



QAD Enterprise Applications
Enterprise Edition

Training Guide Conversion

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QAD 2009 Enterprise Edition
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About This Course

Course Description

This course is designed to build your expertise in installing, configuring, and maintaining QAD Enterprise Edition. It consists of four modules:

- Overview
- Pre-conversion
- Conversion Execution
- Post-conversion.

Course Objectives

By the end of this class, students will:

- Understand the QAD Enterprise Edition conversion process
- Be able to perform pre-conversion tasks
- Know how to execute a conversion
- Troubleshoot and solve common conversion issues
- Be able to complete post-conversion tasks.

Audience

This course is intended for system administrators and other technical users who will be converting QAD Enterprise Edition products.

Prerequisites

This course requires experience in database administration and familiarity with QAD Enterprise Edition products.

System Requirements

This course uses the QAD Enterprise Applications Enterprise Edition database. See the title page for the exact database title. Whether you are studying this material in a classroom or as a self-study exercise, this is launched in a virtual environment management system. QAD instructors will prepare classroom environments. If you encounter questions or problems on QAD software that are not addressed in this book, several resources are available.

QAD Resources

If you encounter questions or problems on QAD software that are not addressed in this book, several resources are available.

Product Help

All QAD products ship with integrated help systems. A properly installed QAD application will display help when you press the Help key (F1), or access it through the menu. The help covers the normal use of the product.

QAD Web Resources

The QAD website provides product and company overviews. The Print Solution option on the opening page provides a means of compiling desired content into a document specialized to your industry, business implementation, and needs.

<http://www.qad.com/>

From QAD's main site, you can access QAD's Learning or Support sites.

QAD Learning Portal for Training Opportunities

To view available training courses, locations, and materials, use the QAD Learning Portal. Choose Learning under the Global Services tab to access this resource.

QAD Support for Product Documentation and the QAD Knowledgebase

To access release notes, user guides, installation and conversion guides by product and release, visit the Support website. Support also offers an array of tools depending on your company's maintenance agreement with QAD. These include the Knowledgebase and direct links to QAD Support experts.

Choose Support under the Global Services tab.

Any QAD customer can register for a QAD web account by accessing the Support web site and clicking the Accounts link at the top of the screen. Your customer ID number is required. Access to certain areas is dependent on the type of agreement you have with QAD.

CHAPTER 1

Conversion Overview

Introduction

This presentation provides an overview of the conversion process.



Conversion Introduction and Overview



Agenda

- ▲ Introduction & overview of the conversion process
- ▲ Pre-conversion
 - Overview & practical exercise
- ▲ Conversion execution
 - Overview & practical exercise
- ▲ Post-conversion
 - Overview & practical exercise

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Agenda



Prerequisite skills

▲ **Essential skills:**

- System maintenance, for example, adding menu items and custom programs
- How to start/stop AdminServer, Appservers & NameServers
- Basic Progress DBA skills (probkup, prorest, dump and load)
- Familiar with Linux/HP-UX and command line navigation

▲ **Strongly Recommended skills:**

- Familiar with Progress database administration – DB tuning parameters
- Basic Progress coding skills for debugging - simple Progress queries
- Basic Tomcat administration skills - start/stop/install/change ports/permissions
- Familiar with x-window/vnc server

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Prerequisite Skills



Prerequisite training

- ▲ Training :
 - QAD EE Installation & Administration

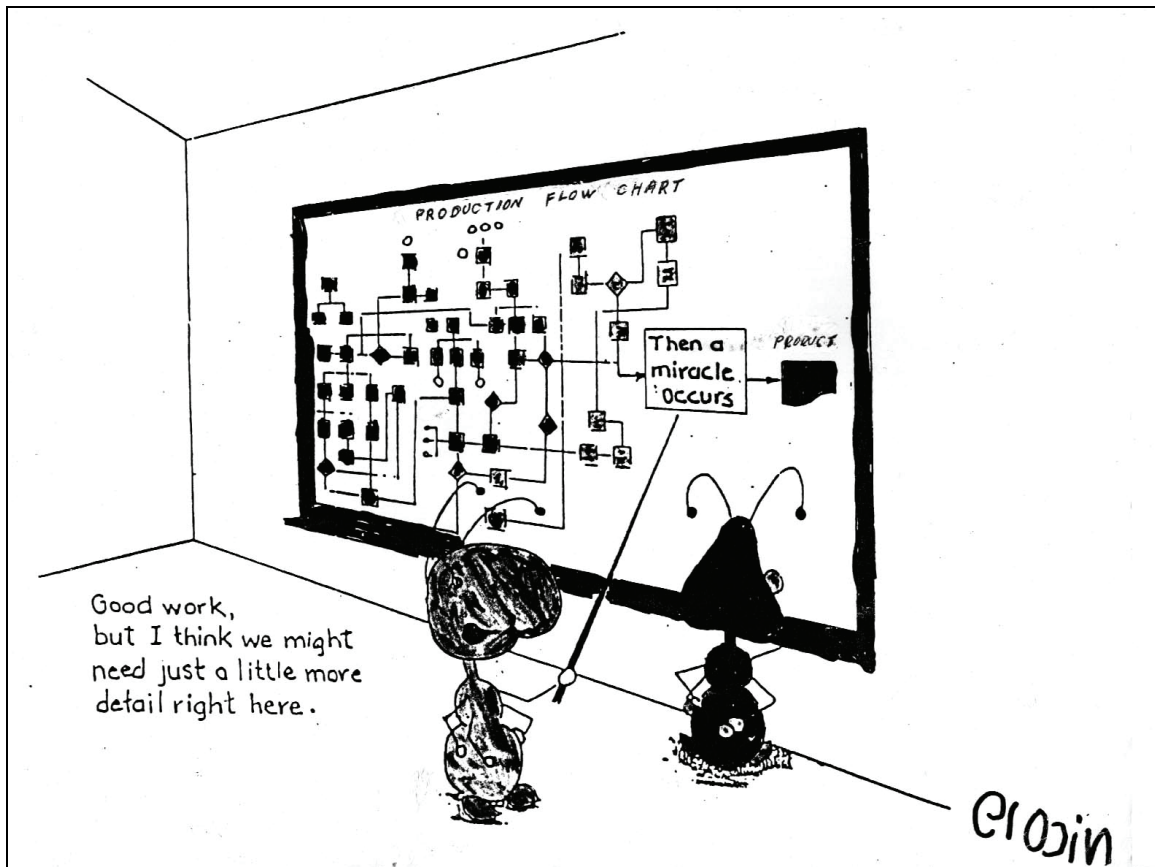
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Prerequisite Training

QAD EE Conversions ...



QAD EE Conversions



How It Works



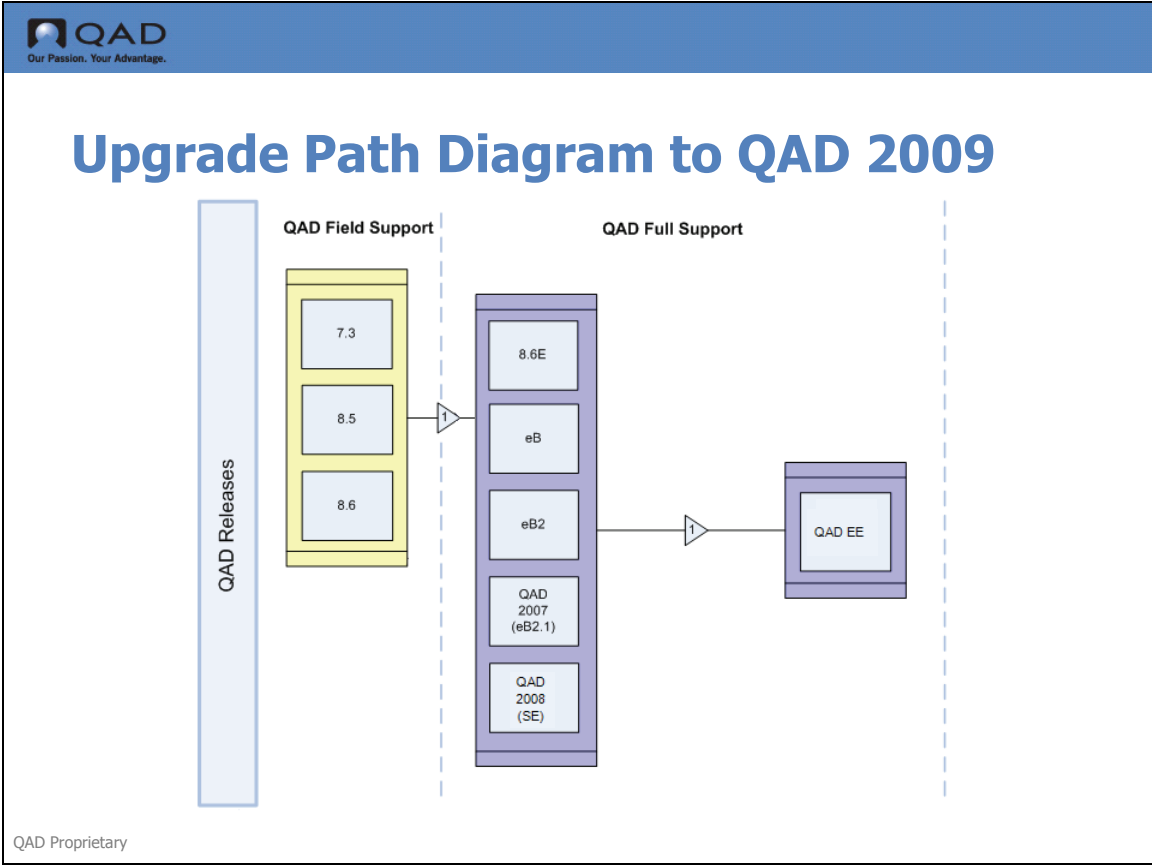
QAD EE Conversion Process

- ▲ Upgrade path
- ▲ Typical implementation process walkthrough
- ▲ Performance of largest customer db to-date
- ▲ Overview of conversion process
 - Pre-conversion activities & business considerations
 - Conversion execution
 - Post-conversion activities

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QAD EE Conversion Process



Upgrade Path Diagram



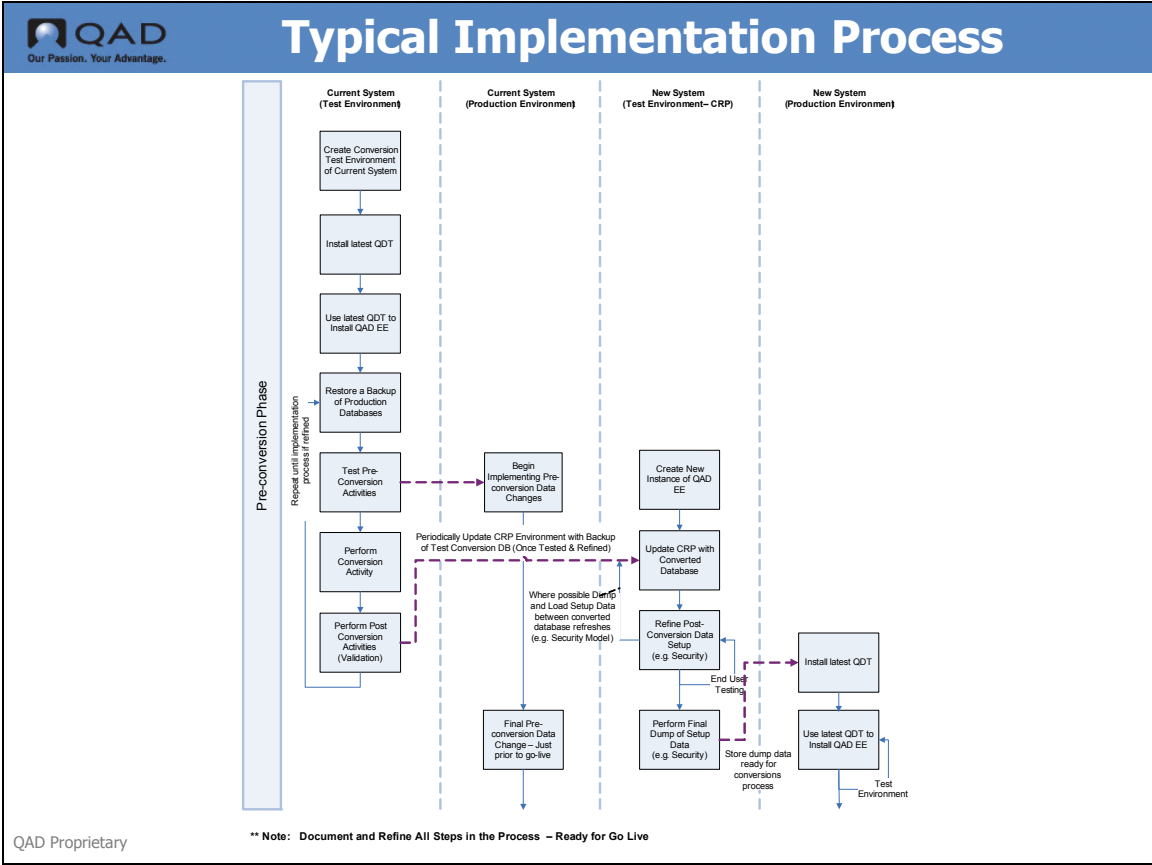
Typical Implementation Process

Note:

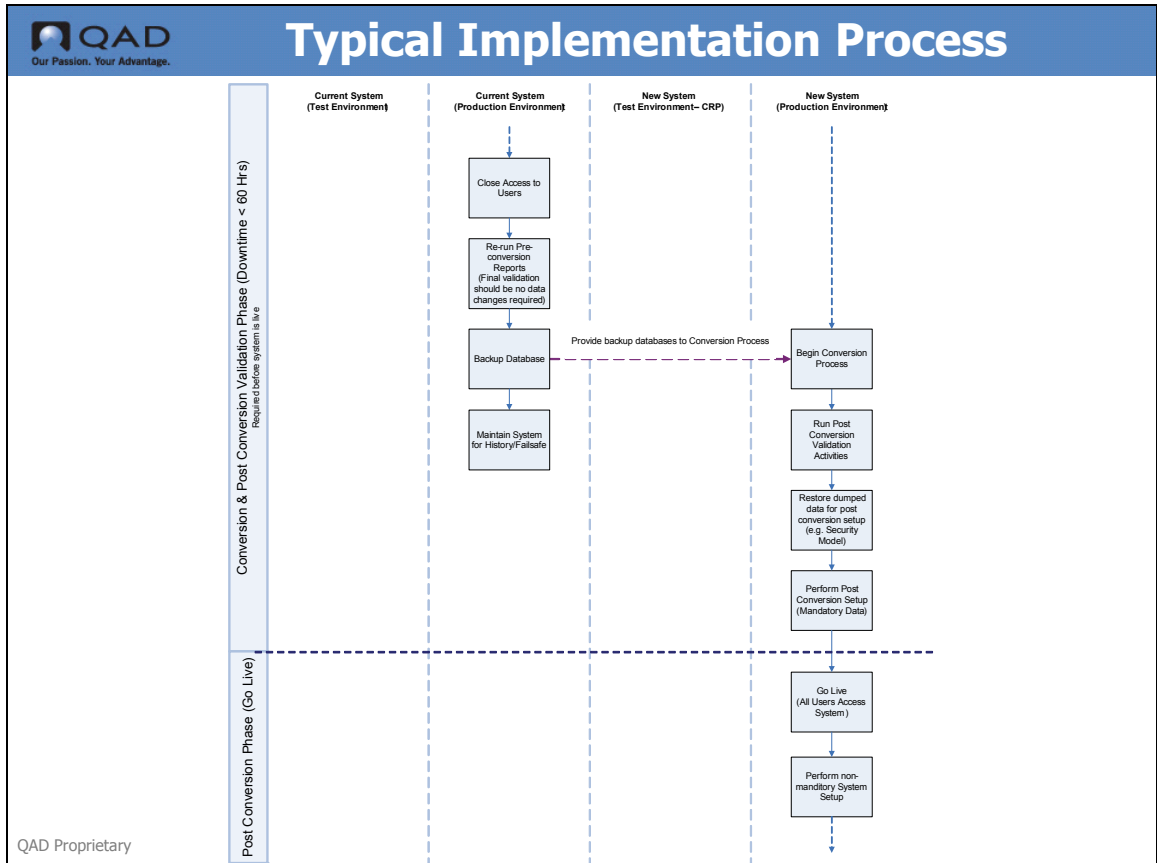
- ▲ More complex than previous conversions
 - Due to new QAD EE Financials
 - Requires Services engagement
- ▲ Requires input from the following area's
 - Non-technical business analysts / finance managers
 - Technical engineers
 - Project managers

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Typical Implementation Process 1



Typical Implementation Process 2



Typical Implementation Process 3



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Customer Conversion Execution Benchmark Performance (from eB2)

- ▲ Original DB size was 30GB approx.
 - Reduced to 20GB approx. after Archive/Delete
- ▲ 22 hours approx. (see below)
- ▲ After conversion process DB size was 30GB
 - Growth of 1/3

Step	Time	Comments
Compile	3 minutes	8 threads
Buffer Copy	7 hours and 1 minute	
Index rebuild	1 hour 39 minutes	
Operational Conversion	24 minutes	
Fin static data conv	44 minutes	
Fin trans data conv		
Invoice History Conv	1 minute	485,317 records (6,933.10 records per min)
GL Posting	6 hours 8 minutes	22,364,266 records (1012.14 records per min)
AR Invoices	1 hour 21 minutes	456,061 records (93.36 records per min)
AP Invoices	1 hour 27 minutes	352,965 records (67.53 records per min)
AR Payment	1 hour 38 minutes	367,476 records (62.22 records per min)
AP Payment	45 minutes	363,647 records (132.72 records per min)

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Conversion Benchmarks



Benchmark Hardware/Software

- ▲ Dell PowerEdge 2950
 - 2 x Intel® Xeon® CPU E5440 2.83GHz Front Side Bus 1333
- ▲ Memory
 - 16GB DDR2 667 MHz RAM
- ▲ Network adapter
 - Gigabit Ethernet NIC
- ▲ Hard drive
 - 8 x 73GB SAS 15K Disks
 - RAID 0 (striped)
- ▲ Red Hat Linux Enterprise Server release 5.1 (Tikanga)
 - Kernel 2.6.18-8.e15 (64 bit)
- ▲ Progress OE10.1C01 (32-bit)

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Benchmark Hardware/Software



Summary of Conversion

- ▲ Pre-conversion reports & data changes
- ▲ Conversion execution process
- ▲ Post-conversion validation
- ▲ Post-conversion setup
 - Mandatory setup
 - Non-mandatory setup

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Summary of Conversion

CHAPTER 2

Pre-Conversion

Overview

This presentation describes the Enterprise Edition pre-conversion process.



Pre-conversion Process Overview



Pre-conversion process overview

- ▲ Objectives of pre-conversion activities:
 - To prepare the source database so that it can be converted by correcting the following types of issues:
 - Data that is missing from the old Financials but required in QAD EE Financials
 - Data that exists in the old Financials but is not allowed in the same state in QAD EE Financials.
 - Data that is invalid in both the old and new Financials

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Pre-Conversion Process Overview 2



Overview of Pre-Conversion Steps

1. Prerequisites
2. Data preparation
3. Conversion preparation
4. Standard period closing reports

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Overview of Pre-Conversion Steps



1 Prerequisites

Step Seq	Step Name	File Name	MFG/PRO Release
Prerequisites			
1.1	Table Extension Domain Fixes (2) - Part 1 of 2	utqtabs.p & utqtpls.p	eB2.1
1.2	Data Reduction	various	
1.3	GTM Conversion	various	8.6e, 9.0

2 Data Preparation

Step Seq	Step Name	File Name	MFG/PRO Release
Data Preparation			
2.1	Employee Entity Utility	uxempent.p	All
2.2	End User Contact Utility	uxendup.p	All
2.3	Control Account Utility	uxctrl.p	All
2.4	GL Account / Project Utility	uxplproj.p	8.6e and 9.0
2.5	Orphaned Address Utility	uxaddrfix.p	All
2.6	Credit Terms Utility	uxcrterms.p	All
2.7	Data Preparation Report	gpdatarp.p	All
2.8	Fix Errors reported in Data Prep Report	N/A	All
2.8a	Country Code Utility	uxctryup.p	All
2.8b	Tax ID Utility	uxtaxid.p	All
2.9	Search & Replace		eB2.1
2.9a	Duplicate Code Report	utsarrp1.p	
2.9b	Code Usage Report	utsarrp2.p	
2.9c	Replace Code	utsarrp3.p	
2.10	GL Account Type Utility (Update = No)	uxglacup.p	All
2.11	Repeat steps 2.6 through 2.8b until all errors fixed		All

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Prerequisites and Data Preparation

3 Conversion Preparation

Step Seq	Step Name	File Name	MFG/PRO Release
	Conversion Preparation		
3.1	Conversion Parameter Utility	utfinpar.p	All
3.2	Process pending transactions.	various	All
3.3	Close-off the Production database to new data/transactions.		All
3.4	Run GL Account Type Utility (Update = Yes)	uxglacup.p	All
3.5	Rerun Data Preparation Report	gpdatarp.p	All
3.6	Pre-conversion Integrity Report	gpincrkp.p	All
3.6a	GL Transaction Integrity		All
3.6b	AR Transaction Integrity		All
3.6c	AP Transaction Integrity		All
3.8	Finalize Data Preparation Report		All

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Conversion Preparation



4 Run Standard Reports

Step Seq	Step Name	File Name	MFG/PRO Release
	Run Standard Closing Reports		
4.1	Trial Balance	25.15.4 - gltbrp.p or 25.15.5 - gltdbrp.p	All
4.2	Balance Sheet	25.15.8 - glbsrp.p	All
4.3	Income Statement	25.15.13 - glinrp.p	All
4.4	AR Aging As of Effective Date	27.18 - arcsr05.p	All
4.5	AP Aging As of Effective Date	28.17.6 - apvorp04.p	All
4.6	AR Tax by Tax Rate	2.13.15.14 - txarpp01.p	All
4.7	AP Tax by Tax Rate	2.13.15.17 - txaprp01.p	All
4.8	AR Balance Report	27.20 - arcsr.p	All
4.9	Inventory Valuation Report	3.6.13 - ppptrp03.p	All
4.10	Unvouchered receipts report	5.13.10 - poporp11.p	All
4.11	Purchase receipt Report	5.13.5 - poporp06.p	All
4.12	Asset Owned Report	32.5.11 - faaorp.p	All
4.13	Sales Order Report	7.15.1.2.3 - sosorp.p, sosorp01.p, sosorp02.p	All

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Run Standard Reports



Pre-conversion Activities

- ▲ All pre-conversion reports and utilities run in a character environment only.
- ▲ All text is in English; no translations available.
- ▲ Programs do not appear on any menus. They are invoked by typing the program name at any Enterprise Edition menu command line.
- ▲ Programs do not support CIM.
- ▲ Programs cannot be run in batch mode.
- ▲ The source code is version agnostic. Supports
 - MFG/PRO versions 8.6E through QAD 2007
 - Progress versions 8.3e through OpenEdge 10.1c01

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Pre-Conversion Activities 1



Pre-conversion Activities

- ▲ Table Extension Domain Update Utility *(QAD 2007 only)*
- ▲ GL Transaction Consolidation *(optional)*
- ▲ Archive/Delete transaction data *(optional)*
- ▲ Global Tax Management Conversion *(if pre-eB)*
- ▲ Employee Entity Utility
- ▲ End User Contact Utility
- ▲ Control Account Utility
- ▲ GL Account/Project Utility *(if pre-eB)*
- ▲ Orphaned Address Utility
- ▲ Credit Terms Utility

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Pre-Conversion Activities 2



Pre-conversion Activities (*cont'd*)

- ▲ Data Preparation Report
- ▲ Conversion Parameters Utility
- ▲ Search & Replace Report/Utility (*QAD 2007 only*)
- ▲ GL Account Type Utility (*Report mode*)
- ▲ Process pending transactions
- ▲ Close database to users
- ▲ Rerun GL Account Type Utility (*Update mode*)
- ▲ Rerun Data Preparation Report
- ▲ Run Pre-conversion Integrity Report
- ▲ Run standard period closing reports

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Pre-Conversion Activities 3



Pre-conversion Activities

▲ **Table Extension Domain Utilities** *(QAD 2007 only)*

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Pre-Conversion Activities 4



Table Extension Domain Utilities

- ▲ Only required for customers upgrading from QAD 2007.
- ▲ Selected table extension (qtbl_ext) records need to be updated with domain information before running the conversion.
 - utqtabs.p – Covers supplier lots on shippers
 - utqtplsd.p – Covers Expense Due account in Sales Account Maintenance (1.2.17 – ppplsmt.p)

Utilities must be run even if these features are not being used.

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Table Extension Domain Utilities



Table Extension Domain Utilities

- ▲ Provides simulation mode for update preview.
- ▲ Must be run for each domain.
- ▲ Can only be run once per domain in update mode.
- ▲ Impact on future transaction processing is limited to the extent these features are used, and then ensures data from the correct domain is used.

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Table Extension Domain Utilities 2



Pre-conversion Activities

- ▲ Table Extension Domain Utility (*QAD 2007 only*)
- ▲ **GL Transaction Consolidation (*optional*)**

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GL Transaction Consolidation



Pre-conversion Activities

▲ GL Transaction Consolidation

- Be careful with this! Do it by period, not account, and preferably by month as opposed to by year. If done by year, any given account will have an opening balance but zero period amt for any period other than the period for the consolidation effective date.

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GL Transaction Consolidation 2



Pre-conversion Activities

- ▲ Table Extension Domain Utility (*QAD 2007 only*)
- ▲ GL Transaction Consolidation (*optional*)
- ▲ **Archive/Delete transaction data (*optional*)**

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Archive/Delete Transaction Data



Pre-conversion Activities

- ▲ Table Extension Domain Utility (*QAD 2007 only*)
- ▲ GL Transaction Consolidation (*optional*)
- ▲ Archive/Delete transaction data (*optional*)
- ▲ **Global Tax Management Conversion** (*if pre-eB*)

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Global Tax Management Conversion



Pre-conversion Activities

- ▲ Table Extension Domain Utility (*QAD 2007 only*)
- ▲ GL Transaction Consolidation (*optional*)
- ▲ Archive/Delete transaction data (*optional*)
- ▲ Global Tax Management Conversion (*if pre-eB*)
- ▲ **Employee Entity Utility (uxempent.p)**

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Employee Entity Utility



Employee Entity Utility

- ▲ QAD EE requires every employee (emp_mstr) have an entity code.
- ▲ This utility reports and updates employees with a user-specified entity code.
 - Shows employees missing an entity code and employees already assigned an entity code.
- ▲ The utility can be run for a range of employees when multiple entity codes need to be assigned.
- ▲ The utility provides a simulation mode that previews the effect of the update.
- ▲ For QAD 2007, it must be run for each active domain.
- ▲ This utility has no impact on future transactions; it updates an unused QAD reserved field in emp_mstr.

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Employee Entity Utility 2



Employee Entity Utility

- ▲ Type uxempent.p at any MFG/PRO menu command line.
- ▲ Report name is
uxempent-*<dbname>*-*<domain>*-*<date>*_ *<time>*.prn

DOM1 USD DB NY [USD]
Page 1

Employee Entity Utility

DOM1 USD DB NY

***** S I M U L A T I O N *****

Connected databases:

Database name: qadddb; DB Version: 10; Connection parameters: -db /dr01/data/rxm/92b/db/ConvQA&,-
Database name: qadadm; DB Version: 10; Connection parameters: -db /dr01/data/rxm/92b/db/qadadm&
Database name: qadhelp; DB Version: 9; Connection parameters: -db /qad/mfgpro/92bdb/devhelp/de

Domain: "Domain1"

Employee	First Name	Last Name	Entity	Entity Name
2550			1000	Test Company Primary
7000	Wright	Ed	1000	Test Company Primary
8000	Jones	Earl	1000	Test Company Primary
8001	Wood	Susan	1000	Test Company Primary
8002	Evans	Michael	1000	Test Company Primary
8003	Round	Robert	1000	Test Company Primary
8004	Lake	Ed	1000	Test Company Primary
8005	Bliqny	Pierre	1000	Test Company Primary

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Employment Entity Utility 3



Pre-conversion Activities

- ▲ Table Extension Domain Utility (*QAD 2007 only*)
- ▲ GL Transaction Consolidation (*optional*)
- ▲ Archive/Delete transaction data (*optional*)
- ▲ Global Tax Management Conversion (*if pre-eB*)
- ▲ Employee Entity Utility (uxempent.p)
- ▲ **End User Contact Utility (uxendupd.p)**

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End User Contract Utility



End User Contact Utility

- ▲ QAD EE requires every end user (eu_addr) have one and only one primary contact with a unique contact name.
- ▲ This utility reports and updates end users missing a contact name or primary contact when possible.
 - Some errors must be manually corrected through End User Maintenance (11.9.1 – adeumt.p)
- ▲ The utility lists end users with duplicate contact names, multiple primary contacts or end users missing contacts.
- ▲ The utility provides a simulation mode that previews the effect of the update.
- ▲ For QAD 2007, one execution processes all active domains.
- ▲ This utility may impact future processing to the extent that contact names and primary contact designations may be different than previous transactions.

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End User Contract Utility 2



End User Contact Utility

- ▲ Type uxendupd.p at any menu command line.
- ▲ Report name is
uxendupd-<dbname>-<date>_<time>.prn

DOM1 USD DB NY [USD]
Page 1

End User Contact Utility
***** S I M U L A T I O N *****

Date:
Time:

Connected databases:
Database name: qaddb; DB Version: 10; Connection parameters: -db /dr01/data/rxm/92b/db/ConvQA,-trig triggers,-H col14
Database name: qadadm; DB Version: 10; Connection parameters: -db /dr01/data/rxm/92b/db/qadmdb,-trig triggers,-H col
Database name: qadhelp; DB Version: 9; Connection parameters: -db /qad/mfgpro/92bdb/devhelp/devhelp92b,-trig triggers

DOM1 USD DB NY [USD]
Page 2

End User Contact Utility
***** S I M U L A T I O N *****

Date:
Time:

Domain: Domain1

Customer	Customer Name	End User Contact Name	Type	Message
SSM1001	SSH CUSTOMER 1	Endsm101 Mike		Contact name assigned
SSM1001	SSH CUSTOMER 1	Endsm101 Mike		ERROR: Primary Contact missing
SSM1001	SSH CUSTOMER 1	Endsm102 End User	P	ERROR: Duplicate contact name
SSM1001	SSH CUSTOMER 1	Endsm102 End User		ERROR: Duplicate contact name
SSM1001	SSH CUSTOMER 1	Endsm102 End User	P	ERROR: Multiple Primary Contacts
SSM1001	SSH CUSTOMER 1	Endsm102 End User2	P	ERROR: Multiple Primary Contacts

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End User Contract Utility 3



Pre-conversion Activities

- ▲ Table Extension Domain Utility (*QAD 2007 only*)
- ▲ GL Transaction Consolidation (*optional*)
- ▲ Archive/Delete transaction data (*optional*)
- ▲ Global Tax Management Conversion (*if pre-eB*)
- ▲ Employee Entity Utility (uxempent.p)
- ▲ End User Contact Utility (uxendupd.p)
- ▲ **Control Account Utility (uxctrl.p)**

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Control Account Utility



Control Account Utility

- ▲ Conversion routines need to know which accounts are currently used as Accounts Receivable and Accounts Payable 'control' accounts.
- ▲ The conversion will not attempt to determine this information programmatically because accounts not referenced on customers, suppliers or transactions could be overlooked.
- ▲ The user is prompted to input lists of account codes currently used as these control accounts.
- ▲ Output from the utility is used by GL Account Type Utility, Data Preparation Report and during the conversion.
- ▲ For QAD 2007, it must be run for each active domain.
- ▲ This utility has no impact on future processing. It only creates qad_wkfl records.

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Control Account Utility 2



Control Account Utility

- ▲ Type uxctrl.p at any menu command line.
- ▲ Report name is
`uxctrl-<dbname>-<domain>-<date>_<time>.prn`

DOM1 USD DB NY [USD] .0 M
 Page: 1

Control Account Utility
 DOM1 USD DB NY

Connected databases:

Database name: qadddb; DB Version: 10; Connection parameters: -db /dr01/
 Database name: qadadm; DB Version: 10; Connection parameters: -db /dr01/
 Database name: qadhelp; DB Version: 9; Connection parameters: -db /qad/

Domain: Domain1

Type	Account	Description
-----	-----	-----
AP	2100	Accounts Payable
AR	1200	Accounts Receivable

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Control Account Utility 3



Pre-conversion Activities

- ▲ Table Extension Domain Utility (*QAD 2007 only*)
- ▲ GL Transaction Consolidation (*optional*)
- ▲ Archive/Delete transaction data (*optional*)
- ▲ Global Tax Management Conversion (*if pre-eB*)
- ▲ Employee Entity Utility (uxempent.p)
- ▲ End User Contact Utility (uxendupd.p)
- ▲ Control Account Utility (uxctrl.p)
- ▲ **GL Account/Project Utility (uxglproj.p, if pre-eB)**

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GL Account/Project Utility



GL Account/Project Utility

- ▲ Prior to eB, project codes were not one of the elements in the GL posting account structure. Therefore, project codes were not defined for ranges of account codes.
- ▲ Conversion routines need to know which accounts will use project codes as part of the GL posting account structure in QAD EE. Users on versions before eB need to manually provide this information using the pre-conversion GL Account/Project Utility.
- ▲ The user is prompted to input ranges of account codes that will use project codes in QAD EE.
- ▲ This utility has no impact on future processing. It only creates qad_wkfl records.

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GL Account/Project Utility 2



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GL Account/Project Utility

- ▲ Type uxglproj.p at any MFG/PRO menu command line.
- ▲ Report name is
uxglproj-<dbname>-<date>_<time>.prn

mfmnu
Page1

GL Account/Project Utility

Source Code Version(s): 1.1 (uxglproj.i)

Connected Databases:
Database name: play90sp7; DB Version: 8; Connection parameters: -db /databas
Database name: qadhelp; DB Version: 8; Connection parameters: -db /databases
Database name: qadgui; DB Version: 8; Connection parameters: -db /databases/
Database name: qadcf; DB Version: 8; Connection parameters: -db /databases/8

Account	Account
1040	5300

QAD Proprietary

GL Account/Project Utility 3



Pre-conversion Activities

- ▲ Table Extension Domain Utility (*QAD 2007 only*)
- ▲ GL Transaction Consolidation (*optional*)
- ▲ Archive/Delete transaction data (*optional*)
- ▲ Global Tax Management Conversion (*if pre-eB*)
- ▲ Employee Entity Utility (uxempent.p)
- ▲ End User Contact Utility (uxendupd.p)
- ▲ Control Account Utility (uxctrl.p)
- ▲ GL Account/Project Utility (uxglproj.p, *if pre-eB*)
- ▲ **Orphaned Address Utility (uxaddrfix.p)**

QAD Proprietary

Orphaned Address Utility



Orphaned Address Utility

- ▲ All customer, supplier, end user and remit-to addresses must have a related List Type Master (ls_mstr) to be converted.
- ▲ This utility reports and creates missing List Type Masters (ls_mstr) under the following scenarios:
 - Customer exists (with cm_mstr and ad_mstr) but no List Type Master record for 'customer'.
 - Supplier exists (with vd_mstr and ad_mstr) but no List Type Master record for 'supplier'.
 - An end user exists (with eu_mstr and ad_mstr) but no List Type Master record for 'enduser'.
 - A Supplier exists and has a reference to a remit-to address (vd_remit <> "") which has valid address but no List Type Master record for 'remit-to'.

QAD Proprietary

Orphaned Address Utility 2



Orphaned Address Utility

- ▲ The utility provides a simulation mode that previews the effect of the update.
- ▲ For QAD 2007, one execution processes all active domains.
- ▲ This utility may impact the system to the extent that addresses that were previously unusable will now be usable.

QAD Proprietary

Orphaned Address Utility 3



Orphaned Address Utility

▲ Report output filename is
uxaddrfix-*<dbname>*-*<date>*_ *<time>*.prn

DOM1 USD DB NY [USD]
Page1

Orphaned Address Utility
*****SIMULATION

Connected databases:

Database name: qadddb; DB Version: 10; Connection parameters: -db /dr0

Database name: qadadm; DB Version: 10; Connection parameters: -db /dr1

Database name: qadhelp; DB Version: 9; Connection parameters: -db /qa

Domain: Domain1

Address	Type	Name
5001	remit-to	Acme Parent Co.

QAD Proprietary

Orphaned Address Utility 4



Pre-conversion Activities

- ▲ Table Extension Domain Utility (*QAD 2007 only*)
- ▲ GL Transaction Consolidation (*optional*)
- ▲ Archive/Delete transaction data (*optional*)
- ▲ Global Tax Management Conversion (*if pre-eB*)
- ▲ Employee Entity Utility (uxempent.p)
- ▲ End User Contact Utility (uxendupd.p)
- ▲ Control Account Utility (uxctrl.p)
- ▲ GL Account/Project Utility (uxglproj.p, *if pre-eB*)
- ▲ Orphaned Address Utility (uxaddrfix.p)
- ▲ **Credit Terms Utility (uxcrterms.p)**

QAD Proprietary

Credit Terms Utility



Credit Terms Utility

- ▲ This utility reports and updates credit terms on customers and suppliers. It lists customers or suppliers with invalid credit terms.
- ▲ All customers and suppliers must have a valid non-blank credit terms code before upgrading to QAD EE.
 - A blank credit terms code is no longer permissible and will be deleted by the conversion.

To simulate the scenario where a customer or supplier has no credit terms, a new credit terms code must be created in Credit Terms Maintenance (2.19.1 – adcrmt.p) with 0 days and 0% discount.

- Any credit term assigned to customers or suppliers must exist in Credit Terms Master (ct_mstr).

QAD Proprietary

Credit Terms Utility 2



Credit Terms Utility

- ▲ The utility must be run separately for customers and suppliers.
- ▲ Customer and supplier credit terms are updated with a user-specified code.
- ▲ The utility provides a simulation mode that previews the effect of the update.
- ▲ For QAD 2007, it must be run for each active domain.
- ▲ This utility will alter future transactions involving the Customers or Suppliers updated with new Credit Terms.

QAD Proprietary

Credit Terms Utility 3



Credit Terms Utility

▲ Report output filename is

uxcrterms-cust-<dbname>-<domain>-<date>_<time>.prn
or uxcrterms-supp-<dbname>-<domain>-<date>_<time>.prn

DOM1 USD DB NY [USD]

Credit Terms Update Utility

Page 1

DOM1 USD DB NY

*****SIMULATION*****

Connected databases:
Database name: qaddb; DB Version: 10; Connection parameters: -db /dr01/data/1
Database name: qadadm; DB Version: 10; Connection parameters: -db /dr01/data,
Database name: qadhelp; DB Version: 9; Connection parameters: -db /qad/mfgprc

Domain: Domain1

Supplier	Name	Old Credit Term	New Credit Term
10074-SU	Consignment III Primary	90	60
3010	Page Inc.	90	60
5010	Wholesale Supply Co.	90	60
Atsup	Audit Trail Supplier	90	60
EMTS02	EMT Wholesale Co.	90	60
EMTS03	EMT Trade Co.	90	60
SFSUPP1	SF SUPPLIER1	90	60
Sub#1	Sub-Contractor #1	90	60

QAD Proprietary

Credit Terms Utility 4



Pre-conversion Activities

▲ Data Preparation Report (gpdatarp.p)

QAD Proprietary

Data Preparation Report



Data Preparation Report

- ▲ This report highlights any data issues that must be 'cleaned' up prior to starting conversion.
 - Data that's missing in old financials but required in new financials.
 - Data that exists in old financials, but is not allowed in the same state in new financials.
 - Data that's invalid in both old and new financials.
- ▲ This report is the gatekeeper for the conversion. The conversion cannot be run until this report has zero errors.
- ▲ It is very likely this report will need to be run multiple times before all the errors have been resolved.
- ▲ For QAD 2007, one execution processes all active domains.
- ▲ Running this report has no impact on future processing.

QAD Proprietary

Data Preparation Report 2



Data Preparation Report

- ▲ Type gpdatarp.p at any MFG/PRO menu command line.
- ▲ Report output filename is
dataprep0#-<dbname>-<date>_<time>.prn
and may have multiple segments.

```

gpdatarp                               Data Preparation Report
Page      1

Connected databases:
  Database name: qadddb; DB Version: 10; Connection parameters: -db /dr01/data/rxm/92k
  Database name: qadadm; DB Version: 10; Connection parameters: -db /dr01/data/rxm/92k
  Database name: qadhelp; DB Version: 9; Connection parameters: -db /qad/mfgpro/92bdt

Total number of errors detected: 677

Source Domain: "Domain1"

Start of detailed error report for Domain: "Domain1"

Number of errors detected for Domain "Domain1": 188

Error Count Detail:
  Validation: companyAddressExist; Field: si_site;      Error Count: 37
  Validation: mandatory;          Field: acdf_acct;     Error Count: 10
  Validation: mandatory;          Field: ad_state;     Error Count: 5
  Validation: mandatory;          Field: bk_bk_acct1;  Error Count: 3
  Validation: unlinkedAddress;    Field: ad_addr;    Error Count: 1
  7 Country Code errors detected. Please run Country Code Update Utility to fix them.
  51 Credit Terms errors detected. Please run Credit Terms Update Utility to fix them.
  31 Employee errors detected. Please run Employee Entity Utility to fix them.
  6 End User errors detected. Please run End User Contact Utility to fix them.
  37 Tax ID errors detected. Please run Tax ID Update Utility to fix them.

Fix the following with apbkmt.p - Bank Maintenance - 26.13
  Key Info: Bank = B2
  Field Name: bk_bk_acct1 - Bank Acct 1
  Context:    bk_bk_acct1 must have a value. Blank or ? value is not allowed
  
```

QAD Proprietary

Data Preparation Report 3



Data Preparation Report

- ▲ New utilities are provided to assist with correcting some data errors.
 - Country Code Utility – uxctryup.p
 - Tax ID Utility – uxtaxid.p
- ▲ These utilities are optional and only used if indicated by the Data Preparation Report. However it is necessary to run the reports to see a detail listing of the errors when noted.
- ▲ Country codes and tax IDs can be corrected individually without using the utilities, if desired.

QAD Proprietary

Data Preparation Report 4



Country Code Utility

- ▲ QAD EE requires all addresses and employees have a non-blank, valid country code.
- ▲ This utility reports and updates the country code on addresses and employees (in same execution) having a blank or invalid country codes with a user-specified country code.
- ▲ The report lists addresses and employees that have been updated as well as ones with invalid country codes.

QAD Proprietary

Country Code Utility



Country Code Utility

- ▲ The user may specify a range of addresses (which also covers employees) when multiple country codes need to be assigned.
- ▲ The utility provides a simulation mode that previews the effect of the update.
- ▲ For QAD 2007, it must be run for each active domain.
- ▲ This utility will potentially alter future transactions involving tax calculations due to the changed country code on customer, supplier addresses updated with new country codes.

QAD Proprietary

Country Code Utility 2



Country Code Utility

- ▲ Report output filename is
 uxctryup-<dbname>-<domain>-<date>_<time>.prn

```

DOM1 USD DB NY [USD]                                Country Code Update Utility
Page      1                                           * * * * * S I M U L A T I O N * * *

Connected databases:
  Database name: qaddb; DB Version: 10; Connection parameters: -db /dr01/data/
  Database name: qadadm; DB Version: 10; Connection parameters: -db /dr01/data
  Database name: qadhelp; DB Version: 9; Connection parameters: -db /qad/mfgpr

Domain: Domain1

  Number of errors detected for Address: 7
  Number of errors detected for Employee: 5

Address      Name      Old Country Code  New Country Code
-----
1            ATP Cust 1      EL                cn
4020         SSC Inc.        EL                cn
4021         BCA Company    EL                cn
CN           Canadian Bank   EL                cn
PCB          Pierre Bligny    EL                cn
TRI-CS       Canadian Tri Customer EL                cn
TRI-SS       Canadian Tri Supplier EL                cn

Employee     First Name    Last Name    Old Country Code  New Country Code
-----
2550                                     cn
7000         Ed            Wright       EL                cn
8000         Earl          Jones        EL                cn
8001         Susan         Wood         OZ                cn
PCB          Pierre        Bligny       EL                cn
  
```

QAD Proprietary

Country Code Utility 3



Tax ID Utility

- ▲ QAD EE requires all suppliers for 1099 reporting (vd_1099 = true) have unique non-blank Federal tax IDs (ad_gst_id).

Additionally, if Validate VAT Registration in Global Tax Management Control (2.13.24 – txtxcmt.p) is true then VAT registration IDs for customers and suppliers in EU countries must conform to the ISO format for their country.

- ▲ This utility reports duplicate or missing Federal tax IDs and lists VAT registration IDs that do not comply with the ISO format, when applicable.

QAD Proprietary

Tax ID Utility



Tax ID Utility

- ▲ If not using 1099 reporting, set this field to No in the utility and it will assign `vd_1099 = false` for all suppliers to reduce the number of Federal tax ID errors.
- ▲ If 1099 reporting is required, these errors will need to be manually corrected through Supplier Maintenance (2.3.1 – `advnmt.p`).
- ▲ The utility provides a simulation mode that previews the effect of the update.
- ▲ For QAD 2007, it must be run for each active domain.
- ▲ The utility will impact only 1099 reporting for US-based users, and only when producing year-end 1099 forms.

QAD Proprietary

Tax ID Utility 2



Tax ID Utility

▲ Report output filename is
uhtaxid-<dbname>-<domain>-<date>_<time>.prn

uhtaxid
Page 1

Tax ID Utility
*****SIMULATION*****

Date: 05/21/08
Time: 13:21:05

Connected databases:

Database name: qadddb; DB Version: 10; Connection parameters: -db /qad/mfgpro/92bdb/pubdb/test92b,-trig triggers,-H coli40,-S test9

Database name: qadhelp; DB Version: 9; Connection parameters: -db /dr01/92bdb/devhelp/devhelp92b,-trig triggers,-H coli40,-S devhe

Database name: qadadm; DB Version: 10; Connection parameters: -db /qad/mfgpro/92bdb/pubdb/adm92b,-trig triggers,-H coli40,-S adm92

Federal Tax ID Errors: 4
Duplicates: 2
Blank or ?: 2

Address	Name	List	1099s Tax ID - Federal
00000001	Universal Industries	customer,supplier	97-55891252
00050000	American Steel	supplier	03-11458767
001	PEI Industries	company,customer,supplier	00000000000
10000000	Quality Products	company	
2100cust	ABC Rentals, Inc.	customer	
2100end	Allen Howard	enduser	00000000000

QAD Proprietary

Tax ID Utility 3



Pre-conversion Activities

- ▲ Data Preparation Report (gpdatarp.p)
- ▲ **Conversion Parameters Utility (utfinpar.p)**

QAD Proprietary

Conversion Parameters Utility



Conversion Parameters Utility

- ▲ This utility prompts the user to provide answers for the parameters used by the QAD EE conversion when creating new Financial objects.

These are mostly daybook codes, but also includes a few account codes and other items.

- ▲ Because there are so many new parameters, prompting for them through a utility rather than at the time the conversion is launched provides more time to plan the answers.

QAD Proprietary

Conversion Parameters Utility 2



Conversion Parameters Utility

- ▲ The utility can be exited without providing all answers, but must be completed prior to running the conversion.
- ▲ The utility can be rerun as often as desired, deleting or changing answers.
- ▲ For QAD 2007, the utility must be run for each active domain, even if electing to use the same answers for multiple domains.
- ▲ This utility does not impact future processing. It only creates qad_wkfl records.
- ▲ Report output filename is
utfinpar-<dbname>--<domain>--<date>_<time>.prn

QAD Proprietary

Conversion Parameters Utility 3



Our Passion. Your Advantage.

Conversion Parameters Utility

Update Conversion Parameters

Type	Parameter	Data Exists?
Domain	Default AR Finance Charges Daybook	yes
Domain	Default AR Credit Note Daybook for Operational Invoices	yes
Domain	Default AR Credit Note Daybook for Financial Invoices	yes
Domain	Default AR Invoice Daybook for Operational Invoices	yes
Domain	Default AR Invoice Daybook for Financial Invoices	yes
Domain	Default AR Payment Daybook	yes
Domain	Default Customer Adjustment Daybook	yes
Domain	Default AP Credit Note Daybook for Financial Invoices	yes
Domain	Default AP Invoice Daybook for Financial Invoices	yes
Domain	Default AP Payment Daybook	yes
Domain	Default Intercompany Daybook	yes
Domain	Default Matching Entry Daybook	yes
Domain	Default Banking Entry Daybook	yes
Domain	Default Inventory	
Domain	Default Work Order	

Update Conversion Parameters

Type	Parameter	Data Exists?
Domain	Account for Results of Current Year	yes
Domain	Account for Current Year Income Offset	yes
Domain	Account for Results of Previous Years	yes
Domain	Account for AR Payments In Process	yes
Domain	Default Account for Unmatched Invoices	yes
Domain	Default Sub-Account	yes
Domain	Default Cost Center	yes
Domain	Default Project	yes
Domain	Default Credit Term	yes
Domain	Convert Unused Cashbooks?	yes
Domain	Create Entity Tax Periods?	yes
System	Management Currency	yes
System	Convert only open invoices?	yes
System	Country for default Tax Box	yes
System	Convert existing security setup?	yes

QAD Proprietary

Conversion Parameters Utility 4





Pre-conversion Activities

- ▲ Data Preparation Report (gpdatarp.p)
- ▲ Conversion Parameters Utility (utfinpar.p)
- ▲ **Search & Replace Report/Utility** (*QAD 2007 only*)

QAD Proprietary

Search and Replace Report/Utility



Search & Replace Report/Utility

- ▲ This is a suite of reports/utilities to be run only by users upgrading from QAD 2007.
- ▲ Execution is optional, unless specifically indicated by the Data Preparation Report, but **strongly** recommended regardless.
- ▲ Requires that Table Extension Domain Update Utilities be run first.

QAD Proprietary

Search and Replace Report/Utility 2



Search & Replace Report/Utility

In QAD EE, addresses remain at the domain level but map to business relations, which are at the system level in the new Financials. Each business relation must have a unique code.

In QAD EE, entities remain at the domain level but map to companies (now called entities) in the new Financials. The entity code must be unique in the database going forward.

Prior to QAD EE, credit ratings were stored in the code master (code_mstr) table against field cm_cr_rating. Code master is a domain-level table in QAD 2007. In QAD EE, credit ratings are stored in a new Financials table and become system-level data.

QAD Proprietary

Search and Replace Report/Utility 3



Search & Replace Report/Utility

Prior to QAD EE, Customer and Supplier Types were stored in the code master (code_mstr) table against fields cm_type and vd_type. In QAD EE, customer and supplier types are stored in a new Financials table and become system-level data.

Prior to QAD EE, voucher types were stored in the code master (code_mstr) table against field vo_type. In QAD EE, voucher types are called purchase types and stored in a new Financials table as system-level data.

State and county codes are stored in the code master (code_mstr) table against fields ad_state and ad_county. In QAD EE, states and counties become system-level data, but remain in their original table.

QAD Proprietary

Search and Replace Report/Utility 4



Search & Replace Report/Utility

Prior to QAD EE, tax classes were stored in the code master (code_mstr) table against field taxc_taxc. In QAD EE, tax classes are stored in a new table (txcl_mstr) and become system-level data.

Prior to QAD EE, tax usages were stored in the code master (code_mstr) table against field tx2_tax_usage. In QAD EE, tax usages are stored in a new table (txu_mstr) and become system-level data.

Prior to QAD EE, tax types were stored in the code master (code_mstr) table against field txt_tax_type. In QAD EE, tax types are stored in a new table and become system-level data.

QAD Proprietary

Search and Replace Report/Utility 5



Search & Replace Report/Utility

Tax zones are currently stored in the tax zone master (txz_mstr) table. This is a domain-level table in QAD 2007. In QAD EE, the domain field has been removed and tax zones are system-level data.

Tax environments are stored in the tax environment master (txe_mstr) and tax environment detail (txed_det) tables. These are domain-level tables in QAD 2007. In QAD EE, the domain field has been removed and tax environments are system-level data.

QAD Proprietary

Search and Replace Report/Utility 6



Search & Replace Report/Utility

Credit terms are stored in the credit terms master (ct_mstr) and credit terms detail (ctd_det) tables. These are domain-level tables in QAD 2007. In QAD EE, credit terms are stored in the payment condition table in the new Financials. Payment conditions are system-level data. Payment conditions are maintained in Financials and automatically replicated to all domains in the operational area, which means each domain will contain the same credit terms records.

Rounding methods are stored in the rounding methods master (rnd_mstr) table. This is a domain-level table in QAD 2007. In QAD EE, the domain field has been removed and rounding methods are system-level data. Rounding methods are maintained in Financials and automatically replicated to the operational area.

QAD Proprietary

Search and Replace Report/Utility 7



Search & Replace Report/Utility

- ▲ Duplicate Code Report (36.28.1.1 – utsarrp1.p)
 - This report highlights codes (entities, credit ratings, credit terms, tax parameters, etc.) occurring in multiple domains that will be moving to the system level in QAD EE, where only one instance of each code will remain. This report allows the user to identify any differences in the codes across domains.
- ▲ Code Usage Report (36.28.1.2 – utsarrp2.p)
 - This report highlights the number of instances where a particular code is being used in the current domain, providing more insight into the use and analysis of the code.

QAD Proprietary

Search and Replace Report/Utility 8



Search & Replace Report/Utility

- ▲ Replace Code (36.28.1.3 – utsarrp3.p)
 - Use this utility to replace specified code values in the current domain with the new user-specified value.

This utility can have a broad impact on the system and future transactions, depending on the codes being replaced. Use it judiciously and only after backing up the database.

QAD Proprietary

Search and Replace Report/Utility 9



Pre-conversion Activities

- ▲ Data Preparation Report (gpdatarp.p)
- ▲ Conversion Parameters Utility (utfinpar.p)
- ▲ Search & Replace Report/Utility (*QAD 2007 only*)
- ▲ **GL Account Type Utility (uxglacup.p) – *Report mode***

QAD Proprietary

GL Account Type Utility



GL Account Type Utility

In QAD EE, each General Ledger (GL) account has an account type. This is a classification as to how the account is used. These types include control accounts, Intercompany accounts, bank and cash accounts, special accounts (classified as system accounts) dedicated to period closing and exchange rate fluctuations and income/expense accounts (classified as standard accounts).

Each account type has different restrictions on how/where they can be used in transactions. The purpose of the GL Account Type Utility is to identify GL accounts in static data (not transactions) that will not pass the requirements described above when moved to the new Financials.

QAD Proprietary

GL Account Type Utility 2



GL Account Type Utility

- ▲ The utility lists:
 - GL accounts that are used for more than one account type (or purpose).
 - Multiple accounts used for the same system type accounts (e.g., two accounts both used for exchange rate rounding) when only one account is allowed.
- ▲ The report can be produced in either detail or summary mode.
 - Detail mode lists every instance of an account that is in conflict, the menu function where the conflict occurs and some key values to aid in identifying the specific offender.
 - Summary mode lists only the first instance of an account in conflict and the menu function where it is defined. There may be additional instances other than the one shown.

QAD Proprietary

GL Account Type Utility 3



GL Account Type Utility

- ▲ The report-only mode should be used first as a planning tool to determine how the conflicts will be resolved. Once this has been done, the corrections can be done in several ways.
 - Use the utility in Update mode to make the corrections. (*Recommended approach*)
 - Correct the offending accounts directly in the maintenance program shown on the report.
 - Use a combination of the above two methods.
- ▲ The utility must be run at least once in Update mode (in each active domain for QAD 2007), regardless of how conflicts are resolved, to record that all conflicts have been successfully resolved.

The Data Preparation Report checks for this as well as verifying that all conflicts have been resolved. If not, errors are reported.

QAD Proprietary

GL Account Type Utility 3



GL Account Type Utility

- ▲ The utility can be rerun as many times as needed. If it was run earlier in Update mode, the previous answers will be displayed on the screen.
- ▲ Each time the utility is run, it will check for additional conflicts since the last execution. Hence the requirement to run the utility one final time in Update mode just prior to starting the conversion.
- ▲ There is no impact to future processing if all corrections are made using the utility in Update mode. Answers are stored in qad_wkfl records and used by the conversion to create new accounts (when applicable) and update the source field with the selected account.
- ▲ Any corrections made directly in the database will impact the defaulted account(s) in future transactions.

QAD Proprietary

GL Account Type Utility 4



GL Account Type Utility

- ▲ Type uxglacup.p at any MFG/PRO menu command line.
- ▲ Report output filename is
 uxglacup-dtl-<dbname>-<domain>-<date>_<time>.prn
 or uxglacup-sum-<dbname>-<domain>-<date>_<time>.prn

DOM1 USD DB NY [USD] .0 M
 Page: 1

GL Account Type Utility

DOM1 USD DB NY

***** S I M U L A T I O N *****

Connected databases:

Database name: qadddb; DB Version: 10; Connection parameters: -db /dr01/data/rxm/92b/db/ConvQA,-trig triggers,-H coli41,-
 Database name: qadadm; DB Version: 10; Connection parameters: -db /dr01/data/rxm/92b/db/qadmdb,-trig triggers,-H coli4:
 Database name: qadhelp; DB Version: 9; Connection parameters: -db /qad/mfgpro/92bdb/devhelp/devhelp92b,-trig triggers,-I

Conflicts By Account Code

* Indicates a restricted account type.

Old Acct Account Type	New Acct Key Values (or Field Name)	Menu Where Account Us
* 000CASH1 Bank Account		28.9.1 Bank Maintena
* 000CASH1 Tax Account (AP)		2.13.13.1 Tax Rate M
* 000CASH1 Tax Account (AR)		2.13.13.1 Tax Rate M
* 1040 Bank Account		28.9.1 Bank Maintena
1040 Standard Account		36.1 Domain/Account (
* 1040 Supplier Payment Account		28.9.1 Bank Maintena
* 1050 Unrealized Exchange Gain		26.7 Currency Account

QAD Proprietary

GL Account Type Utility 5



Pre-conversion Activities

- ▲ Data Preparation Report (gpdatarp.p)
- ▲ Conversion Parameters Utility (utfinpar.p)
- ▲ Search & Replace Report/Utility (*QAD 2007 only*)
- ▲ GL Account Type Utility (uxglacup.p) – *Report mode*
- ▲ **Process pending transactions**
- ▲ **Close database to users**

QAD Proprietary

Final Pre-Conversion Activities



Process Pending Transactions

- ▲ Print and post all pending invoices.
 - This two-step process has been combined into a single-step process in QAD EE.
- ▲ Confirm any unconfirmed vouchers.
- ▲ Post all unposted GL transactions.
- ▲ Close the production database to new data and transactions.
 - This can be accomplished through menu security while allowing access to users responsible for pre-conversions activities.

QAD Proprietary

Process Pending Transactions



Pre-conversion Activities

- ▲ Data Preparation Report (gpdatarp.p)
- ▲ Conversion Parameters Utility (utfinpar.p)
- ▲ Search & Replace Report/Utility (*QAD 2007 only*)
- ▲ GL Account Type Utility (uxglacup.p) – *Report mode*
- ▲ Process pending transactions
- ▲ Close database to users
- ▲ **Rerun GL Account Type Utility (*Update mode*)**

QAD Proprietary

Rerun GL Account Type Utility



Pre-conversion Activities

- ▲ Data Preparation Report (gpdatarp.p)
- ▲ Conversion Parameters Utility (utfinpar.p)
- ▲ Search & Replace Report/Utility (*QAD 2007 only*)
- ▲ GL Account Type Utility (uxglacup.p) – *Report mode*
- ▲ Process pending transactions
- ▲ Close database to users
- ▲ Rerun GL Account Type Utility (*Update mode*)
- ▲ **Rerun Data Preparation Report until zero errors.**

QAD Proprietary

Rerun Data Preparation Report



Pre-conversion Activities

- ▲ Data Preparation Report (gpdatarp.p)
- ▲ Conversion Parameters Utility (utfinpar.p)
- ▲ Search & Replace Report/Utility (*QAD 2007 only*)
- ▲ GL Account Type Utility (uxglacup.p) – *Report mode*
- ▲ Process pending transactions
- ▲ Close database to users
- ▲ Rerun GL Account Type Utility (*Update mode*)
- ▲ Rerun Data Preparation Report
- ▲ **Run Pre-conversion Integrity Report**

QAD Proprietary

Run Pre-Conversion Integrity Report



Pre-conversion Integrity Report

- ▲ This report assesses the status of financial transaction data prior to conversion. It reports AR, AP and GL transaction integrity information in a single report.

Inconsistencies will be highlighted which may optionally be corrected before conversion. If data corrections are made, this report should be rerun so that an accurate pre-conversion snapshot is captured.

- ▲ This report can be rerun multiple times as needed.
- ▲ For QAD 2007, one execution processes all active domains.

QAD Proprietary

Pre-Conversion Integrity Report



Pre-conversion Integrity Rept (*cont'd*)

Build Integrity Check Records: <u>Yes</u>
Report Integrity Check Records: <u>yes</u>
Output File Location: _____
Detail/Summary: <u>Detail</u>

- ▲ Building integrity check records will store data in the database for the current report execution, enabling the report to be reproduced at a later time with the same information.
- ▲ Report integrity check records displays the information collected during the Build step.
- ▲ If the current status of the database is required then set Build Integrity Reports to Yes.
- ▲ Report output filename is
 gpincrp-dtl-<dbname>-<date>_<time>.prn
 or gpincrp-sum-<dbname>-<date>_<time>.prn

QAD Proprietary

Pre-Conversion Integrity Report 2



AP Transaction Integrity

- ▲ Compares sum of open AP records by account to sum of corresponding GL amounts for each AP account, reporting any differences in local or transaction currency amounts.
- ▲ Reports the total amount of all non-AP transactions posted against an AP Control Account.
- ▲ Compares the balance of open AP vouchers by supplier to the supplier's open balance in Supplier Activity Inquiry, reporting any differences.
 - Optionally, run Adjust Supplier Balance Utility (36.25.4 – utvdbal.p) to adjust the supplier's balance.
- ▲ Reports any vouchers where the referenced supplier no longer exists.
- ▲ Reports any voucher that is missing detail line information.

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AP Transaction Integrity



AR Transaction Integrity

- ▲ Compares sum of open AR records by account to sum of corresponding GL amounts for each AR account, reporting any differences in local or transaction currency amounts.
- ▲ Compares the balance of open AR invoices and unapplied payments by customer to the customer's open balance in Customer Maintenance, reporting any differences.
 - Optionally, run Adjust Customer Balance Utility (36.25.5 – utcsbal.p) to adjust the customer's balance.
- ▲ Reports the total amount of all non-AR transactions posted against an AR Control Account.
- ▲ Reports any invoices where the referenced customer no longer exists.
- ▲ Reports any invoice that is missing detail line information.

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AR Transaction Integrity



GL Transaction Integrity

- ▲ Compares the total of posted GL transactions to the corresponding Account Balance table (acd_det).
 - Optionally, run Recalculate acd_det Totals (36.25.39 – utacdfix.p) to adjust account balance detail totals so they match GL.

Be aware that doing so in a database containing consolidated GL transactions will zero out the period totals for all periods other than the consolidation period.

- ▲ Reports any out-of-balance transactions. The conversion will have to balance them by creating offsetting entries.

If the database contains GL transactions that have been consolidated by select accounts, the report should be run in Summary mode, which verifies the transactions are in balance for the year, not by individual transaction.

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GL Transaction Integrity



GL Transaction Integrity

- ▲ The report additionally validates that:
 - the entity in each GL transaction exists.
 - the account for each GL transaction exists and is active.
 - all effective dates have a corresponding period in GL calendar.
- If any of these types of errors are reported, they must be manually fixed before conversion begins.

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GL Transaction Integrity 2



Pre-conversion Activities

- ▲ Data Preparation Report
- ▲ Conversion Parameters Utility
- ▲ Search & Replace Report/Utility (*QAD 2007 only*)
- ▲ GL Account Type Utility (*Report mode*)
- ▲ Process pending transactions
- ▲ Close database to users
- ▲ Rerun GL Account Type Utility (*Update mode*)
- ▲ Rerun Data Preparation Report
- ▲ Run Pre-conversion Integrity Reports
- ▲ **Run standard period closing reports**

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Run Standard Period Closing Reports



Standard Closing Reports

▲ Trial Balance	(25.15.4 – gltbrp.p or 25.15.5 – gldtbrp.p)
▲ Balance Sheet	(25.15.8 – glbsrp.p)
▲ Income Statement	(25.15.13 – glinrp.p)
▲ AR Aging as of Effective Date	(27.18 – arcsrp05.p)
▲ AP Aging as of Effective Date	(28.17.6 – apvorp04.p)
▲ AR Tax by Tax Rate	(2.13.15.14 – txarrp01.p)
▲ AP Tax by Tax Rate	(2.13.15.17 – txaprp01.p)
▲ AR Balance Report	(27.20 – arcsrp.p)
▲ Inventory Valuation	(3.6.13 – ppptrp03.p)
▲ Unvouchered Receipts Report	(5.13.10 – poporp11.p)
▲ Purchase Receipt Report	(5.13.5 – poporp06.p)
▲ Asset Owned Report	(32.5.11 – faaorp.p)
▲ Sales Order Report	(7.15.1, 2 or 3 – sosorp.p, sosorp01.p, sosorp02.p)

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Standard Closing Reports



Questions ?

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Questions



Lab 1

CHAPTER 3

First Activity

First Activity: Pre-Conversion

Set Up Environment

- 1 Configure Surgient Environment for pre-conversion training.
 - a Use `setupenv`.
 - b Select Option 1 - Conversion Training & Installation
- 2 Install pre-conversion code from the following directory:
`/dr01/CDIMAGES/<qdt_version_number>/preconvrep`
- 3 Edit `propath` variable to include path where pre-conversion is installed.

Run Pre-Conversion Code

Execute the following pre-conversion steps:

:

#	Step Name	File Name	QAD EE Release
1.1	Table Extension Domain Fixes (2) - Part 1 of 2	utqtabs.p & utqtplsd.p	eB2.1
1.2	Data Reduction	various	
1.3	GTM Conversion	various	8.6e, 9.0
2.1	Employee Entity Utility	uxempent.p	All
2.2	End User Contact Utility	uxendupd.p	All
2.3	Control Account Utility	uxctrl.p	All
2.4	GL Account / Project Utility	uxplproj.p	8.6e and 9.0
2.5	Orphaned Address Utility	uxaddrfix.p	All
2.6	Credit Terms Utility	uxcrterms.p	All
2.7	Data Preparation Report	gpdatarp.p	All
2.8	Fix Errors reported in Data Prep Report	N/A	All
2.8a	Country Code Utility	uxctryup.p	All
2.8b	Tax ID Utility	uxtaxid.p	All
2.9	Search & Replace		eB2.1
2.9a	Duplicate Code Report	utsarrp1.p	

#	Step Name	File Name	QAD EE Release
2.9b	Code Usage Report	utsarrp2.p	
2.9c	Replace Code	utsarrp3.p	
2.10	GL Account Type Utility (Update = No)	uxglacup.p	All
2.11	Repeat steps 2.6 through 2.8b until all errors fixed		All
	Conversion Preparation		
3.1	Conversion Parameter Utility	utfinpar.p	All
3.2	Process pending transactions.	various	All
3.3	Close-off the Production database to new data/transactions.		All
3.4	Run GL Account Type Utility (Update = Yes)	uxglacup.p	All
3.5	Rerun Data Preparation Report	gpdatarp.p	All
3.6	Pre-conversion Integrity Report	gpinckrp.p	All
3.6a	GL Transaction Integrity		All
3.6b	AR Transaction Integrity		All
3.6c	AP Transaction Integrity		All
3.8	Finalize Data Preparation Report		All
	Run Standard Closing Reports		
4.1	Trial Balance	25.15.4 - gltbrp.p or 25.15.5 - gldtbrp.p	All
4.2	Balance Sheet	25.15.8 - glbsrp.p	All
4.3	Income Statement	25.15.13 - glinrp.p	All
4.4	AR Aging As of Effective Date	27.18 - arcsrp05.p	All
4.5	AP Aging As of Effective Date	28.17.6 - apvorp04.p	All
4.6	AR Tax by Tax Rate	2.13.15.14 - txarrp01.p	All
4.7	AP Tax by Tax Rate	2.13.15.17 - txaprp01.p	All
4.8	AR Balance Report	27.20 - arcsrp.p	All
4.9	Inventory Valuation Report	3.6.13 - ppptrp03.p	All
4.10	Unvouchered receipts report	5.13.10 - poporp11.p	All
4.11	Purchase Receipt Report	5.13.5. - poporp06.p	All
4.12	Asset Owned Report	32.5.11 - faaorp.p	All
4.13	Sales Order Report	7.15.1,2,3 - sosorp.p, sosorp01.p, sosorp02.p	All

CHAPTER 4

Conversion Execution

Overview

This presentation describes how to execute the conversion procedure.



Our Passion. Your Advantage.

**QAD Enterprise Edition
Conversion Execution Process**

Conversion Execution Process



Our Passion. Your Advantage.

Conversion Execution Process

↓

Conversion Process

↓

Step Seq	Step Name	File Name	MFG/PRO Release
	Conversion Execution		
5.1	Prepare the Environment		
5.2	Prepare the Source Database(s)		
5.3	Install and Configure Software		
5.3a	Install latest version of QDT		
5.3b	Install QAD EE		
5.4	Conversion Setup		
5.4a	Enable Large Files		
5.4b	Configure Conversion settings		
5.5	Execute Conversion		
5.5a	Enter License codes		

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Conversion Execution Process



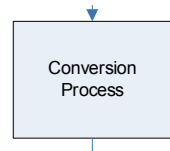
Conversion Execution Process

▲ Prepare the environment

- Define values for the following environment variables
 - DLC: Progress install directory
 - CATALINA_HOME: Tomcat install directory
 - JAVA_HOME: Java install directory

▲ Note:

- Recommended to place these settings in a shell script to avoid having to set them each time



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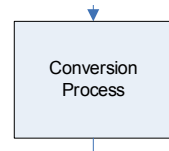
Prepare Environment



Conversion Execution Process

- ▲ Prepare the source databases
 - Migrate database to latest Progress version

- ▲ Note: Conversion execution will not start if there are errors in the Data Preparation Report
 - Therefore it is mandatory to resolve all pre-conversion errors before beginning this stage



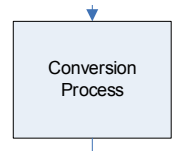
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Prepare Source Databases



Conversion Execution Process

- ▲ Install and configure software
 - Install latest version of QDT that has conversions included
 - Note: Conversion software is not deployed on QAD EE media and therefore a separate download of QDT with conversions included is required
 - Using latest version of QDT
 - Install QAD Enterprise Edition
- ▲ Note: The QAD EE patch level may need to be updated



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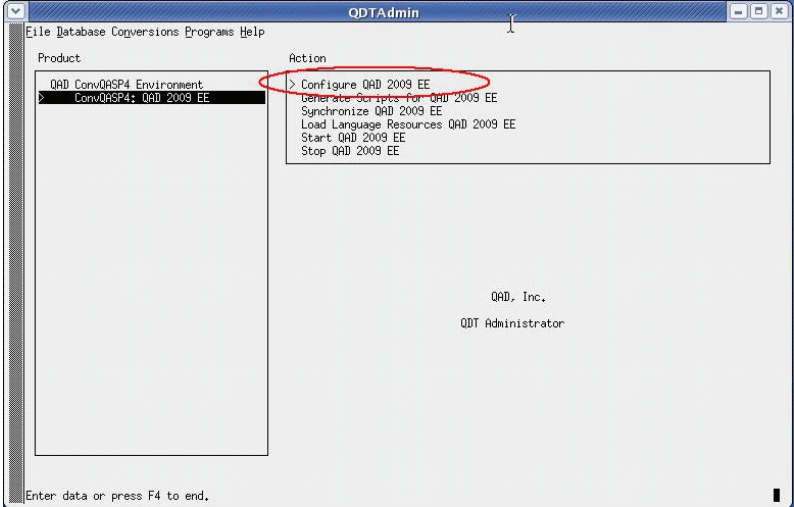
Install and Configure Software



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Conversion Execution Process

▲ Note: The Configure QAD 2009 EE option should not be run during a conversion. It is only required when doing a clean install with no conversion planned



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Enter data or press F4 to end.

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Conversion Process

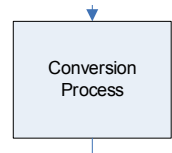
Install and Configure Software 2



Conversion Execution Process

▲ Conversion Setup

- Enable large files for the target production database if required
- Enable conversions



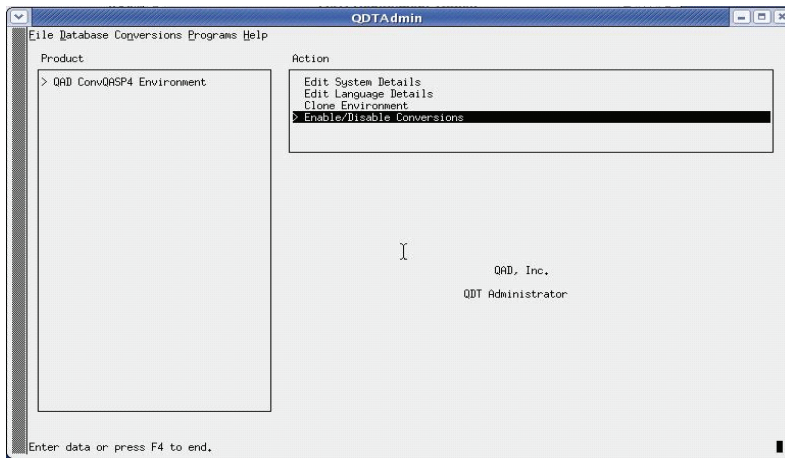
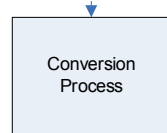
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Conversion Setup



Enable/Disable Conversions

- ▲ Enable conversions
 - Conversion menus are password protected and must be enabled before beginning conversion execution process
 - The password to enable the conversions is provided as part of the QAD Services engagement



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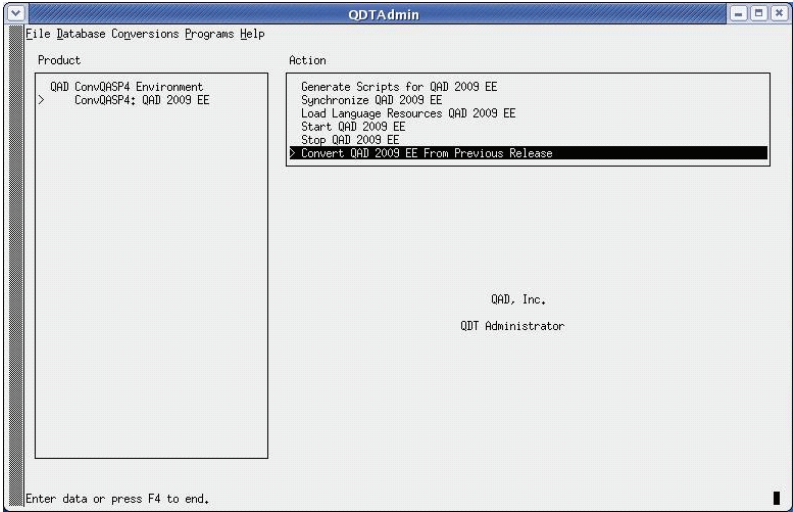
Enable/Disable Conversion



Convert QAD 2009 EE From Previous Release

- ▲ Select the following menu item to configure the conversion execution settings

Conversion Process



The screenshot shows the QDTAdmin application window. The 'Product' list on the left includes 'QAD ConvQASP4 Environment' and 'ConvQASP4: QAD 2009 EE'. The 'Action' list on the right includes 'Generate Scripts for QAD 2009 EE', 'Synchronize QAD 2009 EE', 'Load Language Resources QAD 2009 EE', 'Start QAD 2009 EE', 'Stop QAD 2009 EE', and 'Convert QAD 2009 EE From Previous Release', which is currently selected. The status bar at the bottom reads 'Enter data or press F4 to end.'.

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Convert From Previous Release


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Live Main Database: Create Live Main Database

▲ Select Live Main Database: Create Live Main Database

```

Database Server: Convert Database Sets From Previous Release
Database Server: Configure QAD 2009 EE Database Sets
Empty Database Set: Create QAD 2009 EE Empty Database Set
Empty Main Database: Create Empty Main Database
Empty Single R-code Database: Create Empty Single R-code Database
Empty Admin Database: Create Empty Admin Database
Empty Help Database: Create Empty Help Database
QAD 2009 EE Database Set: Create QAD 2009 EE Database Set
> Live Main Database: Create Live Main Database
Live Admin Database: Create Live Admin Database
Live Help Database: Create Live Help Database
QAD 2009 EE Database Set: Start Live Database Set
          
```



Conversion
Process



▲ Edit server values in parms field to the following as shown below:

- set –L: 327680
- Include: -i
- set –B: 50000

```

Logical Name: qaddb
Service:
Server Parms: -L 327680 -i -c 350 -B 50000 -spin 50000 -tablerang
Connect Parms: -trig triggers
          
```

< Back >
Next >
< Done >
Cancel >

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Create Live Main Database



Character Client Code: Generate R-code

▲ Select Character Client Code: Generate R-Code

```

Empty Single R-code Database: Create Empty Single R-code Database
Empty Admin Database: Create Empty Admin Database
Empty Help Database: Create Empty Help Database
QAD 2009 EE Database Set: Create QAD 2009 EE Database Set
Live Main Database: Create Live Main Database
Live Admin Database: Create Live Admin Database
Live Help Database: Create Live Help Database
QAD 2009 EE Database Set: Start Live Database Set
Applications Server: Configure QAD 2009 EE Application
EDI Code: Configure EDI Code
> Character Client Code: Generate R-code
Financials AppServer: Stop Financials AppServer
                    
```

Conversion Process

▲ Change compiler settings:

- Check multi-thread
- Set the number of compile thread to the number of CPU cores on the server
- Check ignore compile errors

Compiler Settings Container: Character Client Code

```

(X)Staggered QAD 2009 EE Defa
( )Flat Destination
( )Destination Same as Source

Compile List File: /dr01/mfaprp/QAD2009EE/utcompil.wrk <Browse>
[ ] Generate New List File

Compile Propath: /dr01/mfaprp/QAD2009EE/src./dr01/mfaprp/QAD2009EE/src/propath <Edit>

Database Set: Empty Database Set [X]

Destination Path: /dr01/mfaprp/QAD2009EE <Browse>

[X] Multi-Thread      Compile Threads: 2
[X] Ignore Compile Errors

< Back > Next >      < Done > Cancel >
                    
```

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Character Client Code: Generate R-Code



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UI Configuration: Update UI Configuration

```
Financials AppServer: Start Financials AppServer
UI Configuration: Create UI Configuration
UI Configuration: Build UI Configuration
UI AppServer: Stop UI AppServer
UI AppServer: Create UI AppServer
UI AppServer: Start UI AppServer
UI WebSpeed Broker: Stop WebSpeed Broker
UI WebSpeed Broker: Create WebSpeed Broker
UI WebSpeed Broker: Start WebSpeed Broker
> UI Configuration: Update UI Configuration
QAD 2009 EE Database Set: Convert QAD 2009 EE Databases From Previous
QAD 2009 EE: Synchronize QAD 2009 EE
```

Conversion Process

▲ Update the following:

- Working directory
- Login
- Password & confirm password

Working Directory: /dr01/mfgpro/QAD2009EE

OS Prompt: \$ Port: 23

Login: mfg

Password: _____ Minimum Connections: 1

Confirm Password: _____ Maximum Connections: 5

< Back > **Next** > < Done > < Cancel >

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Update UI Configuration



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QAD EE Database Set: Convert QAD EE Database from Previous version

```
Financials AppServer: Start Financials AppServer
UI Configuration: Create UI Configuration
UI Configuration: Build UI Configuration
UI AppServer: Stop UI AppServer
UI AppServer: Create UI AppServer
UI AppServer: Start UI AppServer
UI WebSpeed Broker: Stop WebSpeed Broker
UI WebSpeed Broker: Create WebSpeed Broker
UI WebSpeed Broker: Start WebSpeed Broker
UI Configuration: Update UI Configuration
> QAD 2009 EE Database Set: Convert QAD 2009 EE Databases From Previous
QAD 2009 EE: Synchronize QAD 2009 EE
```

↓

Conversion Process

▲ Update the following:

- Select Yes to all create prompts
- Source qaddb database name is the full path of the source production database.
- Source adm database name is the full path of the source admin database.

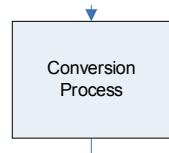
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Convert Database from Previous Version



QAD EE Database Set: Convert QAD EE Database from Previous version

- ▲ If the database being converted is prior to QAD 2007 the following information will need to be specified:
 - Domain information will need to be entered. Tab to Next and press Enter to provide the domain code, domain name and domain description for the predetermined domains.
 - OID seed value will need to be provided



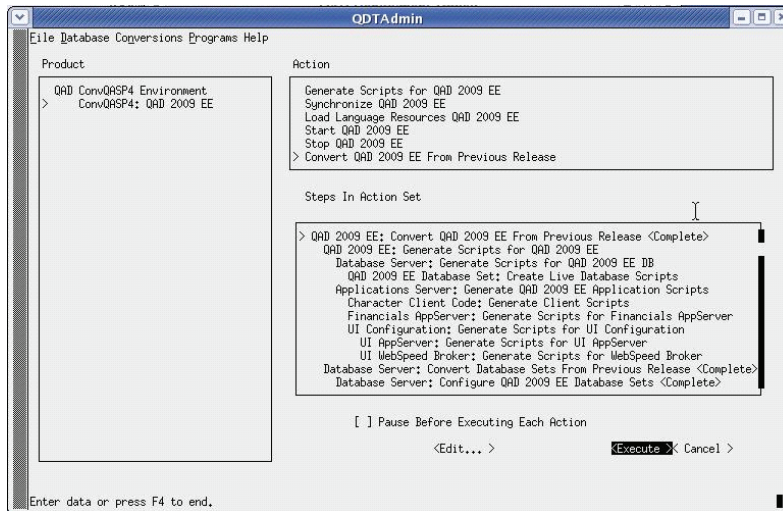
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Convert Database from Previous Version 2



Conversion Execution

- Once all the previous settings have been complete select Execute and press enter to begin executing the conversion



Conversion
Process

QAD Proprietary

Execute Conversion



Execute Conversion

- ▲ The conversion will proceed until finished or an error occurs.
 - The Pause Before Executing Each Action checkbox can be used to prompt the user before continuing to execute each step.
 - This should only be used for testing or debugging purposes
 - It is not recommended to use this option for a live production conversion
- ▲ No further input is required until the conversion has come to an end. Once the conversion has finished, quit QDT and carry out the following steps:
 - Enter license codes

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Execute Conversion 2



Troubleshooting

▲ The following are some sample issues which may prevent the conversion from executing successfully

- Conversions not enabled in QDT
- Errors in the Data Preparation Report
- Invalid characters in a database field
- Number of characters in a database field exceeding the character limit of that field

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Troubleshooting



Troubleshooting

- ▲ QDT menu options do not contain "Convert QAD EE from Previous Release"
 1. Conversion routines are disabled and password protected by default. Therefore this option will need to be enabled beforehand
 2. Or conversion routines are not deployed on QAD EE media and therefore a separate download of QDT with conversions included is required

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Troubleshooting 2



Troubleshooting

- ▲ QDT Admin gives an error message "Data Preparation Report is not clean" after you input the source database
 - Before the conversion execution stage can be run the Data Preparation Report must be run on source database and report zero errors
 - To fix the problem the Data Preparation Report should be run against the source database and any errors reported must be fixed

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Troubleshooting 3



Troubleshooting

▲ Errors in reindex.log

- reindex.log contains the output from rebuilding the indexes in the QAD EE database during the conversion execution stage
- These errors can be caused by the new unique index oid_<table name>
 - This new index is used to enforce uniqueness on the OID fields
 - OID fields were available in some pre-QAD EE versions but uniqueness was not enforced
- These errors should be analysed and corrected before proceeding with the conversion
 - For OID fields these can be reset to zero and the conversion will regenerate them
 - Note: Some OID fields are used as foreign fields and these should be manually corrected
- The conversion execution will have to be restarted from beginning

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Troubleshooting 4



Troubleshooting

▲ Errors in qdtadmin.log

"field cannot contain a comma, a pipe or any unprintable character"

- QAD EE does not support commas, pipes or unprintable characters in some fields
- These characters will have to be removed or replaced from the source database with supported characters such as semi-colon
- The conversion execution stage will have to be restarted from beginning

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Troubleshooting 5



Troubleshooting

▲ Errors in qdtadmin.log

"value is too long"

- QAD EE validates field length based on data definitions. If the value being entered in the field is longer than the length defined in the database, then QAD EE will raise an error during conversion.
- These errors can be corrected by shortening or truncating some characters from the original value to make its length less than or equal to the length defined in database.
- The conversion execution stage will have to be restarted from beginning

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Troubleshooting 6



Troubleshooting

▲ Errors in qdtadmin.log

"The role name may contain the following characters: '*', ',', or '!'"

- QAD EE 's role name does not support the above characters,
- These characters will have to be replaced in usrg_group_name of the source database with supported characters
- The conversion execution stage will have to be restarted from beginning

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Troubleshooting 7



Troubleshooting

▲ Errors in qdtdmin.log

“***** Error: Cannot find Pay Format Directory “

- Either the payformats xml directory was entered incorrectly using the Conversion Parameters Utility or the directory does not contain any of the required xml files.
- Fix: Confirm that the directory entered is valid and contains the correct xml files. The conversion execution will have to be restarted from beginning

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Troubleshooting 8



Troubleshooting

▲ Progress Errors during Conversion execution such as:

"Record Already exists with Daybook Code = 0."

- The conversion could not find the default daybook codes, either because they have not been entered or there was an earlier error that caused the conversion not to write these values to the xml file.
- Update the values using the Conversion Parameters Utility
- The conversion execution stage will have to be restarted from beginning

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Troubleshooting 9



Troubleshooting

▲ Progress Errors during Conversion execution such as:

“Could not start financial session. -5”

Potential causes are:

1. Financial application server is not running
 - Fix: Start the financial application server
2. License Keys are out of date. At some point the conversion was stopped and restarted
 - Fix: The conversion execution will have to be restarted from beginning

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Troubleshooting 10



Conversion Execution

▲ Questions?

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Questions



Lab 2

CHAPTER 5

Second Activity

Second Activity: Execute Conversion

Set Up Environment

- 1** Configure Surgient Environment for pre-conversion training.
 - a** Use `setupenv`.
 - b** Select Option 3 - Conversion Training & Installation

Configure and Execute Conversion

Execute the following conversion steps:

- 1** Prepare the environment.
- 2** Prepare the source database(s).
- 3** Install and configure software.
 - a** Install latest version of QDT.
 - b** Install QAD Enterprise Edition.
- 4** Set up for conversion
 - a** Enable large files.
 - b** Configure conversion settings.
- 5** Execute conversion.
- 6** Enter license codes.

CHAPTER 6

Post-Conversion

Overview

This presentation describes procedures to execute after the conversion has completed.



Post-conversion Process



Post-conversion Introduction

- ▲ Objectives of post-conversion
 - To test and validate a converted database
 - To prepare a converted database for a go-live implementation

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Objectives of Post-Conversion



Overview of Post-conversion Steps

1. Post-conversion utilities
2. Post-conversion data validation
3. Post-conversion reports
4. Process flow & static data validation
5. Post-conversion setup
 - Mandatory data
 - Non-mandatory data

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Post-Conversion



Overview of Post-conversion Steps (1)

Step Seq	Step Name	File Name	MFG/PRO Release
	Post-conversion Utilities		
6.1	Fixed Assets Migration Utility	32.25.2 - facvmt.p	8.6e, 9.0
6.2	Table Extension Domain Conversions (2) - Part 2 of 2	5.25.7 - utvdt92.p or 5.25.8 - utvdt92b.p	
6.3	Sales Order Balance Update	36.16.23.6 - utcsob.p	
6.4	Document Credit Terms Update	36.25.83 - uxdccrterms.p	
	Post-conversion Data Validations		
7.1	System Consistency Check Rept	36.16.23.1 - utsyscon.p	
7.2	Financials Consistency Check	36.16.23.2 - utfincon.p	
7.3	Post Conversion Integrity Check	36.16.23.3 - acinckrp.p	
7.4	Operational Account Structure Validation	36.9.20 - uxacval.p	
	Post-conversion Reports		
8.1	Trial Balance		
8.2	Balance Sheet		
8.3	Income Statement		
8.4	Customer Aging Analysis		
8.5	Supplier Aging Analysis		
8.6	Inventory Valuation as of Date		
8.7	Unmatched PO Receipts as of Date		
8.8	Asset Owned Report (Fixed Assets Valuation)		
8.9	Open Sales Order Balances		
	Suggested Process Flow & Static data Validation		
9.1	Process Flow Validations		
9.1a	Sales Order - AR Process		
9.1b	Purchase Order - AP Process		
9.1c	Round Trip		
9.2	Static Data Validation		

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Overview of Post-Conversion Steps 1



Overview of Post-conversion Steps (2)

Step Seq	Step Name	File Name	MFG/PRO Release
	Post-conversion Set-Up		
	Mandatory		
10.1	Structured Reports		
10.1a	Balance Sheet		
10.1b	Income Statement		
10.3	Invoice Status Codes		
10.4	Daybooks		
10.4a	Daybook		
10.4b	Daybook Sets		
10.5	Security		
10.5a	Roles and Permissions		
10.5b	Update Domain/Entity/User		
10.6	Tax Periods		
10.7	Reporting Periods		
10.8	Profiles		
10.8a	Sub-Account Profiles		
10.8b	Cost Center Profiles		
10.8c	Project Profiles		
10.8d	Customer Account Profiles		
10.8e	Purchase Account Profiles		
10.8f	Sales Account Profiles		
10.8g	Configure Daemons		
10.9g	Non-Mandatory		
10.11	Accounting Layers		
10.12	Cash Groups		
10.13	Report Structures		
10.14	Taxes		
10.14a	Tax Codes		
10.14b	Tax Boxes		
10.14c	Tax Groups		
10.14d	Update Tax Rates		
10.14e	Posting Tax Group Update		
10.15	Supplementary Analysis Fields		
10.16	Customer Credit Checking		
10.17	Customer/Supplier Pmt Statuses		
10.18	Customer/Supplier Control Accts		
10.19	Additional Profiles		

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Overview of Post-Conversion Steps 2



Post-conversion Utilities

- ▲ Fixed Assets Migration Utility
- ▲ Table Extension Domain Conversion – Part 2
- ▲ Sales Order Balance Update
- ▲ Document Credit Terms

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Post-Conversion Utilities



Post-conversion Utilities

▲ Fixed Assets Migration Utility

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Fixed Assets Migration Utility



Fixed Assets Migration Utility

- ▲ Users on MFG/PRO 8.6e or 9.0 and using the original Fixed Assets module must upgrade to the Enhanced Fixed Assets when upgrading to QAD EE.
- ▲ The legacy data is dumped during conversion. Run this utility to load the legacy data into the new tables.
- ▲ This utility is to be run only by users upgrading from MFG/PRO 8.6e or 9.0. Please refer to the Fixed Assets Conversion chapter in *QAD SE User Guide* for more information.

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Fixed Assets Migration Utility 2



Post-conversion Utilities

- ▲ Fixed Assets Migration Utility
- ▲ Table Extension Domain Conversion – Part 2

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Table Extension Domain Conversion



Table Extension Domain Conversion – Part 2

- ▲ These utilities complete the conversion of data previously held in table extension records. Only one of these two menu items should be executed.
- ▲ The pertinent menu option needs to be run for each active domain in the system.
 - Users upgrading to QAD EE from eB2 or eB2.1 with any Service Pack before SP 6 must run the utility at menu 5.25.7.
 - Users upgrading to QAD EE from eB2.1 SP 6 or higher must run the utility at menu 5.25.8.

QAD Proprietary

Table Extension Domain Conversion 2



Post-conversion Utilities

- ▲ Fixed Assets Migration Utility
- ▲ Table Extension Domain Conversion – Part 2
- ▲ Sales Order Balance Update

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Sales Order Balance Update



Sales Order Balance Update

- ▲ This utility recalculates the open sales order balance by customer and updates the outstanding balance on the customer master.
- ▲ This balance is checked when a credit check is performed and the Include Sales Order flag is checked.

QAD Proprietary

Sales Order Balance Update 2



Post-conversion Utilities

- ▲ Fixed Assets Migration Utility
- ▲ Table Extension Domain Conversion – Part 2
- ▲ Sales Order Balance Update
- ▲ Document Credit Terms

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Document Credit Terms



Document Credit Terms

- ▲ Any credit term that has either a fixed due date, or has a multiple stages and references a credit term with a fixed due date is not converted.
- ▲ This utility will update various documents (calls, invoice history, sales orders, purchase orders, service contracts, price list detail, sales quotes) of the user's choosing with a user-specified credit terms code. This credit terms code will be applied to any documents meeting the selection criteria that have either blank or invalid credit terms assigned to them.
- ▲ The utility must be run for each domain, and separately for each document type.

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Document Credit Terms 2



Post-conversion Data Validations

- ▲ System Consistency Check
- ▲ Financial Consistency Check
- ▲ Post-conversion Integrity Check
- ▲ Operational Account Structure Validation

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Post-Conversion Data Validations



Post-conversion Data Validations

▲ System Consistency Check

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System Consistency Check



System Consistency Check

- ▲ 36.16.23.1 or utsyscon.p
- ▲ The purpose of this utility is to ensure that master data which is maintained in the Financials and replicated to the operational part remains consistent. i.e.
- ▲ If there is a record in the operational part of the system, then there must be a record in the financials and vice versa.
- ▲ This check will ensure that new records have been created in the Financials by the conversion for every master record in the original version.

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System Consistency Check 2



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System Consistency Check

▲ Type System Consistency Check in .NET UI or 36.16.23.1 (utsyscon.p) in CHUI

System Consistency Check X

SELECTED

DESELECTED

1-Language Data
2-Domain Data
2-Entity Data
2-Role Data
2-User Data
3-Role Membership (Domain)
3-Role Membership (Entity)
3-User Access (Domain)

<Deselect All>

<Deselect>

<Select>

<Select All>

<Continue>

Date From:

Date To:

Log Directory:

Log File:

Field Comparison:

Incl Query Details:

F1=Go 2=Help 3=Ins 4=End 7=Recall 8=Clear 11=Paste

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System Consistency Check 3



System Consistency Check

- ▲ The resulting report contains a summary and details of any inconsistencies

```

2009-05-12>02:49:21: REPORT STATISTICS
                                White Missing * MFGPRO Missing * Inconsistent
ok 1-Language Data              0 *          0 *          0
ok 2-Domain Data                0 *          0 *          0
ok 2-Entity Data                0 *          0 *          0
ok 2-Role Data                  0 *          0 *          0
ok 2-User Data                  0 *          0 *          0
ok 3-Role Membership (D)        0 *          0 *          0
ok 3-Role Membership (E)        0 *          0 *          0
ok 3-User Access (Domain)       0 *          0 *          0
ok 3-User Access (Entity)       0 *          0 *          0
ERR 4-Menu Data                 0 *          1 *          0
ERR 5-Address Data              0 *          8 *          0
ok 5-Country Data               0 *          0 *          0
ok 5-Credit Terms Data          0 *          0 *          0
ok 5-Credit Terms Stage         0 *          0 *          0
ok 5-Currency Data              0 *          0 *          0
ERR 5-Exchange Rate Data        9 *          9 *          0
ok 5-GL Calendar Data           0 *          0 *          0
ok 5-GL Period Data             0 *          0 *          0
ok 5-Rounding Method Data       0 *          0 *          0
ok 6-Cost Center Data           0 *          0 *          0
ok 6-Daybook Data               0 *          0 *          0
ok 6-GL Account Data            0 *          0 *          0
ok 6-GL Mask Data               0 *          0 *          0
ok 6-Project Data               0 *          0 *          0
ok 6-Sub-Account Data           0 *          0 *          0
ok 6-Tax Data                   0 *          0 *          0
ok 7-Customer Data              0 *          0 *          0
ERR 7-Employee Data             80 *         12 *          0
ERR 7-End User Contact D        9 *          0 *          2
ERR 7-End User Data             1 *          0 *          0
ok 7-Supplier Data              0 *          0 *          0
ERR 8-AP Matching Data          82 *          0 *          0
ERR 8-AR Invoice Data            0 *          30 *          0
ERR 8-Posting Data              0 *          83 *          0

```

2009-05-12>02:49:21: >>> Finished System Consistency Check <<<

QAD Proprietary

System Consistency Check 4



Post-conversion Data Validations

- ▲ System Consistency Check
- ▲ Financials Consistency Check

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Financials Consistency Check



Financial Consistency Check

- ▲ 36.16.23.2 or utfincon.p
- ▲ This utility validates the consistency, completeness and integrity of converted financial data, all table structures in the new Financials are as they should be and their links are correct.
- ▲ It validates some balances (AR, AP) to ensure transactions balance across entities with regards to debits and credits and that the sub-ledgers balance to GL.

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Financials Consistency Check 2



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Financial Consistency Check

▲ Type Financial Consistency Check in the .NET UI or 36.16.23.2 (utfincon.p) in CHUI

Financials Consistency Check X

This program will perform some consistency checks in the new Financials. The validations are in the area of General Ledger, Accounts Receivable and Accounts Payable. The validation is done for all entities.

Log File.....	finconsistency_20090512_072621.log
Log Dir.....	/tmp/
From Posting Date.....	01/01/01
Validate GL.....	yes
Validate GL Balances Entity/Year.....	yes
Validate AR / AP	yes yes
Reconcile AR-GL / AP-GL	yes yes
Validate Payments AR / AP	yes yes
Count Records.....	<u>yes</u>

F1=Go 2=Help 3=Ins 4=End 7=Recall 8=Clear 11=Paste

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Financials Consistency Check 3



Financial Consistency Check

- ▲ The resulting report contains the details of any inconsistencies

```

2009-05-11>04:03:34: >>>> START COUNTING <<<<
Posting# = 1410
PostingLine# = 3099
PostingHist# = 477
QPostingLine# = 0

DInvoice# = 42
DInvoiceMovement# = 48
QDInvoiceMovement# = 0
DHist# = 28

CInvoice# = 48
CInvoiceMovement# = 85
QCInvoiceMovement# = 0
CHist# = 29

CDocument# = 36
CCollection# = 8
CDocumentInvoiceXref# = 37
CDocInvoiceXrefStage# = 0

DDocument# = 10
DDCollection# = 6
DDocumentInvoiceXref# = 10
DDocInvoiceXrefStage# = 0
2009-05-11>04:03:34: >>>> END COUNTING <<<<

2009-05-11>04:03:34: >>>> Start Validation of GL (01/01/00) <<<<
POSTING:590842:Posting not in balance for CC amounts:04/26/09:mfg
PostingLine:591858:Transactions without sub-accounts found on account which is enabled for sub-accounts: 04/26/09:mfg
PostingLine:591872:Transactions without sub-accounts found on account which is enabled for sub-accounts: 04/26/09:mfg
PostingLine:590887:Transactions on costcentres found on account which is disabled for costcentres: 04/26/09:mfg
PostingLine:590987:Transactions on costcentres found on account which is disabled for costcentres: 04/26/09:mfg
PostingLine:591885:Transactions without sub-accounts found on account which is enabled for sub-accounts: 04/26/09:mfg
PostingLine:591858:Transactions without sub-accounts found on account which is enabled for sub-accounts: 04/26/09:mfg
PostingLine:591946:Transactions without sub-accounts found on account which is enabled for sub-accounts: 04/26/09:mfg
PostingLine:590900:Transactions on costcentres found on account which is disabled for costcentres: 04/26/09:mfg
PostingLine:591227:Transactions on costcentres found on account which is disabled for costcentres: 04/26/09:mfg
PostingLine:591203:Transactions on costcentres found on account which is disabled for costcentres: 04/26/09:mfg

```

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Financials Consistency Check 4



Post-conversion Data Validations

- ▲ System Consistency Check
- ▲ Financials Consistency Check
- ▲ Post-conversion Integrity Check

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Post-Conversion Integrity Check



Post-conversion – Integrity Check

- ▲ 36.16.23.3, acinckrp.p
- ▲ A post-conversion report provided to assess the status of financial transaction data after conversion.
- ▲ The corresponding pre-conversion report (gpinckrp.p) must be run prior to the conversion. If not the contents of the report will be inaccurate.
- ▲ The report is split across domains with one section per domain. Each of the domain sections is then broken down into 3 sub-sections listed below:
 - GL Transaction Integrity
 - AR Transaction Integrity
 - AP Transaction Integrity
- ▲ Should show the data is in the same condition as before conversion with the exception of any unbalanced GL transactions from the current period which were balanced by the conversion.
- ▲ Report can be run in summary or detail mode.

QAD Proprietary

Post-Conversion Integrity Check 2



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Post-conversion Integrity – Menu

ProcessesPost Conversion Integrity Check

Go ToActionsCopyPrintPreview

Build Integrity Check Records

Report Integrity Check Records

Detail/Summary: Detail

Depending on data size, you may wish to run the report in Batch

Output:
Batch ID:

BackNext

QAD Proprietary

Post-Conversion Integrity Check 3





Post-conversion – GL Integrity (Sum)

- ▲ Summary mode will only display accounts where differences are found.

Domain: Domain1							
GL Balance Validation							
Entity	Account	Balance Preconv	Balance Postconv	Difference	Conversion	Account	
6000	440000	407.72	407.74	0.02	QAD-0086		
6000	410000	100.00	100.05	0.05	QAD-0085		
6000	430000	404.87	404.84	0.03	QAD-0086		
6000	460000	301.99	309.00	8.99	QAD-0086		
6000	480000	1024.00	1022.55	2.45	QAD-0086		

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GL Integrity



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Post-conversion – GL Integrity (Detail)

▲ Detail mode shows all accounts even when there are no differences between pre-conversion & post-conversion amounts.

Domain: Domain1

GL Balance Validation					
Entity	Account	Balance Preconv	Balance Postconv	Difference	Conversion Account
6000	000000	0.00	0.00	0.00	
6000	003500	0.00	0.00	0.00	
6000	022000	0.00	0.00	0.00	
6000	023000	0.00	0.00	0.00	
6000	050100	108,267.00	108,267.00	0.00	
6000	051100	721,164.70	721,164.70	0.00	
6000	053100	3,865,197.00	3,865,197.00	0.00	
6000	053900	0.00	0.00	0.00	
6000	054000	92,021.00	92,021.00	0.00	
6000	055000	123,326.00	123,326.00	0.00	
6000	056000	0.00	0.00	0.00	
6000	056100	114,251.00	114,251.00	0.00	
6000	056200	431,145.00	431,145.00	0.00	
6000	059000	0.00	0.00	0.00	
6000	070000	4,383,915.00	4,383,915.00	0.00	
6000	073000	0.00	0.00	0.00	
6000	075100	207,514.00	207,514.00	0.00	
6000	075200	0.00	0.00	0.00	

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GL Integrity 2

Post-conversion – AR Integrity

AR Account Entity	Validation Account	Balance Preconv	Conv Acct Balance	Conversion Account	Balance Postconv	Difference
6000	240000	0.00	0.00	QAD-0062	0.00	0.00
6000	240001	0.00	0.00	QAD-0063	0.00	0.00
6000	240002	0.00	0.00	QAD-0064	0.00	0.00
6000	250003	0.00	0.00	QAD-0065	0.00	0.00
6000	250005	0.00	0.00	QAD-0066	0.00	0.00
6000	250007	0.00	0.00	QAD-0067	0.00	0.00
6000	250010	21,669.62	0.00	QAD-0068	21,669.62	0.00
6000	250012	0.00	0.00	QAD-0069	0.00	0.00
6000	250014	0.00	0.00	QAD-0070	0.00	0.00
6000	250017	0.00	0.00	QAD-0071	0.00	0.00
6000	250030	0.00	0.00	QAD-0072	0.00	0.00
6000	250032	0.00	0.00	QAD-0073	0.00	0.00
6000	250041	0.00	0.00	QAD-0074	0.00	0.00
6000	250042	0.00	0.00	QAD-0075	0.00	0.00
6000	250043	0.00	0.00	QAD-0076	0.00	0.00
6000	250044	12,936.00	0.00	QAD-0077	12,936.00	0.00
6000	250045	0.00	0.00	QAD-0078	0.00	0.00
Total		34,605.62	0.00		34,605.62	0.00

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AR Integrity



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Post-conversion – AP Integrity

AP Account Validation								
Entity	Account	Balance Preconv	Conv Acct	Balance	Conversion Account	Balance Postconv	Difference	
6000	440000	-36,407.68		0.00	QAD-0025	-36,407.68	0.00	
6000	440001	0.00		0.00	QAD-0026	0.00	0.00	
6000	440002	-2,315,203.57		0.00	QAD-0027	-2,315,203.57	0.00	
6000	465012	-830.00		0.00	QAD-0034	-830.00	0.00	
6000	465013	0.00		0.00	QAD-0035	0.00	0.00	
6000	465014	-231,902.19		0.00	QAD-0036	-231,902.19	0.00	
6000	465015	0.00		0.00	QAD-0037	0.00	0.00	
6000	465016	0.00		0.00	QAD-0038	0.00	0.00	
6000	465017	0.00		0.00	QAD-0039	0.00	0.00	
6000	465018	-30,844.61		0.00	QAD-0040	-30,844.61	0.00	
6000	465020	0.00		0.00	QAD-0041	0.00	0.00	
6000	465030	0.00		0.00	QAD-0042	0.00	0.00	
6000	465031	0.00		0.00	QAD-0043	0.00	0.00	
6000	465032	-604.48		0.00	QAD-0044	-604.48	0.00	
6000	465039	0.00		0.00	QAD-0051	0.00	0.00	
6000	465040	-72,888.38		0.00	QAD-0052	-72,888.38	0.00	
6000	465046	0.00		0.00	QAD-0058	0.00	0.00	
6000	465047	0.00		0.00	QAD-0059	0.00	0.00	
6000	465048	0.00		0.00	QAD-0060	0.00	0.00	
6000	465049	0.00		0.00	QAD-0061	0.00	0.00	
Total		-2,688,680.91		0.00		-2,688,680.91	0.00	

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AP Integrity



Post-conversion Data Validations

- ▲ System Consistency Check
- ▲ Financial Consistency Check
- ▲ Post-conversion Integrity Check
- ▲ Operational Account Structure Validation

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Operational Account Structure Validation



Operational Account Structure Validation

- ▲ 36.9.20 or uxacval.p
- ▲ This report checks all of the places in the system where default GL accounts, sub-accounts and cost centers can be specified and are used in the creation of GL transactions in the operational modules (e.g., Product Line Maintenance, Department Maintenance, etc.). It reports on any invalid combinations.
- ▲ Invalid combinations could exist for a number of reasons, but more typically when accounts, sub-accounts, cost centers are made inactive. Such invalid settings can result in GL transactions which cannot be posted to the Financials.
- ▲ Users should manually correct errors reported by this function to prevent invalid GL transactions from being generated. If all combinations are valid, the Verify GL Accounts flag in Domain / Account Control is set to Yes.
- ▲ This report needs to be run for each active domain.

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Operational Account Structure Validation 2



Operational Account Structure Validation

- ▲ Type Op Acct Structure Validation in the .NET UI or 36.9.20 (uxacval.p) in CHUI

Op Acct Structure Validation X

Go To Actions Copy Print Preview

This utility will validate the account combinations defined in acct_mstr table. The program will provide a listing of all invalid combinations.

Output: 2006

Batch ID:

Back Next

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Operational Account Structure Validation 3



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Operational Account Structure Validation

▲ The resulting report contains the details of any conflicts

xxxxval p 3+
Page: 1

36.9.20 Op Acct Structure Validation
DOM1 USD DB NY

Date: 05/11/09
Time: 04:12:30

**** Invalid Accounts Exist.

Menu Name	Table Name	Reference	Account Field Name
Inventory Account Maintenance(1.2.13)	pid_det	Domain1 2000 12000 200 ** Invalid account number combination.	Inventory Acct
Inventory Movement Code Maint(1.1.9)	in_astr	Domain1 CustShip ** Valid non-blank account number required.	Unplanned Account
		Domain1 ISS-DO ** Valid non-blank account number required.	Unplanned Account
		Domain1 ISS-PRV ** Valid non-blank account number required.	Unplanned Account
		Domain1 ISS-TR ** Valid non-blank account number required.	Unplanned Account
		Domain1 ISS-UNP ** Valid non-blank account number required.	Unplanned Account
		Domain1 ISS-WO ** Valid non-blank account number required.	Unplanned Account
		Domain1 MFG-CUST ** Valid non-blank account number required.	Unplanned Account
		Domain1 Mfg-DIST ** Valid non-blank account number required.	Unplanned Account
		Domain1 RCT-PO ** Valid non-blank account number required.	Unplanned Account
		Domain1 RCT-PROS ** Valid non-blank account number required.	Unplanned Account

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Operational Account Structure Validation 4



Post-conversion Reports

- ▲ Trial Balance
- ▲ Balance Sheet
- ▲ Income Statement
- ▲ Customer Aging Analysis
- ▲ Supplier Aging Analysis
- ▲ Inventory Valuation as of Date
- ▲ Unmatched PO receipts as of Date
- ▲ Asset Owned report (Fixed Assets Valuation)
- ▲ Open Sales Order Balances

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Post-Conversion Reports



Suggested Process Flow & Static Data Validation (1)

▲ Sales Order – AR Process

- Sales Quotes
- Sales Quote Release to Order
- Sales Orders
- Sales Order Shipment
- Invoice Post and Print
- Customer Statement
- AR Payment

▲ As per customer implementation the following should be considered within the above process test:

- Discreet /Scheduled Orders
- Inventory / Memo Orders
- Shipments / Returns (include enhanced shipping)
- Despatch Documents
- Correction Orders
- Consolidated Invoicing
- Required payment formats e.g. Cheque, Electronic, Draft, etc.
- Consignment Inventory
- SSM
- Credit Checking
- Multi Currency

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Suggested Process Flow and Static Validation



Suggested Process Flow & Static Data Validation (2)

▲ Purchase Order – AP Process

- Purchase Requisitions
- Requisition Release to PO
- Purchase Order
- PO Receipt
- Supplier Invoice
- Invoice Matching
- AP Payment

▲ As per customer implementation the following should be considered within the above process test:

- Standard / Global Requisitions
- Discreet /Scheduled Orders / Blanket Orders
- Inventory / Memo Orders / Sub-Contract
- PO Receipt / Return to Vendor (RTV)
- Evaluated Receipts Settlement (ERS)
- Consignment Inventory
- Supplier Performance
- Required payment methods e.g. Cheque, Electronic, Draft, etc.
- Multi Currency

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Suggested Process Flow and Static Validation 2



Suggested Process Flow & Static Data Validation (3)

▲ Round trip

- Create demand for MRP e.g. Sales Order, Forecast
- Run MRP
- Approve Work Orders / Planned Purchase Orders
- Process Purchase Orders and Purchase Order Receipts
- Process Work Orders (Issue, Receipt, Close, Accounting Close)
- Delivery and Picking Documents
- Ship Sales Orders
- Create Invoices (Customer / Supplier)
- Pay Invoices (Customer / Supplier)

▲ As per customer implementation the following should be considered within the above process test:

- Shop Floor Control
- Repetitive / Advanced Repetitive
- Sub Contract Work Orders
- Logistics Accounting
- Configured Products
- EDI
- Price Lists
- Tax and Intrastat

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Suggested Process Flow and Static Validation 3



Suggested Process Flow & Static Data Validation (4)

▲ Static data validation

- Credit Terms
- Daybooks / Daybook Sets /Default Daybooks
- GL Accounts / Sub-Accounts / Cost Centres / Projects / GL Mask
- Accounting and Operation Control (e.g. Sales Order Control, Domain/Acct Control)
- Business Relations
- Customer / End User / Ship-to / Bill-to data
- Suppliers / Remit-to data
- Other Addresses (Sales Person, Company)
- Payment Formats
- Product Lines / Inventory Account Maintenance / Sales Account Maintenance
- Tax Type, Class, Usage, Base, Zone, Environment, Rate

- ▲ The above is not an complete list and may need to be extended depending on individual implementations

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Suggested Process Flow and Static Validation 4



Post-conversion Set-up – Mandatory Data

▲ Structured Reports

– Balance Sheet

- The Balance Sheet Report (25.15.5.4) runs based on report structures implemented using the Budget function. The system constructs the balance sheet based on the accounts you specify in the report structure. All other accounts are excluded. Please refer to the *QAD EE Financials User Guide* for more information

– Income Statement

- The Income Statement Report (25.15.5.5) runs based on report structures implemented using the Budget function. The system constructs the income statement based on the accounts you specify in the report structure. All other accounts are excluded. Please refer to the *QAD EE Financials User Guide* for more information.

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Mandatory Data



Post-conversion Set-up – Mandatory Data

▲ Invoice Status Codes

- Rename or replace codes provided by the conversion. The conversion only creates three invoice status codes. Consider the number of codes that will be needed for receiver matching and financial matching purposes, decide at what point in the process invoices are deemed to be approved, released for payment, etc., set up new status codes and then assign them to suppliers (and customers) as appropriate. Please refer to the *QAD EE Financials User Guide* for more information.

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Mandatory Data 2



Post-conversion Set-up – Mandatory Data

- ▲ Daybooks
 - Daybooks
 - Daybook sets
- ▲ Security
 - Roles and Permissions
 - Update Domain/Entity/User
- ▲ Tax Periods
- ▲ Reporting Periods
- ▲ Profiles
- ▲ Configure Daemons

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Mandatory Data 3



Post-conversion Set-up – Mandatory Data

- ▲ Daybooks
 - Daybooks
 - Daybook sets

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Mandatory Data 4



Daybooks

▲ Daybooks

- Decide if any further granularity of reporting is required. Add new daybooks as necessary and assign to transaction types using Default Daybook Maintenance. Optionally, delete or deactivate any daybooks that are not used.

▲ Daybook Sets

- At least one daybook set is mandatory. Additional daybook sets may be used to facilitate multiple invoice/credit note number ranges. Their use is optional. Daybook sets can be defined for an entire domain or for individual sites. In the latter case, the daybooks sets need to be assigned to the desired sites. Please refer to the *QAD EE Financials User Guide* for more information.

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Mandatory Data 5



Post-conversion Set-up – Mandatory Data

- ▲ Daybooks
 - Daybooks
 - Daybook Sets
- ▲ Security
 - Roles and Permissions
 - Update Domain/Entity/User

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Mandatory Data 5



Security

▲ Roles and Permissions

- Roles and permissions are similar to User Group Maintenance and Menu Security Maintenance in older versions of MFG/PRO for granting access by role.
- Set up notification roles, including e-mail notification, and associated users for customers, suppliers, end users and engineers.

▲ Update Domain/Entity/User

- Grant access by user to entities and domains.

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Mandatory Data 6



Post-conversion Set-up – Mandatory Data

- ▲ Daybooks
 - Daybooks
 - Daybook Sets
- ▲ Security
 - Roles and Permissions
 - Update Domain/Entity/User
- ▲ Tax Periods

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Mandatory Data 7



Tax Periods

- ▲ Tax periods will need to be created from the GL calendar unless the Create Entity Tax Periods parameter for each domain in the Conversion Parameters Utility was set to Yes.

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Mandatory Data 8



Post-conversion Set-up – Mandatory Data

- ▲ Daybooks
 - Daybooks
 - Daybook Sets
- ▲ Security
 - Roles and Permissions
 - Update Domain/Entity/User
- ▲ Tax Periods
- ▲ Reporting Periods

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Mandatory Data 9



Reporting Periods

- ▲ Set up Reporting Periods if Budgeting is used. Report periods are used to mark a specific time span for producing budget reports. Reporting periods are independent of GL periods and tax periods, and can span multiple GL periods across multiple entities.

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Mandatory Data 10



Post-conversion Set-up – Mandatory Data

- ▲ Daybooks
 - Daybooks
 - Daybook Sets
- ▲ Security
 - Roles and Permissions
 - Update Domain/Entity/User
- ▲ Tax Periods
- ▲ Reporting Periods
- ▲ Profiles

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Mandatory Data 11



Profiles

- ▲ The conversion creates the required profiles for each element in a GL transaction. These profiles need to be reviewed to verify they are linked to the correct shared set.
 - Sub-account Profiles
 - Cost Center Profiles
 - Project Profiles
- ▲ Additionally, the account codes for the specialized account profiles need to be reviewed to ensure that the correct default sub-account, cost center and project codes (as well as their associated linked shared sets) are set for each specialized account.
 - Customer Account Profiles
 - Purchase Account Profiles
 - Sales Account Profiles

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Mandatory Data 12



Post-conversion Set-up – Mandatory Data

- ▲ Daybooks
 - Daybooks
 - Daybook Sets
- ▲ Security
 - Roles and Permissions
 - Update Domain/Entity/User
- ▲ Tax Periods
- ▲ Reporting Periods
- ▲ Profiles
- ▲ Configure Daemons

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Mandatory Data 13



Configure Daemons

- ▲ The History and Balance daemons are mandatory for correct operation of the system. The budget and replication daemons should also be reviewed for correct configuration.
- ▲ For more information on system daemons, see *User Guide: QAD System Administration*.

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Mandatory Data 14



Post-conversion Set-up – Non-mandatory Data

- ▲ Accounting Layers
- ▲ Cash Groups
- ▲ Report Structures
- ▲ Taxes
 - Tax Codes
 - Tax Boxes
 - Tax Groups
 - Update Tax Rates
 - Posting Tax Group Update
- ▲ Supplementary Analysis Fields
- ▲ Customer Credit Checking
- ▲ Customer/Supplier Payment Statuses
- ▲ Customer/Supplier Control Accounts
- ▲ Additional Profiles

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Non-Mandatory Data



Post-conversion Set-up – Non-mandatory Data

- ▲ Accounting Layers
 - The conversion creates transient and official layers. Add any additional layers desired such as adjustments, internal reporting, etc.
- ▲ Cash Groups
 - Cash groups are used to group GL accounts for cash flow reporting purposes. Define new cash group(s) for petty cash (as opposed to the bank account(s) for AR, AP and Payroll). Once cash groups have been defined, they must be assigned to the required GL account codes.
- ▲ Report Structures
 - Define any desired new reports.

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Non-Mandatory Data 2



Post-conversion Set-up – Non-mandatory Data

- ▲ Accounting Layers
- ▲ Cash Groups
- ▲ Report Structures
- ▲ Taxes
 - Tax Codes
 - Tax Boxes
 - Tax Groups
 - Update Tax Rates
 - Posting Tax Group Update

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Non-Mandatory Data 3



Post-conversion Set-up – Non-mandatory Data

▲ Taxes

QAD EE has a new concept called Tax Groups. With tax groups (and boxes) the user can set up tax reporting. During normal transaction processing, the application populates the tax transaction with the tax group defined against the tax rate(s)

1. Tax Codes
 - Define any new tax codes needed to take advantage of new functionality such as Suspended/Delayed taxes.
2. Tax Boxes
 - Tax boxes contain the individual elements of a transaction, e.g., Tax Amount and Tax Base Amount, as they are reported in official returns to the authorities.
3. Tax Groups
 - A tax group contains one or more tax boxes

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Non-Mandatory Data 4



Post-conversion Set-up – Non-mandatory Data

▲ Taxes (continued)

4. Update Tax Rates
 - Add any new tax groups define to applicable tax rate(s)
5. Posting Tax Group Update
 - The conversion creates one default tax group. This default is assigned to transactions until the required set-up is defined.
 - This utility updates existing tax transactions with new tax groups added to a tax rate. This allows transaction processing to start without need for tax groups/boxes to be defined.

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Non-Mandatory Data 5



Post-conversion Set-up – Non-mandatory Data

- ▲ Accounting Layers
- ▲ Cash Groups
- ▲ Report Structures
- ▲ Taxes
 - Tax Codes
 - Tax Boxes
 - Tax Groups
 - Update Tax Rates
 - Posting Tax Group Update
- ▲ Supplementary Analysis Fields
- ▲ Customer Credit Checking

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Non-Mandatory Data 6



Post-conversion Set-up – Non-mandatory Data

▲ Supplementary Analysis Fields

- Define any SAF codes and assign to accounts, sub-accounts, cost centers if this level of detail analysis is desired. Please refer to the *QAD EE Financials User Guide* for more information.

▲ Customer Credit Checking

- Customer credit checking is significantly enhanced in QAD EE. To take full advantage of all the new capabilities in this area, the credit checking parameters for should be reviewed to ensure they are set according to the desired behavior for each customer.

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Non-Mandatory Data 7



Post-conversion Set-up – Non-mandatory Data

- ▲ Accounting Layers
- ▲ Cash Groups
- ▲ Report Structures
- ▲ Taxes
 - Tax Codes
 - Tax Boxes
 - Tax Groups
 - Update Tax Rates
 - Posting Tax Group Update
- ▲ Supplementary Analysis Fields
- ▲ Customer Credit Checking
- ▲ Customer/Supplier Payment Statuses
- ▲ Customer/Supplier Control Accounts
- ▲ Additional Profiles

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Non-Mandatory Data 8



Post-conversion Set-up – Non-mandatory Data

- ▲ Customer/Supplier Payment Statuses
 - Review/modify and/or create additional payment statuses for customers and suppliers.
- ▲ Customer/Supplier Control Accounts
 - Review/modify and/or create additional the control accounts for customers and suppliers.
- ▲ Additional Profiles
 - Review/modify any new profiles set up for customer and supplier credit notes and prepayments.

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Non-Mandatory Data 9



Lab 3

CHAPTER 7

Third Activity

Third Activity: Post-Conversion

Set Up Environment

1 Configure Surgient Environment for pre-conversion training

- c Use `setupenv`.
- d Select Option 1 - Conversion Training & Installation

Run Post-Conversion Utilities

Execute the following post-conversion steps on the converted database:

#	Step Name	File Name	MFG/PRO Release
Post-conversion Utilities			
6.1	Fixed Assets Migration Utility	32.25.2 - facvmt.p	8.6e, 9.0
6.2	Table Extension Domain Conversions (2) - Part 2 of 2	5.25.7 - utvdtr92.p or 5.25.8 - utvdt92b.p	
6.3	Sales Order Balance Update	36.16.23.6 - utcsob.p	
6.4	Document Credit Terms Update	36.25.83 - uxdoccrterms.p	
Post-conversion Data Validations			
7.1	System Consistency Check Rept	36.16.23.1 - utsyscon.p	
7.2	Financials Consistency Check	36.16.23.2 - utfincon.p	
7.3	Post Conversion Integrity Check	36.16.23.3 - acinckrp.p	
7.4	Operational Account Structure Validation	36.9.20 - uxacval.p	
Post-Conversion Reports			
8.1	Trial Balance		
8.2	Balabnce Sheet		
8.3	Income Statement		
8.4	Customer Aging Analysis		
8.5	Supplier Agin Analysis		
8.6	Inventory Valuation as of Date		
8.7	Unmatched PO Receipts as of Date		
8.8	Asset Owned Report (Fixed Assets Valuation		
8.9	Open Sales Order Balances		

#	Step Name	File Name	MFG/PRO Release
	Suggested Process Flow & Static data Validation		
9.1	Process Flow Validations		
9.1a	Sales Order - AR Process		
9.1b	Purchase Order - AP Process		
9.1c	Round Trip		
9.2	Static Data Validation		
	Post-Conversion Set-Up		
	Mandatory		
10.1	Structured Reports		
10.1a	Balance Sheet		
10.1b	Income Statement		
10.3	Invoice Status Codes		
10.4	Daybooks		
10.4a	Daybook		
10.4b	Daybook Sets		
10.5	Security		
10.5a	Roles and Permissions		
10.5b	Update Domain/Entity/User		
10.6	Tax Periods		
10.7	Reporting Periods		
10.8	Profiles		
10.8a	Sub-Account Profiles		
10.8b	Cost Center Profiles		
10.8c	Project Profiles		
10.8d	Customer Account Profiles		
10.8e	Purchase Account Profiles		
10.8f	Sales Account Profiles		
10.9g	Configure Daemons		
	Non-Mandatory		
10.11	Accounting Layers		
10.12	Cash Groups		
10.13	Report Structures		
10.14	Taxes		

#	Step Name	File Name	MFG/PRO Release
10.14a	Tax Codes		
10.14b	Tax Boxes		
10.14c	Tax Groups		
10.14d	Update Tax Rates		
10.14e	Posting Tax Group Update		
10.15	Supplementary Analysis Fields		
10.16	Customer Credit Checking		
10.17	Customer/Supplier Pmt Statuses		
10.18	Customer/Supplier Control Accts		
10.19	Additional Profiles		