step 6 and repeat.

Fig. 1.18
Confirm File Overwrite



8 Review the message log. The files that will be replaced will be identified at the top of the log. To proceed, right-click within the log and choose Proceed to Load. Once the main application load is running, this may take as long as 5-10 minutes. If the top of the DWD screen displays Not Responding, wait up to 30 minutes for the job to finish. If it takes any longer, close the screen and start over.

After loading all the module components, you can refresh the DWD by clicking on All Objects in the Browser pane and hitting F5. If this does not work, you can log off and log back into the DWD.

9 If you need to remove any modules from the setup, now is the time to do it. However, removing the modules now means that the fact tables and the jobs to load them will be removed. Be absolutely sure these modules are not being used at a later time. The steps are as follows:

- **a** In the Browser pane in the Designer, choose All Objects -> Fact Table and then find the fact tables you want to remove. For example, if you want to remove the Inventory modules, you would look for all the fact_inv_ tables.
- **b** From the right-click menu on each fact table to be deleted choose the Delete Meta-Data and Drop Table option.
- **c** Click yes or ok through all the feedback windows. The fact_ tables will be dropped. If you do not remove all fact_ tables relative to a module component, this will not work correctly for the initial setup, so make sure you remove all relevant tables.

10 Initial Parameter Setup.

Note In QAD BI DWD, choose Parameters from the Tools menu to display the current Parameter definitions. These need to be customized for your specific installation.

Set runtime parameters to the proper settings based on the customer feedback to the parameters (Table 4.4 on page 70). Also refer to Table 4.1 on page 38 and Table 4.2 on page 40 for additional assistance. In particular, change the HIST_LOAD_SOURCE_Sxx, DAILY_LOAD_SOURCE_Sxx and INITIAL_JOB_SETUP_CONNECTION_xx parameters to point at the source databases.

Note Parameters that MUST be set before running INITIAL_JOB_SETUP should have an initial value of <some value between these symbols >. See Chapter 4 for more details.

11 Initial Job Setup

Note The Sales/Order Management module includes several jobs that can be scheduled to run at regular intervals, plus jobs that are used for the initial load of history. These jobs are delivered as templates that have to be modified for your specific QAD ERP connections. To create the jobs for your system:

- Set the INITIAL_JOB_SETUP_CONNECTION_01 parameter to your QAD ERP primary connection (for example, QAD_MASTER).
- You have to also populate the INITIAL_JOB_SETUP_CONNECTION_01_TYPE parameter with an EE or SE in order for the correct jobs for the referenced type to work properly.
- Finally set INITIAL_JOB_SETUP_CONNECTION_01_RUN to N (this indicates you have not run a historic load for this source yet).
- If you have more than one source system, set INITIAL_JOB_SETUP_CONNECTION_02 to your second QAD ERP connection (for example, QAD_ERP2) and INITIAL_JOB_SETUP_CONNECTION_02_TYPE.
- You may continue adding as many INITIAL_JOB_SETUP_CONNECTION_XX and INITIAL_JOB_SETUP_CONNECTION_XX_TYPE parameters as necessary.
- Eliminate the value for the connections that are not being used.
- Set the INITIAL_JOB_SETUP_ENABLED parameter to Y, and in the Scheduler, execute the INITIAL_JOB_SETUP job.
- The jobs specified in the INITIAL_JOB_SETUP_JOBINJOB_XX parameters (these are defined by QAD) will be created with the XXXXXXXX replaced with the connection name for each of your INITIAL_JOB_SETUP_CONNECTION_XX values.

Setup Steps:

a In QAD BI DWD, chose Scheduler menu option.

b Change the view to All Jobs.

c Locate the job named INITIAL_JOB_SETUP (status On Hold).

d Right-click the job name and start the job.

e The status will change to Waiting.

f Refresh the screen until the job completes.

g If the job fails to start, check the scheduler status.

12 After INITIAL_JOB_SETUP has run, check Scheduled jobs to confirm that you now have jobs with names that end with all connections you have created. If they have not been created, check the Parameters; make sure that the INITIAL_JOB_SETUP_ENABLED parameter is set to Y and run INITIAL_JOB_SETUP again.

Note Financials Only Install - The parameters generated in the chained jobs list by INITIAL_JOB_SETUP include DAILY_SALES_ROLLUP and HIST_SALES_ROLLUP that are only necessary if we also have Order Management installed. If this is a Financial modules only install, delete these two parameters so they are not in the chained jobs list.

Notes on Load History

TR_HIST_LOAD_MAXSIZE is the maximum number of rows to load in an iteration loading tr_hist.

The Transaction History load (HIST_LOAD_TR_HIST) processes data in chunks, rather than trying to extract and load all data at once (since the tables can contain large amounts of data). The History Load processing will run this job many times, processing some subset of the data with each pass. The parameters that are used by the TR_HIST jobs are listed below.

Important Do not update them manually; the HIST_LOAD jobs use these to keep track of what data has already been processed, so that if the load job is interrupted, it can pick up where it left off.

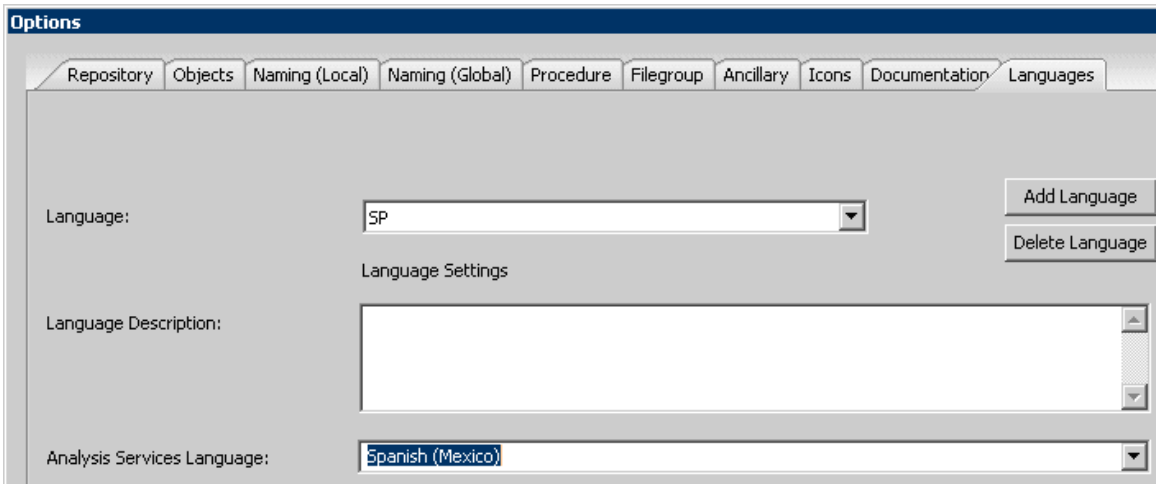
- TR_HIST_CONNECTION_NAME
- TR_HIST_DOMAIN
- TR_HIST_DOMAIN_SXX
- TR_HIST_LOOP_NO
- TR_HIST_ROW_COUNT
- TR_HIST_SOURCE_SXX
- TR_HIST_TRAN_MAX
- TR_HIST_TRAN_MAX_SXX
- TR_HIST_TRAN_MIN

13 Install the metadata language translations files (if any are required).

a In QAD BI DWD (Data Warehouse Designer) tool, choose Tools, Options. Click on the Languages tab and add the codes for the language files you want to install. (For example, es for Spanish, fr for French, zh for simplified Chinese, zh_TW for traditional Chinese. The complete set of files will be in the metadata package, under metadata/translations; the file names are in the format lang_ then the code then.wst; for example, `lang_zh_TW.wst` for traditional Chinese.) The interface can be a little misleading here. It requires that you click the Add Language button, then type in a language or abbreviation in the Language drop down menu. What you type will help you find language options in the Analysis Services Languages list, but does not have to in any way match or limit what is in that list. What you type for the Language is simply used for reference purposes in

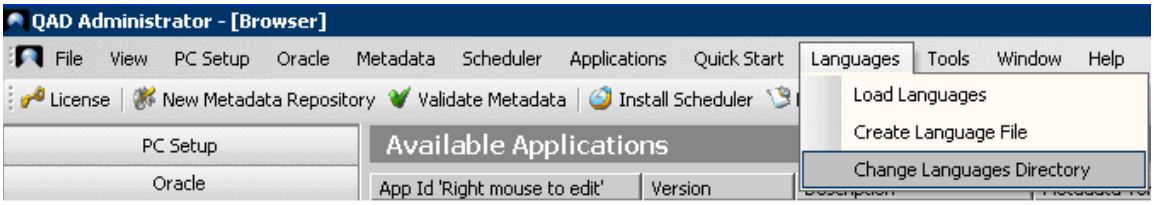
later steps. If you type ES, the iso abbreviation for Spanish, the Analysis Services Language drop-down will display Estonian. You can just click on the drop-down and scroll down to which Spanish option you want to select at that time.

Fig. 1.19
Language Install



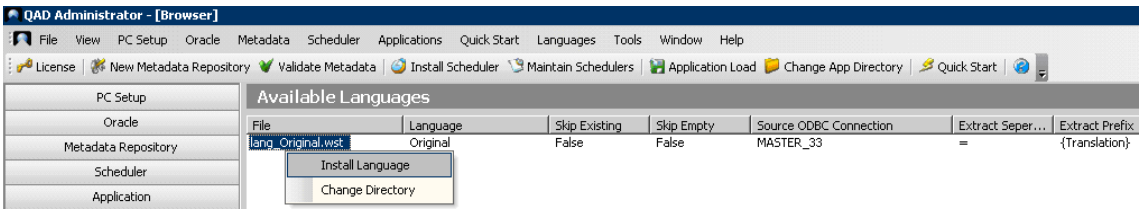
b In the QAD BI Data Warehouse Setup Administrator, select Languages, Change Languages Directory, and navigate to the directory metadata/translations directory of your package.

Fig. 1.20
Language Install 2



c Choose Languages, Load Languages. Right-click on the language file you want to install and choose Install Language. Select the Data Warehouse's ODBC DSN, and then choose the language to which you want to map this language file (you will be allowed to choose one of the language codes you entered in the QAD BI DWD in step 1 above).

Fig. 1.21
Language Install 3



d Repeat for each language you want to install.

14 You are now ready to populate the Data Warehouse with your ERP history. In the scheduler, find the HIST_START job, right-click on it and pick Start the Job. Depending on the size of the source tables this can take quite some time. It does not hurt to check in throughout this load process to make sure that the jobs are all running successfully.

Chapter 2

Installing QAD BI Portal Web Application

This chapter provides information about the installation and configuration steps for the QAD BI Portal Web application.

It discusses the following topics:

Requirements

- Tomcat 5.5 or 6.0 installed and configured
- Java 1.5 JRE or higher
- Java 6 JDK or higher
- SQL Server 2008 installed and configured (SQL Server 2005 is acceptable, but not recommended due to poor performance)
- SQL Server has TCP enabled, in order to connect via JDBC
- QAD BI Data Warehouse Designer installed and configured
- Data Warehouse created in SQL Server. In the QAD BI DWD: QAD BI Anayltical Module(s)
- QAD BI DWD, customizations made, data loaded, Scheduler created

Note End users will need Adobe Flash Player installed for their browser.

Configuration Parameters

The following configuration parameters will be required during installation, so write them down before you start:

- Tomcat Port: Port in which Tomcat is running; for example, 80 or 8080
- SQL Server JDBC URL: URL required to connect to SQL Server database (host name, port number, and database name)
- QAD BI Data Warehouse Designer user / pwd: Username and Password to connect to SQL Server Database where QAD BI DWD is running. This should be the QAD BI DWD owner account.
- BI Portal database User / pwd: Username and Password to connect to SQL Server database where BI Portal repository will be installed.

Installation Notes

Note that the QAD BI Portal cannot be installed in the same Tomcat instance as Qxtend. Qxtend is forcing the use of a specific DOM parser library that is incompatible with the BI application usage. Install the two applications in separate Tomcat instances.

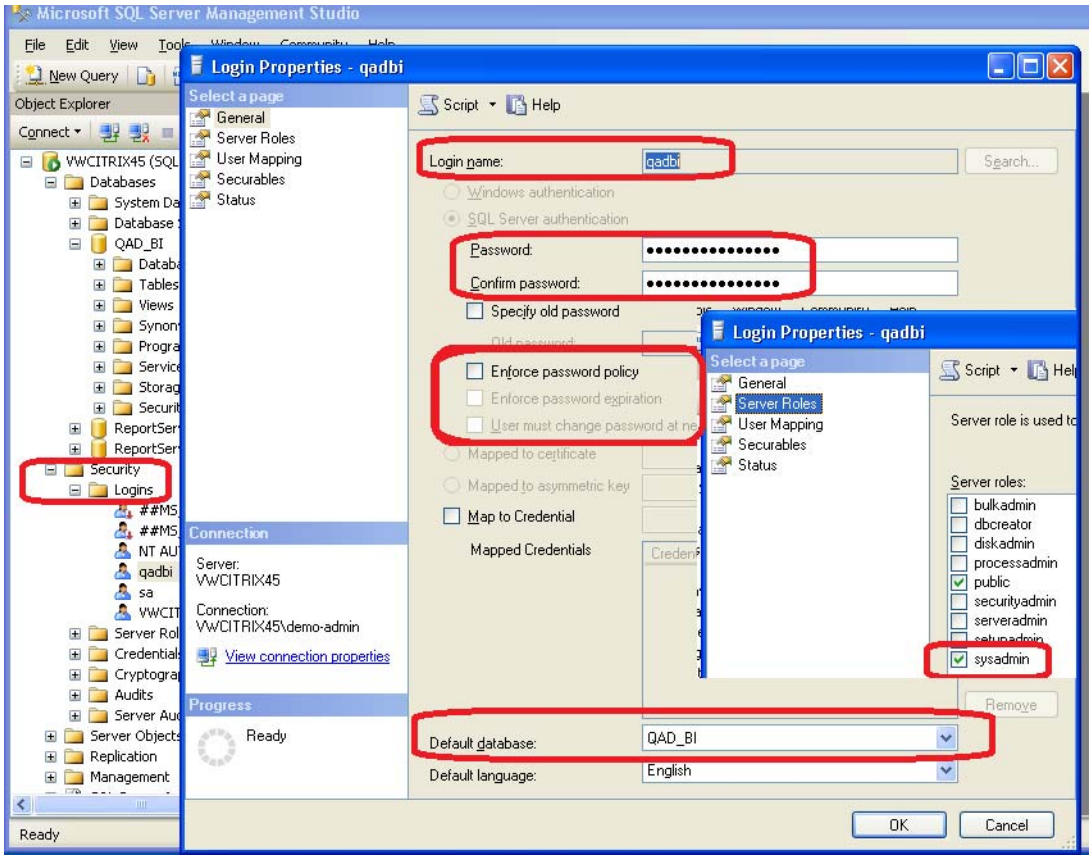
Installation Steps

Follow the steps below to install and configure a new BI Portal instance.

1 As part of the Portal Installation, set up a new user in the database. Go to the SQL Server Management Studio. Choose Security, Logins, right-click Logins, and select New Login. When the Login - New screen comes up, enter the new login name (qadbi), pick SQL Server authentication, and make sure that the Enforce password policy box is not selected. Change

the database from master to the database you are working with. Then select the Server Roles (on the upper left-hand side of the window) and make sure that the Server roles public and sysadmin are both checked.

Fig. 2.1
Login Properties



2 Install BI Portal Web Application:

a Create a subdirectory for the web application beneath the `<tomcat_dir>\webapps\` directory; for example, qadbi.

b With Tomcat not running, unzip `qadbi.zip` into the Tomcat webapps sub-directory created above. To shut down Tomcat, in Windows, go to Start/Administrative Tools/Services and find Apache Tomcat in the list of running services. Right click on it and choose Stop.

c Configure Tomcat's `server.xml` file (can be found in the `/conf` directory of Tomcat) and add the maxPostSize directive (it is case sensitive):

```
<Connector port= 8888
protocol= HTTP/1.1
connectionTimeout= 20000
redirectPort= 8443
maxPostSize= 0 />
```

3 Configure BI Portal.

a Copy the XML file `<tomcat_dir>\webapps\qadbi\WEB-INF\config\server-config.xml.default` to a file named `server-config.xml` in the same directory. Edit the `server-config.xml` file to match the values for the configuration parameters to the appropriate values for your environment, as described below. Contents are as follows:

- repository Element:
  - dbType: database platform. Value should be SQL for SQL Server or Oracle for Oracle
  - driver: JDBC driver to be loaded at runtime for business intelligence server database. For SQL Server, the value is com.microsoft.sqlserver.jdbc.SQLServerDriver. For Oracle, the value is oracle.jdbc.OracleDriver.
  - jdbcUrl: JDBC URL to connect to business intelligence server database
  - user: User name for the database
  - pwd: Password for the database
  - logCheckInterval: How often (in minutes) the portal should perform its maintenance tasks (log the system state, clean up logs, and so on). Default is 15 minutes.
  - logDaysToKeepEvents: Number of days to store system events in the database (aw_evt_system and aw_evt_request tables). Default is 14 days.
- log Element:
  - watch: Whether to watch the log file for changes and update log4j settings dynamically; true or false
  - configFile: The name of the log4j configuration file
- Example contents of the `server-config.xml` file:

```
<root>
<repository
dbType=SQL driver=com.microsoft.sqlserver.jdbc.SQLServerDriver jdbcUrl=
jdbc:sqlserver://myhost:1433;database=QAD_PORTAL user=myuser password=mypwd
logCheckInterval=15
logDaysToKeepEvents=14 />
<log watch=true configFile=LoggerConfig.properties />
</root>
```

4 Configure log4j in LoggerConfig file

a Copy the file `<tomcat_dir>\webapps\qadbi\WEB- INF\config\LoggerConfig.properties.default` to a file named `LoggerConfig.properties` in the same directory. Edit the Log4j configuration file to specify a path for the log file that is the R1 appender defined in the properties file. Note that if you are running Tomcat as a Windows Service, the log file name must be a full path, and the backslashes must be escaped; for example,

```
log4j.appender.R1.File=D:\\apache-tomcat-6.0.20\\logs\\qadbi.log
```

5 Install BI Portal Repository:

a Connect to the SQL Server database where BI Portal Repository is to reside, using the SQL tool of choice. Locate the BI DDL script in the *<tomcat_dir>*\webapps\qadbi\install\sqlserver file. Run the bi3_ddl.sql SQL script to create required repository tables.

Note This script will drop the tables first if they already exist, and re-create them. Make sure you are running this in the correct database. This is done in the warehouse database to keep things simple.

b Edit the seed script seed.sql to set any variables to the specific values necessary for your installation.

- seed.sql: Set the email address for the initial root user to the email address of the application administrator. If required, customize the authorization roles (the values being entered into aw_auth_role table, and into aw_user_auth_role for the initial root user). Do not modify any of the aw_app_role descriptions. The aw_data_role table, as well as the data_role column in aw_user, are no longer used.
- Set the different aw_sys_config entries as follows:
  - DATASERVICE: Configure with the information required to connect to the DWD data warehouse. This includes the dbType (SQL or Oracle), whSchema (the name of the database owner - typically dbo for SQL Server), the jdbcDriver and jdbcURL, jdbcUser, and jdbcPassword for accessing the database, and the metadataAdapter (com.awbi.server.data.adapter.WhereScapeAdapter). For example:

```
<dataConfig dbType= SQL  whSchema= dbo
jdbcDriver=
 com.microsoft.sqlserver.jdbc.SQLServerDriver
jdbcURL= jdbc:sqlserver://myhost:1433;database=QAD_DW  jdbcUser= myuser
jdbcPassword= mypwd
metadataAdapter= com.awbi.server.data.adapter.WhereScapeAdapter />
```

  - WELCOME_EMAIL: Customize the text that will be contained in the Welcome email sent to new users. Make sure that the link to the BI Portal web application is correct for your environment.
  - SMTP and MAILER: Configure this with your specific mail server parameters.
  - USERSERVICE: Customize the text that will be used in the Subject of the Welcome and Password Change emails as desired.
  - PWD_RESET_EMAIL: Customize the text that will be contained in the Password
  - Reset emails sent to users who request a new password.
  - SECSERVICE: Do not edit; security models will be built in the Administration UI.
  - AUTHSERVICE: If a custom authentication class will be used, set the custom authClass to the customized authorization class and uncomment this section. Otherwise, leave this section commented out.

6 Install Portal constraint tables in data warehouse.

Connect to the database in which the data warehouse is to reside. This is the database specified in the DATASERVICE key, above. Locate the bi3_wh_ddl.sql script in the *<tomcat_dir>*\webapps\qadbi\install\sqlserver directory. Run the bi3_wh_ddl.sql SQL script to create the required portal tables in the data warehouse database.

7 The Standard Dashboards include links to the technical documentation for the Data Warehouse. This documentation is shipped with the analytical modules in the file `qadbi-documentation.zip`. The Standard Dashboards expect them to be located in a directory named `documentation` within the web application. To deploy the documentation, therefore, create a directory `<tomcat home>/webapps/<application name>/documentation` and extract the `qadbi-documentation.zip` file into that directory.

8 Installing Excel Workbooks:

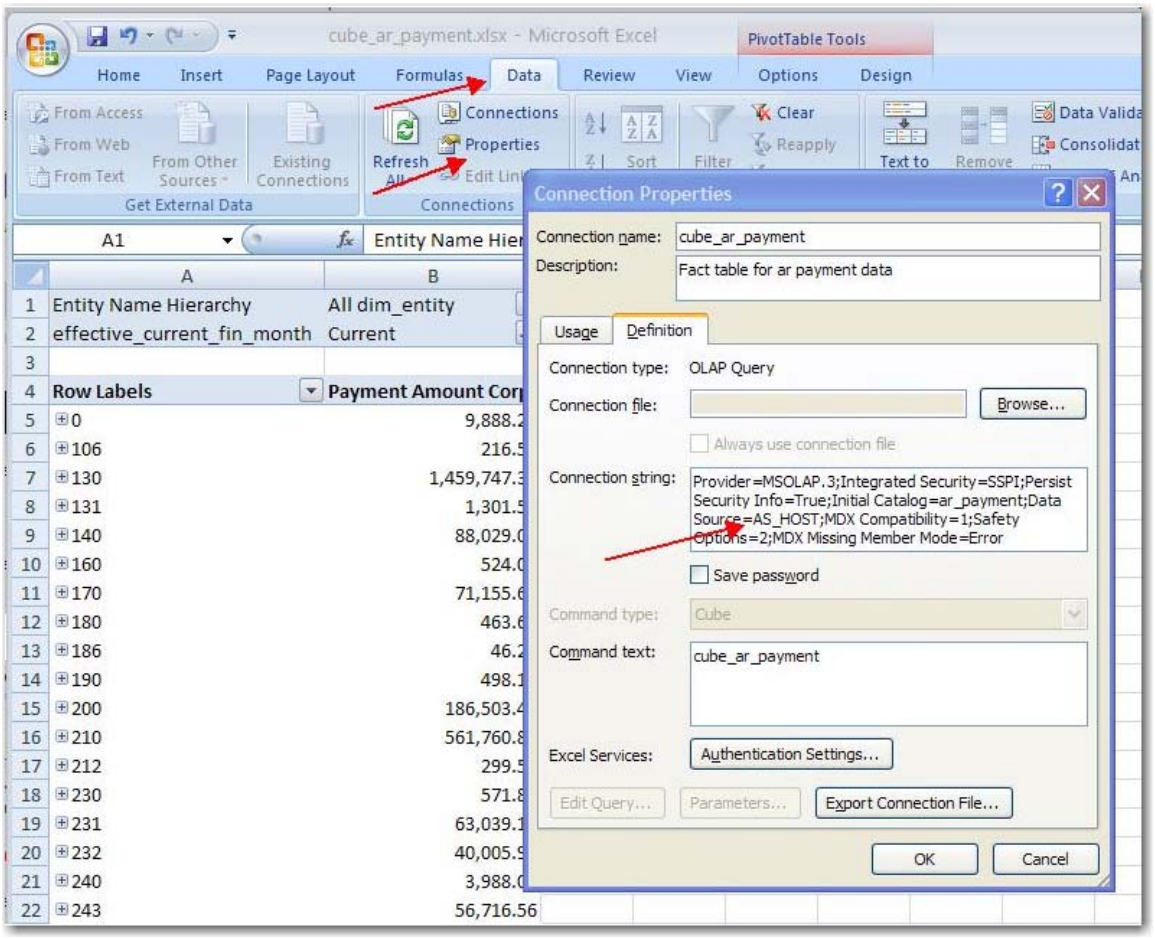
   a Some of the standard dashboards include Excel workbooks that connect to an Analysis Services system for ad-hoc analysis. Create a new web application directory, `<tomcat home>/webapps/<application name>/published`. Extract the file `adhoc_excel_files.zip` into that directory. These files are referenced by the standard dashboards loaded in the step “Install Standard Dashboards and Reports” on page 28.

   b Each workbook uses a data source connection to the Analysis Services system. The connections used are embedded in the worksheets but must be modified to connect to the local Analysis Services host. To do this, open the workbook in Excel 2007, press Data, then Properties. On the Connection Properties tab select Definition and change the text that says DataSource=AS_HOST to give the name of your Analysis Services host machine.

   c Full documentation on this process is included in the following document from Microsoft:

      `http://office.microsoft.com/en-us/excel/HP101672991033.aspx`

Fig. 2.2
Excel Workbooks



9 Customize Report Logo. The report wizard allows you to choose to put a logo on your generated reports. The file it uses is stored in two places:

- `<tomcat_dir>\webapps\qadbi\images\logo.gif` - used for standard HTML reports.
- `<tomcat_dir>\webapps\qadbi\WEB-INF\classes\images\logo.gif` - used for PDF and Excel exports of reports.

If you want to have your company logo print on reports, replace the default `logo.gif` in the web application's images subdirectories with a GIF file of your logo. The logo file can be different for the two classes of report types.

10 Restart Apache Tomcat through the Services window.

Note on Password Encryption in the BI Portal

With this release of BI Portal, you may now encrypt the SQL Server password in both the `server-config.xml` file (which contains the connection information for the BI Portal database) and in the aw_sys_config table (which contains the connection information for the BI Data Warehouse). The encryption uses the Blowfish algorithm.

A command-line tool to encrypt the password named `encpwd.bat` is located in `TOMCAT_HOME\webapps\your_bi_appname\cmdline`. To run this, open a DOS window, change to the `cmdline` directory, and run:

```
encpwd.bat mypassword
```

The encrypted password will be printed on the screen. Copy this value and use it in the `server-config.xml` file as the value for the pwd. Also make sure that pwdEncrypted=true. (If you change back to using an unencrypted password value, make sure you set pwdEncrypted=false.)

Similarly, if you want to encrypt the password used by the Portal to connect to the Data Warehouse, use the encpwd.bat script to generate the encrypted password, then edit the value for the jdbcPassword in the aw_sys_config table, the DATASERVICE row, and set it to then encrypted value; make sure you add pwdEncrypted=true.

If you change either password, you must stop and restart Tomcat for the change to take effect.

Getting Started in the BI Portal Web Application

The initial login is root, with a password of root. You will be required to change the password immediately.

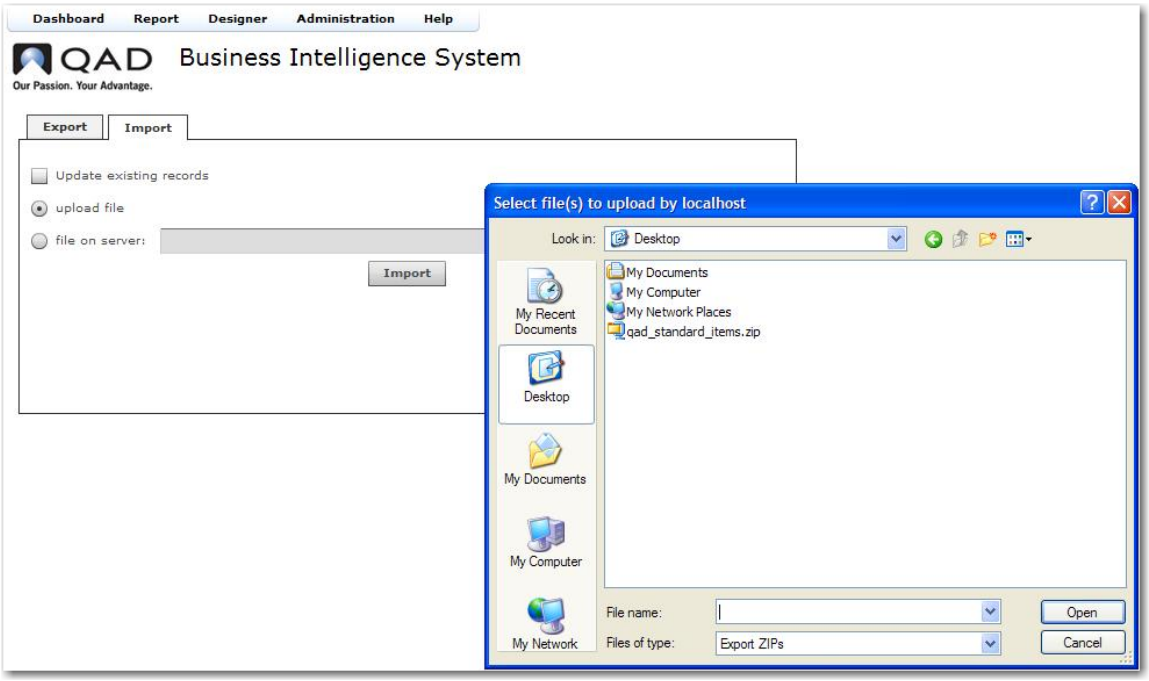
You will need to build your model before you can do any analysis. Click Administration, then Model Administration. Click on the Rebuild Master button.

Install Standard Dashboards and Reports

Standard dashboard, reports, visual items, and queries are shipped with the QAD analytical modules. The contents of the zip file `qad_standard_items.zip` are portal documents used to interact with the standard modules.

Find the `qad_standard_items.zip` file and place it somewhere for easy access. Using the portal, go to the menu option Administration -> Data Migration. Click the Import tab, click the upload file option, and press the Import button. Select the `qad_standard_items.zip` file and select OK.

Fig. 2.3
QAD Standard Items Zip



The items will upload into the system. On completion, a message indicating that the items were loaded will be displayed.

Installing QAD BI Mobile App on the iPad

Requirements

- Apple iPad
- QAD BI Portal installed, configured and Tomcat running
- User IDs created and passwords set up using the BI portal for all users who will install and use the app on their iPads

Installation and Configuration

1. From the Apple App Store, install the QAD BI app on your iPad.
2. Connect to your office network via VPN.
3. Double click on the QAD BI icon. It will prompt you for some settings:
   a. user: enter the user id that you use to access BI portal.
   b. password: enter the password that you use to access BI portal.
   c. Server URL: the same URL that you use to access BI portal in the form of http://<biportalhostname>:<tomcatportnumber>/<webappname>/. For example: http://company:8080/qadbi/.
   d. If you would like to save these credentials for future use, tap on the Save Password On/Off button and turn it on.
4. Click on the check mark. You should now be able to log in to BI from your iPad.

Chapter 3

QAD BI Portal CFO Dashboard

This chapter provides information about configuring the QAD BI Portal CFO Dashboard application.

It discusses the following topics:

QAD Standard CFO Dashboard

The QAD CFO Dashboard is one of the standard elements that ships with the QAD Business Intelligence Portal. The CFO Dashboard is designed to collect in one easy-to-view place the important financial metrics for your organization so that the financial health of the organization can be quickly understood.

Since GL account structures vary widely from company to company, the data elements of the CFO dashboard require initial configuration. The Dashboard's visual elements are already set up in the Portal, and are ready to display graphs and charts once the data configuration is complete.

Configuring the CFO Dashboard

Metrics on the CFO dashboard are generated from report lines defined in the QAD BI database. Report lines are like the lines of a balance sheet or an income statement, representing a range (or ranges) of GL accounts. Once defined, report lines can be rolled up into groups and computations performed on the groups to generate the various metrics and data that appear on the CFO dashboard.

The CFO Dashboard report lines are defined and maintained with the help of an Excel workbook, which creates a set of text files that are used in the nightly QAD BI data load. Using Excel allows finance managers and analysts to maintain the financial metrics themselves and gives them the most freedom in creating and defining new metrics and financial reports.

The CFO Dashboard workbook, `cfo_dashboard_template.xls`, is located in the metadata installation package. This workbook consists of four sheets, all of which are used to build the configuration data for the CFO dashboard and its charts.

The first tab, Reports, contains the very highest level of information to be displayed. This page lists the name of the report sets that the CFO dashboard describes. One set is given by default: CFO_METRICS. Multiple reports, or versions of reports, can be included in the same spreadsheet.

The second tab, Report Lines, defines the lines of each report. Report lines can be labels (which just display text), data lines, which are rollups of GL accounts, or calculations, which are rollups of data lines. The CFO_METRICS report in the default configuration is broken down on the Report Lines page into 16 different lines, such as Inventory and Net Revenue.

The third tab, Report Line Ranges, maps the Report Lines to specific accounts in the General Ledger.

Important metrics for each report may not simply be summaries of accounts but more complicated combinations of the report lines. The fourth tab, Report Calculations, allows user to combine the lines of the report arbitrarily to create derived metrics.

These tabs are more fully described below. Before configuring the CFO dashboard, however, you should start with a specific goal in mind to properly set up the configuration elements.

Metric Example

Consider the example of an organization that wants to see a metric like debtor days: the average number of days that a payment takes. This can be computed on any account by taking the total amount in accounts receivable, divided by net revenue received, and then multiplied by the number of days in the fiscal year. Furthermore, this should be done by region so we can see the measures for the North American and Pacific Rim regions.

To do this, we'll need to first set up the accounts that we want to total. We'll need to specify the AR accounts in both North America and the Pacific Rim, and then set up the revenue received in those accounts.

Once these account lines are set up we can create the computation to display on our final dashboard.

Reports Tab

For our example, the reports tab will not have to change. This report can be collected in the set for the standard CFO_METRICS.

If the system calls for very many reports that we want to divide at the highest level, we could add another element to the reports tab for that highest level grouping. That new element would then be carried over to the Report Lines tab.

ReportLines Tab

This tab holds the high level groupings on which the computations in the reports will be performed. In our specific example, we have four lines we need to define: Accounts Receivable for both North America and the Pacific Rim, and revenue received for both regions.

These accounts are created by setting the report_name column to the name given on the first tab. In our example, this is CFO_METRICS.

The line_number column must be unique for each entry on this page and it describes to the subsequent tabs how to reference this account line.

Line_type may have the value label, calc or data. A label type will be the text placed into the visual item on the CFO dashboard for this line. A row can be marked either calc for a computed column as described in the upcoming Calculations tab, or data to indicate that this line's data will be used in a computation.

Line_text is a description of the account. Indent_level should be set to 0 for a label, and 1 otherwise. Items that should be visible to the end user should be marked as Y in the visible column.

All computations on a report line are done on the value of the report. Since the report computations described below are additive, and sometimes we must subtract values of one line from another, we can specify that a line should be a negative value in the report lines tab by placing a Y in the change_sign column.

In our specific example, the line of net revenues must be subtracted from the total accounts receivable for a region. When we specify the received revenue in the report lines tab, we will change its sign to a negative by indicating a Y in the change_sign column for both the North American and Pacific Rim Net Received lines.

ReportLineRanges Tab

The report line ranges tab allows the user to group the accounts required for each report line.

Accounts in the GL are listed on the report line ranges tab sequentially to generate the higher level reporting accounts. The report line name (CFO_METRICS) must be given in the first column. The line_number column corresponds to the report line in the second tab. Range_type can take the value of include or exclude.

The remaining columns specify the characteristics range of accounts to include in the summarized report line. The description of each column is given here:

- Source_system_code: name of the source system in the QAD BI database. Most implementations have a single source system.
- From_entity / to_entity: entity codes to be processed, starting at from value and going until to value.
- From_account / to_account: account codes to process.
- From_subaccount / to_subaccount: sub accounts to process.
- From_department / to_department: departments to process.
- From_project / to_project: project indicators to process.

In our specific example, the accounts for the four elements of our computation are defined. Report Line 2, North American AR (East) is defined as 4000 to 4100, excluding accounts 4003 to 4005. Report Line 3, North American AR (West) is defined as 5010 to 5020. The source system for both is QAD_US. Line 4, Pacific Rim AR, is defined as accounts 1600 to 1700 for source system for both is QAD_PACRIM. The example tab continues to define the account ranges and source systems for all 5 data lines of the CFO_METRIC report.

ReportLineCalculations Tab

This tab defines the computations to be performed on the report lines as defined on the Report Lines tab. By combining the report lines together, the higher order metrics desired can be determined.

Each line in the ReportLineCalculations tab specifies part of a computation. The data into which the computation will be placed is specified in the line_number of type calc specified on the ReportLines tab. The computation steps are processed one at a time, in an order specified by each line's calc_seq. For each specific report_name and line_number, the calc_seq must be unique.

```
A step
Report_name - CFO_METRIC
Line_number - refers to the ReportLines tab, line_number. Must be a calc type.
Calc_seq - order in which computations should be performed
Operator - add or multiply
Source_line - refers to a data line in ReportLines
```

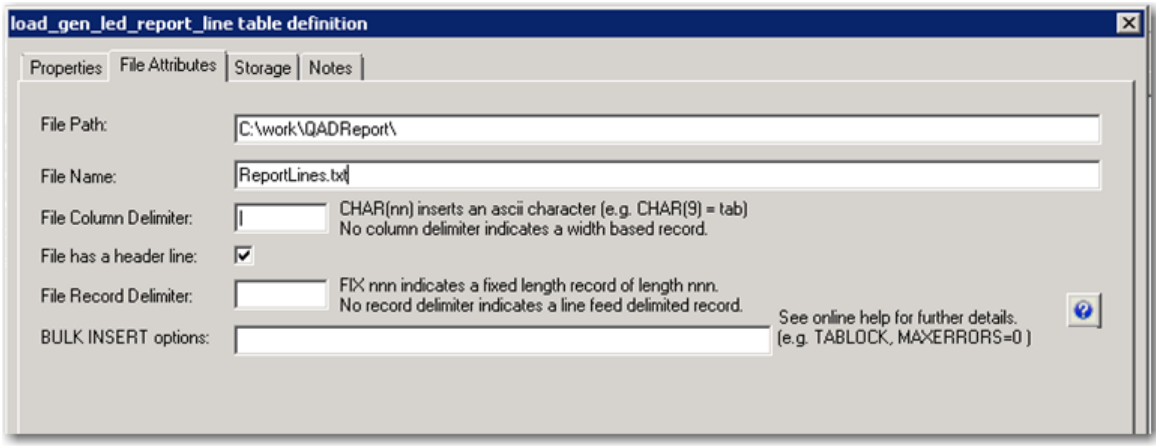
Providing the Workbook Data to the Data Warehouse

Once the data has been entered into the workbook as described, it must be translated into a format that the data warehouse processes can operate on to build the required elements for the CFO dashboard.

Each sheet in the workbook contains a yellow section of cells that is built automatically as the data is filled out. This section of cells must be placed into a text file and that text file moved to a location specified in the data warehouse.

The location in which the text files must be placed can be found by double-clicking on the load tables in QAD BI DWD and noting the directory location in the File Path. By default, this is set to `c:\work\QADReport`. This can be changed to match the locations required by any site.

Fig. 3.1
File Path



The files to be used, by default, are

- Reports tab - `Reports.txt`
- Report Lines tab - `ReportLines.txt`
- Report Line Ranges tab - `ReportLineRanges.txt`
- Report Line Calculations tab - `ReportLineCalculations.txt`

Once the files are in place and the QAD Warehouse daily jobs run, the new computations will be reflected into the data warehouse and the CFO dashboard contents displayed. The daily jobs are usually run overnight.

Chapter 4

Reference

Reference Tables

The following tables include installation and configuration reference information in tabular form.

Table 4.1
Jobs

Job	Financials - SE	Financials - EE	Order Management	Operations	Suite
ADDRESS_PROCESS	X	X	X	X	X
CLEANUP_LOAD_TABLES	X	X	X	X	X
CUSTOMER_PROCESS	X	X	X	X	X
DAILY_COMMON_PROCESS_XXX	X	X	X	X	X
DAILY_EE_AP_SNAPSHOT		X			X
DAILY_EE_AP_XXX		X			X
DAILY_EE_AR_SNAPSHOT		X			X
DAILY_EE_AR_XXX		X			X
DAILY_EE_COMMON_XXX		X			X
DAILY_EE_GL_XXX		X			X
DAILY_EE_PERM_XXX		X			X
DAILY_INV_PROCESS_XXX				X	X
DAILY_MODULES_LOAD_FINISH	X	X	X	X	X
DAILY_PERM_EXTRACT	X		X	X	X
DAILY_PERM_XXX	X		X	X	X
DAILY_PO_PROCESS_XXX	X			X	X
DAILY_PO_ROLLUP				X	
DAILY_SALES_PROCESS			X	X	X
DAILY_SALES_ROLLUP			X		X
DAILY_SE_AP_PROCESS_XXX	X				X
DAILY_SE_AP_SNAPSHOT	X				
DAILY_SE_AR_PROCESS_XXX	X				X
DAILY_SE_AR_SNAPSHOT	X				
DAILY_SE_GL_PROCESS_XXX	X				X
DAILY_START	X	X	X	X	X
EXTRA_DAY_EE_AP_HISTORY		X			X
EXTRA_DAY_EE_AR_HISTORY		X			X
FINANCIAL_REPORT_GENERATOR	X		X		X
HIST_COMMON_PROCESS_XXX	X	X	X	X	X
HIST_EE_AP_AR_FINISH_CHECK		X			X
HIST_EE_AP_SNAPSHOT		X			X
HIST_EE_AP_XXX		X			X
HIST_EE_AR_SNAPSHOT		X			X
HIST_EE_AR_XXX		X			X
HIST_EE_COMMON_XXX		X			X
HIST_EE_GL_XXX		X			X

Table 4.1
Jobs

Job	Financials - SE	Financials - EE	Order Management	Operations	Suite
HIST_EE_PERM_XXX		X			X
HIST_FINISH	X	X	X	X	X
HIST_INV_PROCESS_XXX				X	X
HIST_LOAD_GLTR_HIST	X		X		X
HIST_LOAD_PERM_XXX	X		X	X	X
HIST_LOAD_TR_HIST			X	X	X
HIST_PERM_EXTRACT	X		X	X	X
HIST_PO_PROCESS_XXX				X	X
HIST_PO_ROLLUP				X	X
HIST_SALES_PROCESS_XXX				X	X
HIST_SALES_ROLLUP				X	X
HIST_SE_AP_PROCESS_XXX	X				X
HIST_SE_AP_SNAPSHOT	X				X
HIST_SE_AR_PROCESS_XXX	X				X
HIST_SE_AR_SNAPSHOT	X				X
HIST_SE_GL_PROCESS_XXX	X				X
HIST_START	X	X	X	X	X
INITIAL_JOB_SETUP	X	X	X	X	X
ITEM_PROCESS	X	X	X	X	X
PO_LINE_PROCESS				X	X
PROCESS_CUBES					X

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
ALTERNATE_EXCHANGE_DOMAIN		USA	Alternate exchange rate domain name	Will be used to calculate exchange rates if the domain in which the calculation is occurring does not have an exchange rate defined						X	M
AP_EE_HISTORY_DATE	<customer defined> - 3.4, Set from AP_EE_HISTORY_DATE_MIN when initial job setup is run. - 3.4.1	20081231	The date the AP aging table is to be refreshed from. Three years back is common. - eg 20081231		X						I - M - 3.4
P - 3.4.1											
AP_EE_HISTORY_DATE_MIN	<customer defined>	20081231	The date the AP aging table is to be refreshed from. Three years back is common. - eg 20081231	Added this in 3.4.1 to handle historic loads from multiple EE sources.	X						I - 3.4.1
AP_EE_HISTORY_DATE_Sxx	Created by procedures. - 3.4.1	20081231	Inserted via WsParameterWrite	Created by procedures. - 3.4.1, using the AP_EE_HISTORY_DATE. Sxx references which EE source number this date is for.	X						P - 3.4.1

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
AP_EE_SNAPSHOT_FREQUENCY	M	M	The frequency of snapshots in the AP aging snapshot tables. Possible values are: D for Daily, W for Weekly, M for Monthly, B for both weekly and monthly.	Note that Daily will result in 7 times the amount of data as Weekly; Weekly will be approximately 4 times the amount of data as Monthly. Both Weekly and Monthly means that you will get a record for each end-of-week date as well as a record for each end-of-month date. Need to determine frequency based upon desired view level (i.e., do you want to be able to compare things on a monthly, weekly, or daily basis), number of days of data to view (i.e., how far back should the data go in the fact table), and amount of physical disk space available	X						M
AP_EE_SNAPSHOT_HIST_START_DATE	2008-12-31	2008-12-31	The first date in the AP aging snapshot table in the format YYYY-MM-DD for the first run	Date used for start of AP snapshot in History load. Used for History load only; Daily loads use AP_EE_SNAPSHOT_NUM_DAYS	X						M
AP_EE_SNAPSHOT_NUM_DAYS	5000	5000	The number of days of snapshots to load back each run.	Number of days to include in snapshot. Used to determine AP_EE_SNAPSHOT_START_DATE, which will be calculated as TODAY - this value.	X						M
AP_EE_SNAPSHOT_REPLACE_FLAG	Y	Y	Indicates snapshots will be replaced or not. Y for replace, N for not replaced.	Y to replace the snapshot for recalculated periods when the snapshot job is run; N to just add new records and not update previously calculated records. Default value is N.	X						M
AP_EE_SNAPSHOT_START_DATE	1996-11-12	1997-05-24	The first date in the AP aging snapshot table in the format YYYY-MM-DD	Calculated as TODAY minus AP_EE_SNAPSHOT_START_DATE	X						P

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
AP_PROCESS_CONNECTION_NAME		2010SE	Indicates the connection name used by the AP process job	Connection name used by the currently running AP process, or if no AP job is running, the last-used source connection	X						P
AP_PROCESS_DAYS	20	5000	The number of days of AP to extract and process from permanent staging tables.		X						M
AP_PROCESS_RUNNING	N	N	Indicates if an AP process is currently running (Y,N)	Used to prevent multiple copies of the AP job from running at the same time. Under normal conditions you should not update this manually. However, if a job fails and is deleted, you may need to reset this to N to run the job again. But use caution and ensure that there really is no copy of the job running before changing from to N from Y.	X						P
AP_PROCESS_RUNNING_JOB_NAME		DAILY_AP_PROCESS_2010SE	Indicates the current or last run job name for AP processing.		X						P
AP_REVALUE_PERIODS	30	30	The number of periods to revalue in invoice history		X						M
AP_SE_SNAPSHOT_FREQUENCY	M	M	The frequency of snapshots in the AP aging snapshot tables. Possible values are: D for Daily, W for Weekly, M for Monthly, B for both weekly and monthly.		X						M
AP_SE_SNAPSHOT_HIST_START_DATE	2009-01-01	2009-01-01	The first date in the AP aging snapshot table in the format YYYY-MM-DD for the first run	Date used for start of AP snapshot in History load. Used for History load only; Daily loads use AP_SE_SNAPSHOT_NUM_DAYS	X						M

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
AP_SE_SNAPSHOT_NUM_DAYS	65	5000	The number of days of snapshots to load back each run.	Number of days to include in snapshot. Used to determine AP_SE_SNAPSHOT_START_DATE, which will be calculated as TODAY - this value.	X						M
AP_SE_SNAPSHOT_REPLACE_FLAG	Y	Y	Indicates snapshots will be replaced or not. Y for replace, N for not replaced.	Y to replace the snapshot for recalculated periods when the snapshot job is run; N to just add new records and not update previously calculated records. Default value is N.	X						M
AP_SE_SNAPSHOT_START_DATE	2009-01-01	2009-01-01	The first date in the AP aging snapshot table in the format YYYY-MM-DD to be loaded this run.	Calculated as TODAY minus AP_SE_SNAPSHOT_START_DATE	X						P
AR_EE_HISTORY_DATE	<customer defined> - 3.4, Set from AR_EE_HISTORY_DATE_MIN when initial job setup is run. - 3.4.1	20081231	The date the AR aging table is to be refreshed from. Three years back is common. - eg 20081231		X						I
AR_EE_HISTORY_DATE_MIN	<customer defined> - 3.4.1	20081231	The date the AP aging table is to be refreshed from. Three years back is common. - eg 20081231	Added this in 3.4.1 to handle historic loads from multiple EE sources.	X						I - 3.4.1
AR_EE_HISTORY_DATE_Sxx	Created by procedures. - 3.4.1	20081231	Inserted via WsParameterWrite	Created by procedures. - 3.4.1, using the AP_EE_HISTORY_DATE. Sxx references which EE source number this date is for.	X						P - 3.4.1

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
AR_EE_SNAPSHOT_FREQUENCY	M	M	The frequency of snapshots in the AR aging snapshot tables. Possible values are: D for Daily, W for Weekly, M for Monthly, B for both weekly and monthly.		X						M
AR_EE_SNAPSHOT_HIST_START_DATE	2008-12-31	2008-12-31	The first date in the AR aging snapshot table in the format YYYY-MM-DD for the first run	Date used for start of AR snapshot in History load. Used for History load only; Daily loads use AR_EE_SNAPSHOT_NUM_DAYS	X						M
AR_EE_SNAPSHOT_NUM_DAYS	5000	5000	The number of days of snapshots to load back each run.	Number of days to include in snapshot. Used to determine AR_EE_SNAPSHOT_START_DATE , which will be calculated as TODAY - this value.	X						M
AR_EE_SNAPSHOT_REPLACE_FLAG	Y	Y	Indicates snapshots will be replaced or not. Y for replace, N for not replaced.	Y to replace the snapshot for recalculated periods when the snapshot job is run; N to just add new records and not update previously calculated records. Default value is N.	X						M
AR_EE_SNAPSHOT_START_DATE	1996-11-12	1997-05-24	The first date in the AR aging snapshot table in the format YYYY-MM-DD	Calculated as TODAY minus AR_EE_SNAPSHOT_START_DATE	X						P
AR_PROCESS_CONNECTION_NAME		2010SE	Indicates the connection name used by the AR process job		X						P
AR_PROCESS_DAYS	20	5000	The number of days of AR to extract and process from permanent staging tables.		X						M

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
AR_PROCESS_RUNNING	N	N	Indicates if a AR process is currently running (Y,N)	Used to prevent multiple copies of the AR job from running at the same time. Under normal conditions you should not update this manually. However, if a job fails and is deleted, you may need to reset this to N to run the job again. But use caution and ensure that there really is no copy of the job running before changing from to N from Y.	X						P
AR_PROCESS_RUNNING_JOB_NAME		DAILY_AR_PROCESS_2010SE	Indicates the current or last run job name for AR processing.		X						P
AR_REVALUE_PERIODS	30	30	The number of periods to revalue in invoice history		X						M
AR_SE_SNAPSHOT_FREQUENCY	M	M	The frequency of snapshots in the AR aging snapshot tables. Possible values are: D for Daily, W for Weekly, M for Monthly, B for both weekly and monthly.		X						M
AR_SE_SNAPSHOT_HIST_START_DATE	2009-01-01	2009-01-01	The first date in the AR aging snapshot table in the format YYYY-MM-DD for the first run	Date used for start of AR snapshot in History load. Used for History load only; Daily loads use AR_SE_SNAPSHOT_NUM_DAYS	X						M
AR_SE_SNAPSHOT_NUM_DAYS	65	5000	The number of days of snapshots to load back each run.	Number of days to include in snapshot. Used to determine AS_EE_SNAPSHOT_START_DATE, which will be calculated as TODAY - this value.	X						M
AR_SE_SNAPSHOT_REPLACE_FLAG	Y	Y	Indicates snapshots will be replaced or not. Y for replace, N for not replaced.	Y to replace the snapshot for recalculated periods when the snapshot job is run; N to just add new records and not update previously calculated records. Default value is N.	X						M

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
AR_SE_SNAPSHOT_START_DATE	2009-01-01	1997-05-24	The first date in the AR aging snapshot table in the format YYYY-MM-DD to be loaded this run.	Calculated as TODAY minus AR_SE_SNAPSHOT_START_DATE	X						P
BUDGET_ACTUAL_ROW	ACTUAL	ACTUAL	The source data for the actual row in the budget dimension		X						M
COM_PROCESS_CONNECTION_NAME		2010SE	Indicates the connection name used by the common process job							X	P
COM_PROCESS_RUNNING	N	N	Indicates if a Common process is currently running (Y,N)	Used to prevent multiple copies of the COMMON job from running at the same time. Under normal conditions you should not update this manually. However, if a job fails and is deleted, you may need to reset this to N to run the job again. But use caution and ensure that there really is no copy of the job running before changing from to N from Y.						X	P
COM_PROCESS_RUNNING_JOB_NAME		DAILY_PERM_2010SE	Indicates the current or last run job name for COMMON processing.							X	P
CORP_CALENDAR_DOMAIN	<Enter domain here for corporate calendar setup>	10USA	The Domain Code used for the corporate financial calendar							X	M
CORP_CALENDAR_SOURCE	<Enter data source name here for corporate calendar setup>	QMI	The Source System Code used for the corporate financial calendar							X	M
CORP_CURRENCY_CODE	USD	USD	Corporate currency code used for high level reporting							X	M

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
DAILY_HISTORY_DATE_SET_CURRENT	Y	Y	Default Y indicates jobs will always set the SALES and PO HISTORY DATE to the current date. If there is a need to run loads using a date prior to today, set the Value to N and change the values of the history dates to the date needed.	3.4.1 - Added to determine if the SALES_ORDER_HISTORY_DATES and PO_ORDER_HISTORY_DATES that are set by their respective setup jobs should increment by one (better for testing purposes) or be set to current date (presuming that current date minus process days is greater than the last _HISTORY_DATE to avoid data gaps).		X		X			M
DAILY_LOAD_JOB_CURNO	0	21	Current Daily Load Job Number							X	P
DAILY_LOAD_JOB_PREFIX	DAILY_	DAILY_	Base name of the Daily Load job							X	P
DAILY_LOAD_JOB001		DAILY_COMMON_PROCESS_QMI	Inserted via WsParameterWrite							X	P
DAILY_LOAD_JOB002 - DAILY_LOAD_JOBXXX	Does not exist until INITIAL_JOB_SETUP is run; jobs and their order determined by INITIAL_JOB_SETUP job; should be a complete set of jobs for each source, in order		Inserted via WsParameterWrite							X	P
DAILY_LOAD_SOURCE_CURNO	0	0	Current Source System Number being run							X	P
DAILY_LOAD_SOURCE_S01	<Enter data source name here for initial setup>	QMI	Name of the source system loaded as the 01 job.	The connection name of the first or primary source system.						X	M

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
DAILY_LOAD_SOURCE_S02	Does not exist by default; add if additional source	2010SE		If needed, the connection name of the second source system.						X	M
DAILY_LOAD_SOURCE_S99	Dummy Parameter	Dummy Parameter	Add more by just inserting more parameters	Add parameters with consecutive numbers for each additional source system.						X	Q
DATE_EARLIEST_POSSIBLE	1900-01-01	1900-01-01	The latest date value possible used for unknown dates and setting history dates							X	M
DATE_LATEST_POSSIBLE	2999-12-31	2999-12-31	The earliest date value possible used for unknown dates and setting history dates							X	M
DEFAULT_ACCOUNT	00000	00000	The default value used for unknown account	Must not be a real account code						X	M
DEFAULT_COST_CENTER	0000	0000	The default value used for unknown cost center	Must not be a real cost center code						X	M
DEFAULT_DOMAIN	00000	00000	The default value used for unknown domain	Must not be a real domain code						X	M
DEFAULT_DOMAIN_EAM	QP	QP	Default Domain to use when loading the Domain, Acct_Cal and Acct_cal_year tables. Only one Calendar will be loaded. TO BE CONFRIMED.				X				M
DEFAULT_ENTITY	0000	0000	The default value used for unknown entity	Must not be a real entity code						X	M
DEFAULT_PROJECT	00000	00000	The default value used for unknown project	Must not be a real project code						X	M
DEFAULT_SOURCE		Unknown Source	The default value used for unknown source system	Must not be a real source system code						X	M

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
DEFAULT_SUB_ACCOUNT	0000000	0000000	The default value used for unknown sub-account	Must not be a real sub-account code						X	M
FIN_FIRST_DAY_NAME	SUN	SUN	The short day name of the first day of the week. Used in financial calendar derivation.		X						M
FIN_FIRST_DAY_NAME	SUN		If the customer needs their Financial weeks to start on a different day then Sunday, this will need to be changed to the appropriate day.		X						
GL_EE_POST_MAX	0	0	0		X						P
GL_EE_POST_MAX_S01	Does not exist until first EE GL load	441563	DON'T UPDATE MANUALLY. Maximum Posting Id to extract this iteration.		X						P
GL_EE_POSTLINE_MAX	0	0	0		X						P
GL_EE_POSTLINE_MAX_S01	Does not exist until first EE GL load	441569	DON'T UPDATE MANUALLY. Maximum Posting Line Id to extract this iteration.		X						P
GL_EE_SOURCE_S01	Does not exist until first EE GL load	QMI	Inserted via WsParameterWrite		X						P
GL_HISTORY_LOAD_REQUIRED	Y	N	Controls initial processing of loading of historical GL data. Always 'N' unless an initial history load is required		X						P

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
GL_LOAD_DAYS	52	5000	The number of days to load from the look back days forward for GL related transactional tables		X						M
GL_LOAD_DAYS	52		This is the number of days back to load the GL Month Balances table. Currently this applies to both the Historic and Daily loads. For the historic load find out how many years back the custom wants to see data and change this number to the approximate amount of days required to match the customers required number of years. After the historic load is complete, set this back to 52.		X						
GL_LOAD_LOOKBACK_DAYS	50	5000	The number of days to look back for changes in QAD in a table for GL related transactional tables		X						M

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
GL_LOAD_LOOKBACK_DAY	50		This is the number of days back to load the GL Month Balances table. Currently this applies to both the Historic and Daily loads. For the historic load find out how many years back the custom wants to see data and change this number to the approximate amount of days required to match the customers required number of years. After the historic load is complete, set this back to 52.		X						
GL_LOAD_PERIOD_FROM	199301	199705	The starting period for changes in QAD in a table for GL related transactional tables. Calculated using parameter GL_LOAD_LOOKBACK_DAYS.		X						P
GL_LOAD_PERIOD_TO	201002	201012	The finishing period for changes in QAD in a table for GL related transactional tables. Calculated using parameters GL_LOAD_LOOKBACK_DAYS and GL_LOAD_DAYS.		X						P

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
GL_PERIOD1_FISCAL_ACCOUNT_ZERO_TYPES		I,E	Account types to set to zero in fact_gl_balances when a new fiscal period starts. If null, none are set. The proper values in this parameter should be a list of account codes such that the string would be appropriate in an IN clause.		X						M
GL_POST_LOOP_NO	0	0			X						P
GL_PROCESS_CONNECTION_NAME		2010SE	Indicates the connection name used by the GL process job		X						P
GL_PROCESS_DAYS	200	5000	The number of days of GL to extract and process from permanent staging tables.		X						M
GL_PROCESS_RUNNING	N	N	Indicates if a GL process is currently running (Y,N)	Used to prevent multiple copies of the GL job from running at the same time. Under normal conditions you should not update this manually. However, if a job fails and is deleted, you may need to reset this to N to run the job again. But use caution and ensure that there really is no copy of the job running before changing from to N from Y.	X						P
GL_PROCESS_RUNNING_JOB_NAME		DAILY_GL_PROCESS_2010SE	Indicates the GL process that is currently running or the GL process that last ran.		X						P
GL_YEAR_END_ACCOUNT	121100	121100	The default account for the year end carry over amount		X						M
GLTR_HIST_CONNECTION_NAME		2010SE	Inserted via WsParameterWrite		X						P

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
GLTR_HIST_DOMAIN		'QAD','QP','QPAU','train	'Inserted via WsParameterWrite		X						P
GLTR_HIST_LOAD_MAXSIZE	500000	500000	The maximum number of rows to load in an iteration loading gltr_hist		X						P
GLTR_HIST_LOOP_NO	0	0	DON'T UPDATE MANUALLY. The iteration number loading tr_hist.		X						P
GLTR_HIST_ROW_COUNT	0	4919	DON'T UPDATE MANUALLY. Number of rows loaded into gltr_hist.		X						P
GLTR_HIST_TRAN_MAX	0	200704110004148000.00	DON'T UPDATE MANUALLY. Maximum Transaction Id to extract this iteration.		X						P
GLTR_HIST_TRAN_MIN	-1	-1	DON'T UPDATE MANUALLY. Minimum Transaction Id to extract this iteration.		X						P
HIST_LOAD_EE_AP_RUNNING	N	C	Indicates the EXTRA_DAY_EE_AP_HISTORY load processes is underway. C for completed, Y for yes or N for no.	Added in 3.4.1 - Used by the HIST_EE_AP_AR_FINISH_CHECK job to determine if it can let the next set of jobs run.	X						P
HIST_LOAD_EE_AR_RUNNING	N	C	Indicates the EXTRA_DAY_EE_AR_HISTORY load processes is underway. C for completed, Y for yes or N for no.	Added in 3.4.1 - Used by the HIST_EE_AP_AR_FINISH_CHECK job to determine if it can let the next set of jobs run.	X						P
HIST_LOAD_GLTR_HIST_RUNNING	N	C	Indicates a gltr_hist history load processes is underway. C for completed, Y for yes or N for no.							X	P

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
HIST_LOAD_JOB_CURNO	0	21	Current History Load Job Number							X	P
HIST_LOAD_JOB_PREFIX	HIST_LOAD_	HIST_LOAD_	Base name of the History Load job							X	P
HIST_LOAD_JOB001		HIST_COMMON_PROCESS_QMI	Inserted via WsParameterWrite							X	P
HIST_LOAD_JOB002 - HIST_LOAD_JOBXXX	Does not exist until INITIAL_JOB_SETUP is run; jobs and their order determined by INITIAL_JOB_SETUP job; should be a complete set of jobs for each source, in order		Inserted via WsParameterWrite							X	P
HIST_LOAD_SOURCE_CURNO	1	1	Current Source System Number being run							X	P
HIST_LOAD_SOURCE_S01	<Enter data source name here for initial setup>	QMI	Name of the source system loaded as the 01 job.							X	M
HIST_LOAD_SOURCE_S02	Does not exist by default; add if additional source	2010SE								X	M
HIST_LOAD_SOURCE_S99	Add more by just inserting more parameters	Add more by just inserting more parameters	Dummy Parameter							X	Q

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
HIST_LOAD_TR_HIST_RUNNING	N	C	Indicates a tr_hist history load processes is underway. C for completed, Y for yes or N for no.							X	P
IH_INVOICETYPE	0	ih_hist.ih_invoicetype	Internal use only. Specifies the column name in ih_hist for invoice_type, or 0 if not supported on this version of the source system. There are two invoice type columns in the EE version of ih_hist. This allows us to capture both.	Added in 3.4.1 - When extracting from EE sources, invoice type needs to reference a new column in the ih_hist table.		X					P
INITIAL_JOB_SETUP_CONNECTION_01	<Enter data source name here for initial setup>	QMI	Name of the connection 01 used as a source system for cloning jobs.							X	M
INITIAL_JOB_SETUP_CONNECTION_01_RUN	N	Y	This determines if the Initial Job Setup has been run against this data source yet or not. Any new data source should have an N. Value is set to C when historic load has completed.	Added in 3.4.1 - Will be used by INITIAL_JOB_SETUP job to ensure that existing data sources are NOT re-run as part of the historic load when new sources are added.						X	P
INITIAL_JOB_SETUP_CONNECTION_01_TYPE	SE	EE	Connection Type - SE for Standard Edition Financials, and EE for Enterprise Edition Financials. Defaults to SE	Used to determine whether to set up EE Financial or SE Financial jobs for this data source.						X	M
INITIAL_JOB_SETUP_CONNECTION_02	Does not exist by default; add if additional source. Delete if none.	2010SE	Name of the connection 02 used as a source system for cloning jobs.							X	M

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
INITIAL_JOB_SETUP_CONNECTION_02_RUN	Does not exist by default; add if additional source. Delete if none.	Y	This determines if the Initial Job Setup has been run against this data source yet or not. Any new data source should have an N.	Added in 3.4.1 - Will be used by INITIAL_JOB_SETUP job to ensure that existing data sources are NOT re-run as part of the historic load when new sources are added.						X	P
INITIAL_JOB_SETUP_CONNECTION_02_TYPE	Does not exist by default; add if additional source. Delete if none.	SE	Connection Type - SE for Standard Edition Financials, and EE for Enterprise Edition Financials. Defaults to SE							X	M
INITIAL_JOB_SETUP_CONNECTION_99	Add more by just inserting more parameters	Add more by just inserting more parameters	Dummy Parameter							X	Q
INITIAL_JOB_SETUP_DATE	<Set to today's date before starting the initial history load>	Set to today's date (current date) so INITIAL_JOB_SETUP uses this date to populate various other parameters. YYYY-MM-DD	Added in 3.4.1. INITIAL_JOB_SETUP uses this date to populate the majority of the previously manually populated date fields for job setup.							X	I
INITIAL_JOB_SETUP_ENABLED	Y	N	Indicates the job cloning functionality is unlocked. This is a Y or N flag - initially Y then change to N when job cloning has been completed.	The INITIAL_JOB_SETUP job will not do anything if this is set to N. If set to Y, running the INITIAL_JOB_SETUP job will create the jobs for each source defined in the DAILY and HIST source parameters, then set the value back to N so that the initial job cannot be accidentally run again.						X	P

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
INITIAL_JOB_SETUP_JOBINJOB_01	DAILY_XXXXXXXX	DAILY_XXXXXXXX	Name of the 01 job that contains other jobs.							X	Q
INITIAL_JOB_SETUP_JOBINJOB_02	HIST_LOAD_XXXXXXX	HIST_LOAD_XXXXXXXX	Name of the 02 job that contains other jobs.							X	Q
INITIAL_JOB_SETUP_JOBINJOB_03			Name of the 03 job that contains other jobs.							X	Q
INITIAL_JOB_SETUP_JOBINJOB_04			Name of the 04 job that contains other jobs.							X	Q
INITIAL_JOB_SETUP_JOBINJOB_99	Add more by just inserting more parameters	Add more by just inserting more parameters	Dummy Parameter							X	Q
INV_BALANCE_HIST_START_DATE	2008-01-01	2008-01-01	The START date used for Inventory Transactions history loading						X		M
INV_HISTORICAL_PERIOD_COUNT	-24	-24	Number of periods to use to determine Average daily issued quantity historical.						X		M
INV_LAST_IN_MSTR_EXTRACT		40574.53221	Last Extract Timestamp of data currently in load_in_mstr						X		P
INV_PROCESS_CONNECTION_NAME		2010SE	Indicates the connection name used by the Inventory process job						X		P
INV_PROCESS_DAYS	10	5000	The number of days of Inventory to extract and process from permanent Data Store tables						X		M

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
INV_PROCESS_RUNNING	N	N	Indicates if an Inventory process is currently running (Y,N)	Used to prevent multiple copies of the Inventory job from running at the same time. Under normal conditions you should not update this manually. However, if a job fails and is deleted, you may need to reset this to N to run the job again. But use caution and ensure that there really is no copy of the job running before changing from to N from Y.					X		P
INV_PROCESS_RUNNING_JOB_NAME		DAILY_INV_PROCESS_2010SE	Indicates the current or last run job name for INVENTORY processing.						X		P
INV_PROJECTED_DAYS_ON_HAND_MAX	999999999999999	999999999999999	If there is no mrp_demand to calculate projected days on hand, the number to display to represent an infinite amount of days.						X		M
INV_REVALUE_PERIODS	100	10	The number of periods to revalue in inventory balances						X		M

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
INV_TRANS_TYPES	'CST-ADJ','CST-TR','CYC-CNT','CYC-ERR','CYC-RCNT','ISS-CHL','ISS-COR','ISS-DO','ISS-FAS','ISS-GIT','ISS-POIT','ISS-PRV','ISS-RV','ISS-SCRP','ISS-SO','ISS-TR','ISS-UNP','ISS-WO','PLCG-ADJ','RCT-CHL','RCT-DO','RCT-FAS','RCT-GIT','RCT-PO','RCT-POIT','RCT-RS','RCT-SOR','RCT-TR','RCT-UNP','RCT-WO','RJCT-WO','TAG-CNT','CN-CNT	"CST-ADJ','CST-TR','CYC-CNT','CYC-ERR','CYC-RCNT','ISS-CHL','ISS-COR','ISS-DO','ISS-FAS','ISS-GIT','ISS-POIT','ISS-PRV','ISS-RV','ISS-SCRP','ISS-SO','ISS-TR','ISS-UNP','ISS-WO','PLCG-ADJ','RCT-CHL','RCT-DO','RCT-FAS','RCT-GIT','RCT-PO','RCT-POIT','RCT-RS','RCT-SOR','RCT-TR','RCT-UNP','RCT-WO','RJCT-WO','TAG-CNT','CN-CNT	'Transaction types (tr_type) that are related to inventory changes						X		Q

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
INV_TRANS_TYPES_CONS	'CN-SHIP','CN-USE','CN-ADJ','CN-RCT','CN-ISS	"CN-SHIP','CN-USE','CN-ADJ','CN-RCT','CN-ISS	'Transaction types (tr_type) that are related to consignment inventory movements						X		Q
INV_TRANS_TYPES_COUNT_ERR	'CYC-ERR	"CYC-ERR	'Transaction types (tr_type) that are related to count errors						X		Q
INV_TRANS_TYPES_COUNT_TR	'CYC-CNT	"CYC-CNT	'Transaction types (tr_type) that are related to count transactions						X		Q
INV_TRANS_TYPES_CUST	'ISS-SO','RCT-SOR','ISS-COR	"ISS-SO','RCT-SOR','ISS-COR	'Transaction types (tr_type) that are related to customers						X		Q
INV_TRANS_TYPES_GIT	'ISS-GIT','ISS-POIT', 'RCT-GIT','RCT-POIT	"ISS-GIT','ISS-POIT', 'RCT-GIT','RCT-POIT	'Transaction types (tr_type) that are related to goods in transit (GIT).						X		Q
INV_TRANS_TYPES_ISSUED	'ISS_SO','ISS-COR','ISS-WO','ISS-FAS','ISS-DO','ISS-RMA	"ISS_SO','ISS-COR','ISS-WO','ISS-FAS','ISS-DO','ISS-RMA	'Transaction types (tr_type) that are related to inventory issued						X		Q
INV_TRANS_TYPES_RECEIVED	'RCT-FAS','RCT-PO','RCT-WO','RCT-DO	"RCT-FAS','RCT-PO','RCT-WO','RCT-DO	'Transaction types (tr_type) that are related to inventory received						X		Q
INV_TRANS_TYPES_RECOUNT	'CYC-RCNT	"CYC-RCNT	'Transaction types (tr_type) that are related to re-count transactions						X		Q
INV_TRANS_TYPES_SALES	'ISS-SO','ISS-COR	"ISS-SO','ISS-COR	'Transaction types (tr_type) that are related to sales orders						X		Q
INV_TRANS_TYPES_SUPPLIER	'ISS-PRV','RCT-PO	"ISS-PRV','RCT-PO	'Transaction types (tr_type) that are related to suppliers						X		Q

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
JOB_AP_PROCESS_BATCH_ID	0	749	The batch id for the current DAILY_AP_PROCESS job.		X						P
JOB_AR_PROCESS_BATCH_ID	0	750	The batch id for the current DAILY_AR_PROCESS job.		X						P
JOB_CHAINING_ENABLED	Y	Y	Y if a job starts the next job in the list automatically as it ends, N otherwise							X	M
JOB_COM_PROCESS_BATCH_ID	0	748	The batch id for the current DAILY_COMMON_PROCESS job.							X	P
JOB_GL_PROCESS_BATCH_ID	0	751	The batch id for the current DAILY_GL_PROCESS job.		X						P
JOB_INV_PROCESS_BATCH_ID	0	754	The batch id for the current DAILY_INV_PROCESS_JOB job.						X		P
JOB_PO_PROCESS_BATCH_ID	0	752	The batch id for the current DAILY_PO_PROCESS_JOB job.					X			P
JOB_SALES_PROCESS_BATCH_ID	0	753	The batch id for the current DAILY_SALES_PROCESS job.			X					P
load_xxxxxx_0	Does not exist until after a load	1301	Rowcount from native load at 31/01/11 04:36:45	One row per load table; value is number of rows loaded the last time the specified table was loaded; comment indicates date/time of last load							P
NOT_APPLICABLE_FLAG_VALUE	N	N	The value assigned for a flag field that is not applicable.							X	M

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
NOT_APPLICABLE_NUM_VALUE	0	0	The value assigned for a numeric field that is not applicable.							X	M
NOT_APPLICABLE_TEXT_VALUE	Not Applicable	Not Applicable	The value assigned for a field that is not applicable.							X	M
PERM_HIST_DATE	1900-01-01	1900-01-01	History Date for Permanent Staging Tables							X	M
PERM_HIST_PREFIX	HIST	HIST	History load job name prefix							X	Q
PO_BOOKING_DATE	<Set to today's date before starting the initial history load>	2011-01-28	The processing date used for PO bookings processing. Format is YYYY-MM-DD					X			I
PO_BOOKING_FIRST_DATE	<Set to today's date before starting the initial history load>	2011-01-28	The first processing date for loading bookings. Format is YYYY-MM-DD					X			M
PO_EARLY_TOLERANCE_DELAY	2	2	Amount of days an order can be early and still be considered as on-time.					X			M
PO_LATE_TOLERANCE_DELAY	2	2	Number of days a PO can be late and still considered as on time.					X			M
PO_ORDER_HISTORY_DATE	<Set to today's date before starting the initial history load>	2011-01-28	The processing date used for PO orders history calculations Format is YYYY-MM-DD					X			M
PO_PERCENT_QTY_OVER	10	10	Percentage of Receipt Quantity over Order Quantity for a Purchase Order to still be considered In Full								

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
PO_PERCENT_QTY_UNDER	20	20	Percentage of Receipt Quantity under Order Quantity for a Purchase Order to still be considered In Full								
PO_PROCESS_CONNECTION_NAME		2010SE	Indicates the connection name used by the PO process job.					X			P
PO_PROCESS_DAYS	10	5000	The number of days of PO to extract and process from permanent staging tables.					X			M
PO_PROCESS_RUNNING	N	N	Indicates if a PO process is currently running (Y,N)	Used to prevent multiple copies of the Purchasing job from running at the same time. Under normal conditions you should not update this manually. However, if a job fails and is deleted, you may need to reset this to N to run the job again. But use caution and ensure that there really is no copy of the job running before changing from to N from Y.				X			P
PO_PROCESS_RUNNING_JOB_NAME		DAILY_PO_PROCESS_2010SE	Indicates the current or last run job name for PO processing.					X			P
PO_RET_QTY_TOLERANCE	15	15	Percentage of Returns Quantity used for calculating Defect Rate.								
PO_SNAPSHOT_FREQUENCY	M	M	The frequency of snapshots in the PO order snapshot table. Possible values are: W for Weekly, M for Monthly, B for both weekly and monthly.					X			M

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
PO_SNAPSHOT_HIST_START_DATE	<Set to today's date before starting the initial history load>	2011-01-28	The first date in the PO order snapshot table in the format YYYY-MM-DD for the first run					X			M
PO_SNAPSHOT_NUM_DAYS	100	5000	The number of days of snapshots to load back each run.					X			M
PO_SNAPSHOT_REPLACE_FLAG	Y	Y	Indicates snapshots will be replaced or not. Y for replace, N for not replaced.	Y to replace the snapshot for recalculated periods when the snapshot job is run; N to just add new records and not update previously calculated records. Default value is N.				X			M
PO_SNAPSHOT_START_DATE		1997-05-24	Internal use only. The setup procedure for the PO snapshot tables updates this parameter to determine the date at which to start.					X			P
QAD_MASTER_CONNECTION_NAME	QAD_MASTER	QAD_MASTER	The name of the master generic connection used for all load tables							X	Q
SALES_BOOKING_DATE	<Set to today's date before starting the initial history load>	2011-01-31	The processing date used for SALES bookings processing. Format is YYYY-MM-DD			X					I
SALES_BOOKING_FIRST_DATE	<Set to today's date before starting the initial history load>	2011-01-28	The first processing date for loading bookings. Format is YYYY-MM-DD			X					M
SALES_LOAD_DAYS	3000	5000	The number of days to load from the look back days forward for SALES related transactional tables			X					M

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
SALES_LOAD_LOOKBACK_DAYS	2000	5000	The number of days to look back for changes in QAD in a table for SALES related transactional tables			X					M
SALES_ORDER_HISTORY_DATE	<Set to today's date before starting the initial history load>	2011-01-30	The processing date used for SALES orders history calculations Format is YYYY-MM-DD			X					I
SALES_ORDER_PERF_DATE		2011-01-28	The processing date used for SALES order performance table Format is YYYY-MM-DD			X					I
SALES_ORDER_REVALUE_DAYS	10	10	The number of days after the end of the period to wait for revalue exchange rates to be entered before revaluing order history			X					M
SALES_ORDER_REVALUE_PERIODS	1	1	The number of periods to revalue in order history			X					M
SALES_PROCESS_CONNECTION_NAME		2010SE	Indicates the connection name used by the SALES process job			X					P
SALES_PROCESS_DAYS	10	5000	The number of days of sales to extract and process from permanent staging tables.			X					M

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
SALES_PROCESS_RUNNING	N	N	Indicates if a SALES process is currently running (Y,N)	Used to prevent multiple copies of the Order Management/Sales job from running at the same time. Under normal conditions you should not update this manually. However, if a job fails and is deleted, you may need to reset this to N to run the job again. But use caution and ensure that there really is no copy of the job running before changing from to N from Y.		X					P
SALES_PROCESS_RUNNING_JOB_NAME		DAILY_SALES_PROCESS_2010SE	Inserted via WsParameterWrite			X					P
SALES_SHIPMENT_FILTER	N	N	Filter the shipment data to remove consignments			X					M
SALES_SNAPSHOT_DAYS	1000	5000	Number of days to look back when processing sales order snapshot			X					M
SALES_SNAPSHOT_DOW	1	1	Day of Week Number of the Sales Snapshot Extract. Use % for all days.			X					M
SALES_SNAPSHOT_FREQUENCY	M	M	The frequency of snapshots in the Sales order snapshot table. Possible values are: W for Weekly, M for Monthly, B for both weekly and monthly.					X			M

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
SALES_SNAPSHOT_HIST_START_DATE	<Set to today's date before starting the initial history load>	2011-05-24	Used by the HIST_SALES_ROLLUP job to determine the date at which to start taking Sales order snapshots. Set to today's date by the INITIAL_SETUP_JOB, but can be set to an earlier date by the user if more history in the snapshot is desired.					X			P
SALES_SNAPSHOT_REPLACE_FLAG	Y	Y	Indicates snapshots will be replaced or not. Y for replace, N for not replaced.	Y to replace the snapshot for recalculated periods when the snapshot job is run; N to just add new records and not update previously calculated records. Default value is N.				X			M
SALES_SNAPSHOT_START_DATE		2011-05-24	Internal use only. The setup procedure for the Sales snapshot table updates this parameter to determine the date at which to start by subtracting the SALES_SNAPSHOT_DAYS value from the current date.					X			P
TR_HIST_CONNECTION_NAME		2010SE	Inserted via WsParameterWrite							X	P
TR_HIST_DOMAIN		'AUTO','QP','QPAU','QPCAN','QPMEX','train	'DON'T UPDATE MANUALLY. Domain to extract this iteration							X	P

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
TR_HIST_DOMAIN_S01	Does not exist until after a load of first source's data	'10USA','11CAN','12MEX','20FRA','21NL','22UK','30CHN','31AUS','CAN','FRA','QMSEMEA','QMSUS','Train','UK','USA	'Inserted via WsParameterWrite							X	P
TR_HIST_DOMAIN_S02	Does not exist until after a load of second source's data, if applicable	'AUTO','QP','QPAU','QPCAN','QPMEX','train	'Inserted via WsParameterWrite							X	P
TR_HIST_LOAD_MAXSIZE	1000000	1000000	The maximum number of rows to load in an iteration loading tr_hist							X	P
TR_HIST_LOOP_NO	0	0	DON'T UPDATE MANUALLY. The iteration number loading tr_hist.							X	P
TR_HIST_ROW_COUNT	0	24186	DON'T UPDATE MANUALLY. Number of rows loaded into tr_hist.							X	P
TR_HIST_SOURCE_S01	Does not exist until after a load of first source's data	QMI	Inserted via WsParameterWrite							X	P
TR_HIST_SOURCE_S02	Does not exist until after a load of second source's data, if applicable	2010SE	Inserted via WsParameterWrite							X	P
TR_HIST_TRAN_MAX		2134	DON'T UPDATE MANUALLY. Maximum Transaction Id to extract this iteration.							X	P

Table 4.2
Parameters

Parameter Name	Parameter Default Value	Parameter Sample Value	Parameter Comments	Explanation/Notes	Fin.	S/O Mgmt	EAM	Purch.	Inv.	Com.	Manual/ Programmatic
TR_HIST_TRAN_MAX_S01	Does not exist until after a load of first source's data	27971	DON'T UPDATE MANUALLY. Maximum Transaction Id to extract this iteration.							X	P
TR_HIST_TRAN_MAX_S02	Does not exist until after a load of second source's data, if applicable	17536	DON'T UPDATE MANUALLY. Maximum Transaction Id to extract this iteration.							X	P
TR_HIST_TRAN_MIN	-1	-1	DON'T UPDATE MANUALLY. Minimum Transaction Id to extract this iteration.							X	P
TR_QTY_CN_ADJ	tr_hist.tr_qty_cn_adj	0	Internal use only. Specifies the column name in tr_hist for consignment adjustments, or 0 if not supported on this version of the source system.	Will be set internally; do not set manually. Used by load_tr_hist and load_tr_hist_history						X	P
UNKNOWN_NUM_VALUE	9999	9999	Default value to insert for a column containing NULLs. Used for Primary Key Columns.							X	M
UNKNOWN_VALUE	Unknown	Unknown	Default value to insert for a column containing NULLs. Used for Primary Key Columns.							X	M

Table 4.3
System Information

Related to:	Information Needed
Progress Database	Have they already set up ODBC connections to Progress? If not, please answer the following Progress database questions for each data source being implemented.
Progress Database	Preferred connection name.
Progress Database	Host Name
Progress Database	Port Number
Progress Database	Database Name
Progress Database	User ID
Progress Database	Password
Tomcat	URL
Tomcat	Port Number
SQL Server	Host Name
SQL Server	Port Number
Email for Portal	Host Name
Email for Portal	Port Number
Email for Portal	Authorization? Y or N

Table 4.4
Parameter Values That Require Feedback Before Populating

Parameter Name	Default Value	Notes
AP_EE_HISTORY_DATE_MIN	<customer defined - usually three years back. YYYYMMDD>	In the 3.4 release, put in AP_EE_HISTORY_DATE parameter instead.
AP_EE_SNAPSHOT_HIST_START_DATE	2009-01-01	Date at which point the snapshot table starts populating.
AR_EE_HISTORY_DATE_MIN	<customer defined - usually three years back. YYYYMMDD>	In the 3.4 release, put in AR_EE_HISTORY_DATE parameter instead.
AR_EE_SNAPSHOT_HIST_START_DATE	2009-01-01	Date at which point the snapshot table starts populating.
CORP_CALENDAR_DOMAIN	<Enter domain here for corporate calendar setup>	The domain used to populate the corporate calendar.
CORP_CALENDAR_SOURCE	<Enter data source name here for corporate calendar setup>	The data source used to populate the corporate calendar.
CORP_CURRENCY_CODE	USD	The currency code for corporate amounts calculations. Same for entire warehouse.
DEFAULT_ACCOUNT	00000	Confirm this can be a default for blank or unknown accounts, ie this is not an already existing account.
DEFAULT_COST_CENTER	0000	Confirm this can be a default for blank or unknown cost center, ie this is not an already existing cost center.
DEFAULT_DOMAIN	00000	Confirm this can be a default for blank or unknown domain, ie this is not an already existing domain.

Table 4.4
Parameter Values That Require Feedback Before Populating

Parameter Name	Default Value	Notes
DEFAULT_ENTITY	0000	Confirm this can be a default for blank or unknown entity, ie this is not an already existing entity.
DEFAULT_PROJECT	000000	Confirm this can be a default for blank or unknown project, ie this is not an already existing project.
DEFAULT_SUB_ACCOUNT	0000000	Confirm this can be a default for blank or unknown sub accounts, ie this is not an already existing sub account.
INITIAL_JOB_SETUP_CONNECTION_0x	<Enter data source name here for initial setup>	Get name of each data source from customer. Try to keep the names short (under 12 characters) if possible.
INITIAL_JOB_SETUP_CONNECTION_0x_TYPE(s)	<Enter source type - SE or EE>	Find out from the customer which type, SE or EE each of their data sources is.