

# QAD Business Intelligence Release Notes

June 2011

These release notes include information about the latest QAD Business Intelligence (QAD BI) fixes and changes. These changes may affect the way you implement and use QAD Business Intelligence.

Review this document before proceeding with any phase of QAD Business Intelligence implementation.

These release notes are cumulative, with the most recent changes displayed first. Review the notes for all releases after your currently installed release. Installation and configuration changes may have occurred in those intermediate releases, and unless otherwise noted, apply to the release where they were announced, as well as subsequent releases.

QAD highly recommends that you implement the latest QAD Business Intelligence release available. Check the QAD Online Support Center to make sure you have the latest QAD Business Intelligence release notes, installation errata, installation guide, and installation media.

<http://support.qad.com>

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# Release Notes for Current Release

**QAD Business Intelligence Version:** 3.4.1

**Date:** June 2011

QAD BI 3.4.1 continues the evolution of QAD business intelligence to bring more modules for analysis and an improved portal with which to explore that data.

## New Feature Summary

### Portal

- Locale-specific formatting: The portal will now display numerical values and dates on reports and grids in locale-specific format. (QBI-647)
- The portal has been certified to run in Tomcat 7.0. (QBI-643)
- The portal has been certified to run in SQL Server 2008 R2. (QBI-644)

### Modules

- The analytical modules have been certified to run in SQL Server 2008 R2. (QBI-644)
- The Accounts Receivable (AR) and Accounts Payable (AP) fact tables now include a link to a dim\_expected\_pay\_date dimension. (QBI-226)
- All Data Warehouse tables now support multi-byte characters (all varchar and char columns have been changed to nvarchar). (QBI-629)

## Fixes

Component	Issue ID	Description
Portal	QBI-609	Internationalization - Query designer display of Average, Minimum, Maximum for measures not handling all characters properly
Portal	QBI-637	Portal Upgrade loses target of action item in visualizations
Portal	QBI-646	Visual Items - cannot pass in the value of a level to the drill in when the level is not included in the chart
Portal	QBI-663	Reports: parameters of type datetime do not get passed into the reports
Portal	QBI-669	Sometimes dashboard menu items (folders) display \${Name} rather than translated strings
Portal	QBI-670	Top visual item border not displayed if "show titlebar" is turned off
Portal	QBI-673	Columns of type DateTime defined on dimensions really only capture Date (not the time component) and should be interpreted as such
Portal	QBI-679	Can't select "no format" for Order Date in Reports; Order Date defaults to specific format (rather than no format) in Grids
Portal	QBI-692	Query Designer: Lost context (right-click) menu on Filters
Portal	QBI-694	Repository browser: lost right-click menu on items in Reference By tab
Portal	QBI-695	Test Run button on query designer won't work for other languages
Metadata	QBI-275	CA815434 - Issue with same day cancelled orders in population of fact_om_booking.
Metadata	QBI-308	AR invoices staging not mapping expected payment date to due date if the expected payment date is blank.
Metadata	QBI-505	AR Invoice contains record not in AR Invoice History
Metadata	QBI-568	load_id_det hangs due to oversized comment columns

Component	Issue ID	Description
Metadata	QBI-573	EE: needs to get invoice type for OM from different column than SE
Metadata	QBI-575	INITIAL_JOB_SETUP works only off of HIST_LOAD sources, not DAILY_LOAD sources
Metadata	QBI-583	hist_load_wait_for_tr_hist ends with "unhandled exception"
Metadata	QBI-586	load_pod_det - not running off scheduler but will run manually
Metadata	QBI-607	EE AP/AR loads fail if more than one EE data source
Metadata	QBI-608	AP and AR Snapshots processed more than necessary in multisource environment
Metadata	QBI-612	CLEANUP_LOAD_TABLES job doesn't include EE financial load, stage tables
Metadata	QBI-613	stage_inv_transaction_con_cus5 not processed in any job
Metadata	QBI-619	CA812413 - Product Group Description not populated correctly
Metadata	QBI-620	AR and AP SE History Snapshots not using AR/AP_SE_HIST_SNAPSHOT_START_DATE parameter
Metadata	QBI-621	OM non-OLAP cubes have problems with some dimension level hierarchies
Metadata	QBI-622	Order Management history reload not properly processing historic data
Metadata	QBI-623	ConvertCurrencyValueTrans sets base value to 0 if exchange_rate = exchange_rate1
Metadata	QBI-625	Orders in 7.15.1 Sales Orders by Order Report (eB) not reported in 7_15_1 OM Order Validation (BI)
Metadata	QBI-629	Data Warehouse not handling Chinese characters in ETL process
Metadata	QBI-634	fact_gen_led_report_line dimension keys incorrectly flagged as additive, have incorrect Source Table values
Metadata	QBI-636	UNICODE check box on the Source Mapping tab of the load tables not set
Metadata	QBI-638	CA817513 - fact_inv_mth_balance does not match QAD Progress   load_id_det.Id_status is null causing quantity to drop
Metadata	QBI-640	CA814417 - Fact_ar_invoice_snapshot has \$42 Million in 201012 and it should be closer to \$2 Million ("amount_open_base_91_over" too high due to closed ar invoices not fully paid)
Metadata	QBI-645	Behind one day for fact_ar_invoice_snapshot
Metadata	QBI-658	EE AP and AR Invoice Snapshot Fact table update procedures don't delete 'interim' records for current month
Metadata	QBI-661	For EE loads of AR/AP if there is more than one source system being installed at the same time, nothing prevents the next data source from running even though the AR/AP tables are not finished loading.
Metadata	QBI-678	EE AR/AP History loads can be corrupted if GL load fails
Metadata	QBI-681	Daily SE AR Invoice processing failed at stage_ar_invc_hist_age_recalc Custom job - trying to insert NULL into fact_ar_invoice_history.dim_expected_pay_date_key
Metadata	QBI-560	Need to research purpose of SALES_ORDER_HISTORY_DATE and PO_ORDER_HISTORY_DATE parameters and the problems created by them lagging after a restart.

## Known Issues

### Portal Issues

- The BI Portal application cannot run in the same instance of Tomcat as QXtend. (QBI-174)
- Visual items: drill-in using hierarchy the "loading" spinner displays forever. (QBI-181)
- Model changes in RED are not picked up unless a custom model is opened in the Portal, saved and closed. (QBI-127)
- Creating two Dashboards with same name in different folders causes problems. (QBI-514)

- "Compare By" in Query Design does not allow calculated fields. (QBI-587)
- Export to PDF of report - Chinese characters don't show up properly. (QBI-590)
- The GUI supports translation of repository object names, but the Export/Import object functionality does not yet include the import and export of the translated strings (QBI-604)
- Rename of Data Security Model changes name in Model screen, but not in Add/Edit User screen. (QBI-626)
- Query Designer Advanced mode cannot be used if the query includes a Comparative component. (QBI-671)
- In the BI Portal, a Dashboard text area cannot be edited when Firefox is the browser. (QBI-677)

### Metadata (Module) Issues

- fact\_ar\_invoice\_history has the 'entered date' value stored as a degenerate dimension value rather than as a dimensional join. This will change to a full dimension join in future releases of the BI data warehouse. Doing so might cause some queries to need to change in the future. (QBI-26)
- fact\_om\_order\_history is currently filtering out any orders where the open\_amount in tr\_hist = 0. We need these transactions to complete the history of transactions. (QBI-664) This problem can also cause fact\_om\_order\_performance to give false late markers. (QBI-700)
- Installation of BI analytical modules in a pre-domain ERP environment requires manual changes to metadata. (QBI-691)
- The BI analytical modules do not yet support the QAD ERP running in Oracle. (QBI-693)
- The FINANCIAL\_REPORT\_GENERATOR job only works on Standard Edition data, not on Enterprise Edition. (QBI-697)
- dim\_credit\_term - slowly changing dimension, creates new dimension key using same column values every day. (QBI-704)
- fact\_po\_order\_history is filtering out the offspring of blanket orders and it's unclear if this is actually correct. (QBI-705)

## Upgrade to QAD BI 3.4.1 from BI 3.4

### BI Portal Upgrade Procedure

#### Preparation

- 1 Shut down Tomcat.
- 2 Back up the BI Portal database.

**Note** QAD BI Portal version 3.4 requires WhereScape RED or QAD BI DWD version 6.1 or later.

#### Upgrade Steps for QAD BI Portal

- 1 Copy the TOMCAT\_HOME\webapps\your\_bi\_appname directory to TOMCAT\_HOME\your\_bi\_appname.save34 so that you have a backup of your BI 3.4 web application.
- 2 Unzip the new BI 3.4.1 Portal data.zip file into TOMCAT\_HOME\webapps\your\_bi\_appname, overwriting any existing files with the newer version from the data.zip file. Your configuration files will not be overwritten.

### 3 Start Tomcat.

#### Note on Password Encryption in the BI Portal

As of BI Portal 3.4, 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 the 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.

#### Verification

- 1 Connect to your BI Portal. Click on the About link on the login screen and verify that the Version is 3.4.1 and the Build Number is BI3-TRUNK-JOB1-1008.

### BI Metadata Upgrade Procedure

Refer to the release notes for what has changed in this release. One of the very important changes is that the warehouse now supports multi-byte characters. All `varchar` and `char` columns will now be changed to `nvarchar`.

#### Preparation

- 1 Take a backup of the current warehouse database.
- 2 Plan for a couple of hours of down time.
- 3 Ensure none of the loads are currently in progress. All jobs must be completed.
- 4 Stop Scheduler.
- 5 Before you begin, make note the following:
  - a Note the `AP_EE_HISTORY_DATE` (if it exists): \_\_\_\_\_
  - b Note the `AR_EE_HISTORY_DATE` (if it exists): \_\_\_\_\_
  - c Note any `DAILY_LOAD_SOURCE_Sxx` jobs that appear after the standard `_SNAPSHOT` tables:  
\_\_\_\_\_
  - d Note any `HIST_LOAD_SOURCE_Sxx` jobs that appear after the standard `_SNAPSHOT` tables:  
\_\_\_\_\_

**Warning** This upgrade will replace all your load tables, so if there are any customizations to the load tables, ensure they are ready to be made again.

### Upgrade Steps for QAD BI Metadata

- 1 Log in to Setup Administrator.
- 2 Load Application 341-up (this includes all tables, but only new/modified parameters and jobs).
- 3 A dialog box will prompt you "Do you want to proceed now?"; click OK.
- 4 The next dialog box is for "Application Load Properties":
  - a Select Dimension on the left; on the right, click on the box next to "Existing Dimension objects will be" and select Altered.
  - b Select Dimension View on the left; on the right, click on the box next to "Existing Dimension View objects will be" and select Recreated.
  - c Select Stage Table on the left; on the right, click on the box next to "Existing Stage table objects will be" and select Altered.
  - d Select Permanent Stage Table on the left; on the right, click on the box next to "Existing Permanent Stage table objects will be" and select Altered.
  - e Select Fact Table on the left; on the right, click on the box next to "Existing Fact table objects will be" and select Altered.
  - f Click OK.
- 5 The upgrade application installation will take some time as the load process alters/recreates various objects. Once the process completes, make any necessary customizations to your load tables. Verify that all other customizations are not affected.
- 6 Start the Scheduler, but make sure all jobs are still suspended.
- 7 You must populate some new parameters and possibly modify some existing values, as follows:
  - a (EE sources only) Populate AP\_EE\_HISTORY\_DATE\_MIN with a value approximately three years back or whatever date value the customer specifies for their historic loads to begin at. Note the different date format of YYYYMMDD.
  - b (EE sources only) If it doesn't exist, create an AP\_EE\_HISTORY\_DATE\_Sxx where xx = the number for every EE source system you have already installed. The number for each source should correspond to the source tied to the 'xx' number values at the end of the corresponding Parameters for DAILY\_LOAD\_SOURCE\_Sxx, HIST\_LOAD\_SOURCE\_Sxx and INITIAL\_JOB\_SETUP\_CONNECTION\_xx. It's OK to skip numbers if you have an SE source system in between. Populate that value with the AP\_EE\_HISTORY\_DATE you noted at the beginning.
  - c (EE sources only) Populate AR\_EE\_HISTORY\_DATE\_MIN with a value approximately three years back or whatever date value the customer specifies for their historic loads to begin at. Note the different date format of YYYYMMDD.
  - d (EE sources only) If it doesn't exist, create an AR\_EE\_HISTORY\_DATE\_Sxx where xx = the number for every EE source system you have already installed. The number for each source should correspond to the source tied to the 'xx' number values at the end of the corresponding Parameters for DAILY\_LOAD\_SOURCE\_Sxx, HIST\_LOAD\_SOURCE\_Sxx and

INITIAL\_JOB\_SETUP\_CONNECTION\_XX. It's OK to skip numbers if you have an SE source system in between. Populate that value with the AR\_EE\_HISTORY\_DATE you noted at the beginning.

- e Set INITIAL\_JOB\_SETUP\_CONNECTION\_01\_RUN to Y. If you have more than one source, create (if necessary) and set to Y a parameter named INITIAL\_JOB\_SETUP\_CONNECTION\_XX\_RUN (where xx = the source number) for each INITIAL\_JOB\_SETUP\_CONNECTION\_XX source that has already been historically loaded.
- f **\*\*\*Very important\*\*\*** - Check the PO\_ORDER\_HISTORY\_DATE and SALES\_ORDER\_HISTORY\_DATE parameters. If the current date minus the PO\_PROCESS\_DAYS is newer than the PO\_ORDER\_HISTORY\_DATE, or the current date minus the SALES\_PROCESS\_DAYS is newer than the SALES\_ORDER\_HISTORY\_DATE, increase the process days value so that the current date minus that number of days will produce a date that is before the related ORDER\_HISTORY\_DATE (PO or SALES). Then set INITIAL\_JOB\_SETUP\_DATE to the current date.
- g Change INITIAL\_JOB\_SETUP\_ENABLED to Y.
- h If you want to add an additional data source now, do the following:
  - Add the new source name to DAILY\_LOAD\_SOURCE\_Sxx (where xx represents the next number in the sequence).
  - Add the new source name to HIST\_LOAD\_SOURCE\_Sxx (where xx represents the next number in the sequence).
  - Add the new source name to INITIAL\_JOB\_SETUP\_CONNECTION\_XX (where xx represents the next number in the sequence).
  - Add a new INITIAL\_JOB\_SETUP\_CONNECTION\_XX\_RUN (if it doesn't already exist) and set its value to N.
  - Add a new INITIAL\_JOB\_SETUP\_CONNECTION\_XX\_TYPE (if it doesn't already exist) and set its value to either EE or SE depending on which type your financials system for that source is.
- i In the Scheduler, run the INITIAL\_JOB\_SETUP job.
- j The list of History and Daily jobs will have been re-written by the INITIAL\_JOB\_SETUP job. Now add to the end of the DAILY\_ and HIST\_ load lists any jobs that occurred after the snapshot jobs (which you noted in the Preparation section).
- k Double-check the INITIAL\_JOB\_SETUP\_CONNECTION\_XX\_RUN parameters to make sure that any sources that have been historically loaded have a Y next to their relative \_xx\_ number and that any new sources have an N.
- l If you have added a new data source, go back to the Scheduler. Start the HIST\_START job. Once it starts, double check to make sure it started running HIST\_ jobs only for your new data source.

### Fixing Existing SE Accounts Receivable (AR) Data

If you have SE sources and use the AR module, you will have to run the job named JOB\_FOR\_QBI\_640 once for each SE source to correct improper AR aging calculations that were not taking into account the CLOSED status of an invoice. The AR Aging calculations for open amounts no longer include any unpaid remainders from closed invoices.

To run the job to correct existing data:

- 1 Set the parameter AR\_PROCESS\_CONNECTION\_NAME to an SE source connection name.
- 2 In the QAD\_MASTER connection, set the connection to the SE source with the appropriate extract id and password.
- 3 Run the job JOB\_FOR\_SE\_QBI\_640 in the Scheduler.
- 4 Repeat for each SE source connection (if you have multiple SE sources).

### Run the Upgrade Script in SQL Server

A new dimension, dim\_expected\_pay\_date, has been linked to the Accounts Payable and Accounts Receivable fact tables. In order to set the correct dimension key in the fact tables for existing rows, you must run a script in SQL Server as follows:

- 1 Log in to SQL Server studio.
- 2 Connect to the BI datawarehouse database and run the v34to341\_metadata\_post\_upgrade.sql (found in the BI Portal install\sqlserver directory).

Upgrade should be complete at this point. Resume normal processing.

### Update Portal Documentation and Standard Objects

To install the latest metadata documentation into your BI Portal, unzip the latest qadbi-documentation.zip into your TOMCAT\_HOME\webapps\your\_bi\_appname\documentation directory, overwriting the previous suite subdirectory and its contents.

To install the latest BI Portal standard objects, copy the qad\_standard\_items.zip file into your TOMCAT\_HOME\webapps\your\_bi\_appname\export directory. Then, in the BI Portal, log in as an Administrator. Go to the Administration -> Data Migration screen, click on the Import tab, click the radio button in front of "File on server" and enter in the box the file name qad\_standard\_items.zip. If you do NOT check the "Update existing records" box, only new objects will be imported; any of your current QAD Standard Objects will not be modified. To update the existing objects, check the "Update existing records" box. (You might want to export all objects prior to this step, so that you have a backup prior to updating existing records.)

# Release Notes for 3.4

## QAD Business Intelligence Version: 3.4

**Date:** March 2011

QAD BI 3.4 continues the evolution of QAD Business Intelligence to bring more modules for analysis and an improved portal with which to explore data. The data warehouse has been extended to include Financials (Enterprise Edition) schema set and a few extensions (new metrics) to the Purchasing schema. The portal is now internationalized so users of different languages can query/analyze the data in their preferred language. Also, the power of Comparative Queries in the Portal lets users compare measures side by side against given criteria.

- New Feature Summary
- Fixes
- Known Issues
- Upgrading to QAD BI Portal 3.4 from 3.3.x

## New Feature Summary

### Portal

- Comparative Queries allow users to do a side-by-side comparison of measures against time periods, or any other dimension values.
- Internationalization: The portal is now internationalized and can be configured for all 14 QAD supported languages.
- Fact Views created in the data warehouse are now visible and can be queried using the portal.

### Modules

- Purchasing: New metrics added.
- EE Financials: Support for selected Enterprise Edition Financials metrics, reports and dashboards.
- Internationalization: Language translations have been added to all the modules, so table and column names when viewed in the portal display in the user's preferred language.
- A new, QAD-branded data warehouse designer that supports Unicode data loads.

## Fixes

Component	Issue ID	Description
Portal	QBI-601	Data Security Model Builder - saved new model builder - name not saved
Portal	QBI-600	Internationalization - New Folder dialog buttons overlap when labels are longer than in English (for example, in German)
Portal	QBI-595	Translated data security model names not displaying properly
Portal	QBI-577	Query Editor: Advanced SQL shows extra line breaks
Portal	QBI-572	Parameter substitution incorrect in visual items
Portal	QBI-559	Wrap text on the column headers in grids
Portal	QBI-558	Invalid XML error on multi-series charts with measures that have a > character in their name

<b>Component</b>	<b>Issue ID</b>	<b>Description</b>
Portal	QBI-557	Report parameter supplied by drill in is not shown when the default value comes from a query
Portal	QBI-534	Dashboard with visual item with two parameters, and two parameter bars, not matching parameters properly, results in no data displayed
Portal	QBI-524	Charts take up more space in v3.3 compared to v3.2
Portal	QBI-523	Report Wizard causes error if unselect a field which happens to be a group by criteria
Portal	QBI-512	No scroll bar if Visual Item has many Actions
Portal	QBI-508	Editing an existing advanced query does not allow the user to go to the Next page
Portal	QBI-507	Advanced queries with parameters causes an error when creating report using the wizard
Portal	QBI-501	Change Password upon login dialog doesn't verify that entered & re-entered password actually match
Portal	QBI-472	Visual Item: allow reordering of measures on charts
Portal	QBI-470	Visual Item: uploaded images should retain their original size
Portal	QBI-469	Query Designer - sometimes the filters don't show up
Portal	QBI-467	multiple text areas on dashboard - font changes affect both
Portal	QBI-443	User Admin: Add User screen lets you enter Password values but doesn't use those values - disabled the password fields for User add operation.
Portal	QBI-416	Free form visual item allows rich text editor too - highlight links when put in place properly
Portal	QBI-411	Highlight links in dashboard text areas
Portal	QBI-331	Dashboard: Minimized objects stored that way in dashboard designer don't minimize to same location when viewing dashboard
Portal	QBI-328	Report Wizard: Can't set currency character to a Euro
Portal	QBI-217	Visual Item: Freeform item - when I select the text of a new item to edit it, the Selection Properties panel goes blank
Portal	QBI-452	Charts: filter inappropriate values from query on server, pass message to client
Portal	QBI-176	Allow for encryption of SQL Server password in server-config.xml
Metadata	QBI-597	dim_customer.salesperson1_code null when stage_customer had values for it
Metadata	QBI-596	Current and Previous YTD still wrong in daily_date_roll_qad
Metadata	QBI-581	Incorrect dependencies in HIST_LOAD_PERM caused permsup_om_invoice_line to have 0 rows even though perm_om_invoice_line has data
Metadata	QBI-544	load_idh_hist and load_SYSCOLUMNS lacking post- load File Action to delete all temporary files
Metadata	QBI-528	daily_date_roll_qad does not set week-in-year properly
Metadata	QBI-518	Make specific dimension views for dim_customer to make it easier to understand what kind of customer it is
Models	QBI-554	Constraints on data models are always created with a NotIn clause irrespective of what the user selects on the UI
Models	QBI-539	Model Builder ignoring EUL-visible flag on measures
Portal Standard Objects	QBI-606	Remove certain financials reports

Component	Issue ID	Description
Portal Standard Objects	QBI-549	Remove numbers from names of Portal Standard Items
Services	QBI-478	If tomcat started before SQL/Server, all connections in pool are invalid
Services	QBI-450	Add a standard format for date and time

## Known Issues

- One of the Inventory tasks—stage\_inv\_transaction\_con\_cus5 Process—is missing from both the History and Daily load jobs. To correct this, prior to running the INITIAL\_JOB\_SETUP, Edit Tasks for both the HIST\_INV\_PROCESS\_XXXXXXX and DAILY\_INV\_PROCESS\_XXXXXXX jobs. After stage\_inv\_transaction\_con\_cus4 and before stage\_inv\_transaction\_con\_sup, add the task stage\_inv\_transaction\_con\_cus5 with the action Process. This task should not be grouped with those above or below it; it should have an Order that is higher than the con\_cus4 task and lower than the con\_sup task. Save and rebuild dependencies.
- The BI Portal application cannot run in the same instance of Tomcat as QXtend. (QBI-174)
- Visual items: drill-in using hierarchy the loading spinner displays forever. (QBI-181)
- Model changes in QAD BI DWD are not picked up unless a custom model is opened in the Portal, saved and closed. (QBI-127)
- fact\_ar\_invoice\_history has the entered date value stored as a degenerate dimension value rather than as a dimensional join. This will change to a full dimension join in future releases of the BI data warehouse. Doing so might cause some queries to need to change in the future. (QBI-26)
- Now that the GUI supports translation of repository object names, the Export/Importobject functionality needs to support the import and export of the translated strings. (QBI-604)

## Upgrading to QAD BI Portal 3.4 from 3.3.x

### Preparation

- 1 Shut down Tomcat.
- 2 Back up the BI Portal database.

**Note** QAD BI Portal version 3.4 requires WhereScape RED or QAD BI DWD version 6.1 or later.

### Upgrade Steps for QAD BI Portal

- 1 Move TOMCAT\_HOME\webapps\your\_bi\_appname to TOMCAT\_HOME\your\_bi\_appname.save33.
- 2 Unzip the new data.zip file into TOMCAT\_HOME\webapps\your\_bi\_appname.
- 3 In TOMCAT\_HOME\webapps\your\_bi\_appname\WEB-INF\config, copy the server-config.xml.default file to server-config.xml. Edit the file and set the connection information as it was set in your server configuration file, TOMCAT\_HOME\your\_bi\_appname.save33\WEB-INF\config\server-config.xml file. Do not simply copy over your old file; there is a new section in the server-config.xml to support different languages that must be present. If you do not want to make all the languages available in the Add/Edit User dialog, you can remove the unnecessary ones from the list. However, at least one language must exist in the localeConfig section of the configuration file.

- 4 As there were no changes in BI Portal 3.4 to the LoggerConfig.properties file, you may either copy over the default and set up your log path; or just copy your old TOMCAT\_HOME\your\_bi\_appname.save33\WEB-INF\config\LoggerConfig.properties file to TOMCAT\_HOME\webapps\your\_bi\_appname\WEB-INF\config.
- 5 Copy over from your saved BI 3.3.x webapp directory any folders and documents containing content that you want to continue to access, such as:
  - m The documentation directory (if you had installed the Analytical Module documentation that comes with the metadata).
  - n The published directory (if you had installed the Excel spreadsheets for accessing cubes that comes with the metadata).
  - o Any images in the images directory.
  - p If you had customized a logo image for use in reports, copy that to the new TOMCAT\_HOME\webapps\your\_bi\_appname\WEB-INF\classes\images directory.
- 6 Run the 3.3.x to 3.4 Portal upgrade script in your Portal database. Make sure that there are no errors in the output.
  - a In SQL Server Management Studio, choose File -> Open -> File. Navigate to your new TOMCAT\_HOME\webapps\your\_bi\_appname\install\sqlserver directory and choose the v33tov34.sql script.
  - b Make sure the BI Portal database is selected as the target database.
  - c Click on Execute.
- 7 Start Tomcat.

#### Note on Password Encryption in the BI Portal

With this release of BI Portal, you can 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.

## Verification

Connect to your BI Portal. Click on the About link on the login screen and verify that the Version is 3.4 and the Build Number is BI3-TRUNK-JOB1-972.

# Release Notes for Release 3.2.1

**QAD Business Intelligence Version:** 3.2.1

**Date:** June 6, 2010

## Overview

This document contains information about the specific changes in the QAD BI 3.2.2 release. Most changes in this release impact the BI metadata that is used to build the data warehouse. Some changes to standardize names and fields used by the QAD BI Portal are also included.

## Defect (metadata)

- Order for two different customers that share the same order number caused problem creating fact\_om\_order\_history and fact\_om\_order\_performance.
- dim\_customer\_sold\_to.region\_description had wrong datatype, causing problems in cube creation.
- stage\_om\_booking\_transaction not considering item\_number when building fact table, causing failure.
- stage\_financial\_date displays wrong month at end of financial year.
- fact\_om\_booking: Unit cost base, corp and trans were not showing up as measures in the portal query builder. Same was true for list price base, corp and trans.
- Unit\_costs properly handled in base and trans values.
- Checks with null status in fact\_ap\_check were not showing as OPEN.
- fact\_om\_invoice: Unit Cost, List Price, Net Price Base, Corp, Trans were not showing up as measures in the portal query builder.
- Some fact tables do not have proper Business Display Names (End User Labels).
- Some dimension tables do not have proper Business Display Names (End User Labels).
- fact\_om\_order\_history: Unit Cost, List Price, Net Price Base, Corp, Trans were not showing up as measures in the portal query builder.
- fact\_om\_shipment: Unit Cost, List Price, Net Price Base, Corp, Trans were not showing up as measures in the portal query builder.
- Bookings reversals have wrong effective date.
- AR invoice aging logic is only showing positive amounts, not credits.
- fact\_ap\_invoice\_snapshot, fact\_ar\_invoice\_history, fact\_ar\_invoice\_snapshot - Credit Term Split Sequence should not be a measure in the portal query builder.
- fact\_ap\_voucher\_history: several Amount Open bucket measures not showing up properly as measures in the portal query builder.
- fact\_ar\_invoice\_history: Account Base not showing up properly as a measure in the portal query builder.
- work\_ap\_check\_list has erroneous data source listed, causing data to load improperly.
- fact\_om\_order\_history was not considering transactions that changed before the SALES\_ORDER\_HISTORY\_DATE parameter value, even if they were back changed.
- fact\_ap\_voucher\_history never receives closed vouchers (where the base amount is zero).
- fact\_ar\_invoice - open\_amount\_base was calculated incorrectly.
- Address field sizes were expanded to hold large address lengths, throughout the warehouse.
- fact\_ap\_check contained some checks that were really vouchers.

## Defect (portal)

- Dashboard: dashboard view was incorrectly showing multiple scroll bars when the height of the dashboard was set to a smaller size than the items placed on it required.
- Report: Refreshing a query used by a report was not properly refreshing the queries parameters.
- Dashboard: Problems with multiple visual items using parameter bars would periodically cause incorrect refresh behavior when the parameter bar changed, resulting in no data to display messages.
- Query Designer: use display names for fact tables in the drop down, rather than table names.

## Enhancements

- Metadata: Fact table labels (Business Display Names, or EULs) made consistent across fact tables.
- Metadata: added cube creation job.

