



QAD Enterprise Edition 2021 Release Notes

September 2021

QAD Adaptive Applications 2021 – Enterprise Edition (QAD 2021 Enterprise Edition, or QAD 2021 EE) includes product changes made between July 6, 2020, and June 24, 2021.

While primarily a maintenance release, QAD 2021 EE provides some new features and enhancements to QAD 2020 EE. For detailed information about individual fixes, see the Product Changes Dashboard under the Product Changes area on QAD’s Online Support Center:

http://tools.qad.com/product_changes/

Note QAD Enterprise Edition is supported by the latest releases of the QAD .NET UI.

Because of the new product direction that began with the development of Enterprise Edition several years ago, some features that existed in earlier versions of the core application are no longer available. See “Additional System Changes and Limitations” on page 4 for information.

Feature Enhancements

The Release Notes describe changes in the following product areas:

- Financials
- Auditing
- Internationalization
- System Administration
- Installation and Conversion

Financials

- There have been slight changes to the Banking functionality to reflect changes that have been made to the Web UI. Some processing fields that were in Process Incoming Bank Files are now available in Bank File Format Maintain. You can also now process incoming bank files by daemon and delete bank files from the system using Incoming Bank File Delete (31.1.14).

Payment Processing Configuration Maint has been simplified and some configuration moved to the backend so that when a payment cannot be found, the system always creates an unallocated banking entry and raises an error message.

- In Supplier Payment Selection Create (28.9.4.1), the Discounts up to field has been renamed to Discounts From. In addition, the Discounts From field must always contain a date before the Ref Due Date. When you select a date in the Ref Due Date field, the Discounts From date is set to seven days earlier than this date.

- A new filter has been added to Supplier Remittance Print (28.9.9.8). The Print By Supplier Payment filter enables you to split the letter by supplier payment for all payment instruments.
- Crystal Reports are now retired. QAD Financials reports are now presented exclusively using QRF. Financial Report Writer is QAD's approach for creating financial statements. As part of the retirement of Crystal Reports, the Report Daemon and the .Net Report Service are also retired. The remaining Crystal Reports have been removed from the menu. These reports are:
 - Budget detail
 - Budget overview
 - Balance Sheet Report
 - Income Statement Report
 - Multi-Column Balance Sheet Report
 - Multi-Column Income Statement Report
 - Columnar Ledger Report
- The Timeout daemon has also been retired.
- In the United States, the Internal Revenue Service (IRS) requires organizations to submit an annual 1099 form on certain kinds of payments to suppliers to track payments between businesses, or between an organization and independent contractors. Beginning with the 2020 tax year, Form 1099-NEC is introduced to report non-employee compensation. As a result, Form 1099-MISC is revised and box numbers for reporting certain income are rearranged.
 - These changes are reflected in the program 1099-Misc Paper Declaration, which is now renamed as 1099 Paper Declaration (29.6.3.13.8). Two new filters, 1099 Report Type and FATCA Filing, have been added.
 - 1099 Electronic Declaration (29.6.3.13.7) has also been updated to enable you to generate electronic files for 1099-MISC and 1099-NEC. Two files for electronic declaration are now always generated. The new fields added to the selection criteria are:
 - Create Test File for MISC
 - Create Test File for NEC
 - FATCA Filing
 - NEC for Prior Year
- The Consumption Tax Report (29.6.2.14) now contains an additional filter allowing you to select multiple layers.
- You can now match canceled credit notes with invoices in Open Item Adjustment Create (25.13.5).
- The ERS Processor now allows you to automatically create invoices with a status of approved. This functionality means that you can skip the supplier invoice approval step, saving much time previously spent manually submitting unapproved invoices for approval.

Auditing

Until now, the system has allowed you to generate audit trail reports against application databases using several criteria such as tables, user IDs, and event dates. Using Audit Trail Report–App DB (36.12.1), you can produce an output file in TXT or XML format. However, these reports are quite technical and can be difficult for business users to interpret.

To meet the need for reports that contain relevant information in an easy-to-read format for business users, a new set of reports is available in this release. Document Audit Trail Reports (36.12.12) are a set of reports that provide specific information for each master data area.



Each report focuses on one main master data table and its related child tables, linking the information in a single layout. For example, the Supplier Audit Report also includes the auditing information for its child tables such as supplier domain data and supplier banking information. Similarly, the Sales Order Audit Report includes information for sales order lines, sales order bills, and the comments associated with the orders and lines.

Each report is based on the QAD Report Framework and allows for filtering audit trail records based on primary keys, event types (create, modify, delete), dates, and the user who performed the change. Each report offers two output layouts, one for Excel and one for a regular report. The reports display audit events for the tables and fields that have been enabled for auditing through Audit Configuration Maintenance (36.12.13.5) on the Enhanced Controls menu. The available reports are:

Report	Menu Number
GL Account Audit Report	36.12.12.1
Business Relations Audit Report	36.12.12.2
Customer Audit Report	36.12.12.3
Supplier Audit Report	36.12.12.4
Customer Invoice Audit Report	36.12.12.5
Supplier Invoice Audit Report	36.12.12.6
Sales (+Scheduled) Order Audit Report	36.12.12.7
Item Master Audit Report	36.12.12.9
Routing Audit Report	36.12.12.10
Product Structure Audit Report	36.12.12.11
Production Order Audit Report*	36.12.12.12
Product Line Audit Report	36.12.12.13
Price List Audit Report	36.12.12.14
Best Pricing Audit Report	36.12.12.15
Distribution Order Audit Report*	36.12.12.16
User Access Audit Report*	36.12.12.17
Role Resources Audit Report*	36.12.12.18

*These reports do not display complete data for audit records created before installing the package containing these reports, because insufficient key field data was captured in previous releases.

Internationalization

EU VAT Number Validation

A new 2021 EE feature supports businesses falling under European Union requirements to check the validity of the Value Added Tax (VAT) numbers of their VAT-registered suppliers or customers for applying VAT exemption.

The EU VAT Number Validation functionality enables you to validate supplier and customer VAT numbers automatically by calling a web service that communicates with the European Commission VAT Information Exchange System (VIES).

Programs on the VAT Number Validation menu (36.5.13) let you set up operating parameters, as well as send requests to the VIES service and report results. Browsers are available to view detailed information and response history.

Note EU VAT Number Validation is also available as an add-on to Enterprise Edition versions 2016 EE and higher.

System Administration

New Cleanup Utility for QAD Workfile

If you have upgraded to 2021 EE from an earlier version, you can run a new utility, Clean LegalDoc qad_wkfl (utclnwfl.p; 7.25.6 or 36.25.9), to delete unneeded Legal Documents records from your database.

The QAD Workfile table (qad_wkfl) is used as a temporary placeholder for data when Legal Documents functionality is used to ensure that required values are applied where needed. In earlier Enterprise Edition releases, blank qad_wkfl records were created even when Legal Documents was not used. The records were never deleted and continued to increase in number. The new utility deletes those stranded records.

The utility is not needed for new installations of 2021 EE because the issue has been resolved and the system no longer creates the unneeded records.

[QAD Knowledgebase article AC-955](#) provides more information.

Installation and Conversion

Running the QAD Reporting Framework on Linux

Optionally, customers can install the QAD Reporting Framework on the Linux machine through Wine. Previously the Reporting Framework server had to be run on a Windows host. By moving the framework to Linux, customers can potentially save money both on hardware and licensing. This functionality can be installed and set up as part of a new install or upgrade to the September 2021 release. Refer to the *Enterprise Edition Installation Guide* and the *QAD Reporting Framework User Guide* for details.

Additional System Changes and Limitations

At this point in the Enterprise Edition product development cycle, differences with earlier releases as well as limitations exist in various areas:

- Not all optional modules and complementary products can be used with the current version. Some of these modules are planned to be available; others may be replaced by a different type of offering.
- Some limitations exist related to technical components such as databases and operating systems.
- Some specific application features that were available in previous releases of the core application are no longer available. In some cases this is intentional; in other cases, plans exist to reimplement the features.
- QAD Financials introduces many new capabilities as well as new Financial concepts. Due to differences in concepts with Standard Edition Financials, a clear function-by-function comparison is not always possible. Certain specific functions of Standard Edition Financials might work differently or not be supported in Enterprise Financials.

Updated Policy Regarding Source Code

Source code licenses for QAD Enterprise Edition are available on a module-by-module basis and priced separately. However, even for customers who do not purchase source code licenses, QAD has historically



made a subset of source available. This includes source for frequently modified reports and inquiries, and excluded transactional programs.

The list of files supplied as part of this free subset of source has changed since Standard Edition. QAD is maintaining the policy of allowing modification of reports and inquiries, but is now applying a stricter criteria to qualify what programs can be modified without purchasing source. As a result of this change, customers may notice that some programs they received in previous releases are no longer available. For example, QAD previously provided *all* include (.i) files—including those not used by reports and inquiries. Delivery is now limited to .i files that are needed by reports and inquiries; for example, frame definitions.

Another change in source code involves Financial source code. The new QAD Financials follows a different development model, and customization of source is facilitated through a customization layer that does not require direct update to the generated source code. Therefore, source for Financials programs is not available for purchase by customers. A small subset of traditional Financial programs that still remain in the Accounts Payable (AP), Multiple Currency (MC), and General Ledger (GL) modules have been moved to the base (OS) module and are available to customers who purchase source for that module.

Windows GUI User Interface No Longer Supported

The Windows Graphical User Interface (GUI) is no longer supported at all. Some programs can only be run in .NET UI; many operational programs can still be run in character, but the full use of the suite requires .NET UI.

Progress Results Files

In QAD Enterprised Edition, a full set of Progress Results files (.qc and .qc7 files) is not provided because customer requirements for reporting vary extensively. Instead, a sample set is provided on the media containing five valid relationships. Users can add more relationships using the Progress Results application to fit their business needs. Refer to the Progress Results documentation or contact QAD Global Services for assistance with adding relationships to the existing QC files.

Support for Optional Modules and Complementary Products

Optional Modules Not Supported in QAD Enterprise Edition

Project Realization Management (PRM)

PRM was removed from the product. It may be restored at a later time pending product management decision regarding enhancing PRM or using another project management solution.

Centralized Order Processing (not planned)

Centralized Order Processing (COP) is not supported in the product, either for sales or purchase orders. Other order management features can be used.

This means that you cannot enter an SO or PO in one domain and process the SO shipment or PO receipt in another domain. However, you can open an SO or PO with the header site belonging to one entity and the line sites belonging to different entities in the same domain. In this scenario, the appropriate cross-company postings are registered.

You can also use Enterprise Material Transfer for cross-domain sourcing of items. QAD Enterprise Edition features enhancements to the EMT functionality that make this method easier to use.



Complementary Products Not Supported in QAD Enterprise Edition

- QAD Manufacturing Execution Workbench (MEW) (unplanned)
- QAD Distributed Order Management (DOM) (unplanned)
- Trade Management (TrM) and APM Medical (unplanned)
- The Planner (unplanned)
- Multi-Level Pegging (unplanned)
- Q/LinQ and DataSync. The features of both these products are now included in QXtend.

Installation and Conversion Limitations

Installation

Service pack only media are not provided. Each release is a full install, although database upgrade utilities are provided.

Conversions

To ensure the highest level of quality and success for customers converting to the QAD Enterprise Edition 2021 release, the participation of QAD or certified QAD partner services is strongly recommended. As a result, the conversions are disabled on the release media to ensure conversion requirements are properly reviewed and planned by QAD prior to any conversion activities.

Operating Systems and Platforms

Support for an Oracle database is not generally available; only Progress database can be used.

Note An Oracle version is available for Early Adopters only.

Performance Tuning

Please consult with QAD prior to implementing a Wide Area Network configuration.

General Limitations

Multiple Databases Not Fully Supported

YAB does not currently support the installation of multiple databases. In addition, the application is limited in the support for multiple databases.

Because of the use of proxies through an App Server to update financial tables, you cannot switch databases if any activity may update financial tables. Currently, this means that a user cannot connect to another database from the UI. The only switching that is allowed is from the low-level DRP and EMT routines where it is known that the resulting updates do not affect financial data.

EMT itself works correctly in both single (cross-domain) and multiple database implementations. When using multiple databases, users must separately log in to the databases; it is not possible to switch between databases from the menu.

GL consolidation between multiple databases is not fully supported.



Some Financial Utilities Not Available

Delete/archive utilities are planned. Other utilities will be created as needed.

Handling of Euro Conversion Deferred

The programs for converting a currency to the Euro have not been updated to work with the Enterprise Financials. This will be addressed when a need for such conversion exists.

Financial Source Not Available

Since QAD Financials uses a new component-based methodology, they cannot be modified in the way traditional MFG/PRO programs were customized. Source code for the financial modules is no longer provided. Customization templates can be used to add business logic to existing Financial programs without making invasive code changes. Documentation of the source code required for creating APIs is supplied in HTML format. Customization features will be expanded in future releases to support additional features such as including new tables or new components.

System Cross-Reference Not Available

Earlier versions of QAD ERP applications provided a system cross-reference that let you see where tables, fields, and programs were referenced. This feature is no longer available, since it did not apply to the new component architecture.

Internationalization Features

Support for country-specific requirements is being addressed in each release of QAD Enterprise Edition. Many of these features that were previously provided as localization or partner offerings are now being provided as generic features of the product.

For a complete list of internationalization features and planned country support, see the QAD Support Web site.

