

QAD Enterprise Edition 2019 Release Notes

QAD Enterprise Edition 2019 includes product changes made between June 20, 2018, and July 1, 2019.

Note Starting in September 2019, the new name for QAD’s complete portfolio of products is QAD Adaptive Applications. Additionally, QAD Adaptive ERP is the new name for QAD’s flagship ERP solution. QAD Adaptive ERP includes the functionality previously associated with QAD Cloud ERP and QAD Enterprise Applications - Enterprise Edition, plus the QAD Enterprise Platform and Adaptive UX which resulted from the Channel Islands program. Going forward, the terms QAD Enterprise Applications, QAD Cloud ERP, and Channel Islands will be deprecated but will remain in previous documentation and training materials. QAD’s intention is to—as soon as possible—eliminate the use of the deprecated terms going forward.

This release contains new features and enhancements as well as fixes that resulted from maintenance activities. 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/

The Release Notes describe changes in the following areas:

- Financials Enhancements
- Internationalization Enhancements
- Manufacturing/Supply Chain Enhancements
- Installation and Conversion Updates

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 5 for information.

Financials Enhancements

Daybook Summarization Maintenance

You can use Daybook Summarization Maintenance (25.8.6) to set the level of operational transaction summarization at daybook level. First, select a range of daybooks. Next, specify if you want to update all the daybooks in the range on this page or whether you want to specify the level of summarization at daybook level. The next page enables you to set a summarization level at daybook level. For the changes in this program to take effect, Summarized Journal must be selected in Inventory Accounting Control (36.9.2).

AP/AR Chronological Numbering Check

In the prior release, Chronological Invoice Numbering was a standard field in the Invoice Numbering tab of Domain Modify (36.1.1.1.2) that was effective for both supplier and customer invoices. Now, there are two separate options:

- AR Chronological Invoice Numbering
- AP Chronological Invoice Numbering

These fields allow you to turn chronological invoice numbering on or off for supplier invoices and customer invoices independently. For example, select “Error on Non Chronological Number” to display an error when an invoice is created with a posting date earlier than an already existing supplier or customer invoice in the same daybook. Select “Warning on Non Chronological Number” to display a warning rather than an error.

Multiple Control Accounts

Use the Control Account field in Customer Create (27.20.1.1) and Supplier Create (28.20.1.1) to update the default account in the Control GL Profile for invoices or credit notes. The CI and SI Posting tabs display the account updated in the Control Account field. This field is hidden by default but can be added using design mode. If the Control Account field is blank, the default account will be used for generating the posting. Only customer or supplier control account types can be entered in the Control Account field. Postings for the invoice use the control account entered here instead of the control account determined from the profile stored on the customer or supplier record. The Control Account feature is supported for all types of invoices except:

- Finance Charge
- Prepayment
- Adjustment types of invoices

Paying Suspended/Delayed Taxes

This report shows the invoices subject to suspended/delayed tax, payments, and the resulting movements from suspended/delayed tax accounts to the final tax accounts. Two new tables have been added to the schema; one for storing data related to suspended tax and the other for delayed tax.

Split Payments

It has always been possible in QAD EE to pay an invoice partially to different supplier bank accounts, using different own bank accounts. However, in some countries there is a legal requirement to pay the tax amount to a regulated bank account. This is an account under control by both the supplier and the tax authorities. You can now:

- Mark a supplier as subject to split payments.
- Indicate that a bank account is regulated.
- Automatically split the payment into the base amount and the tax amount upon invoice creation. The tax amount needs to be paid from an own regulated bank account to the regulated bank account of the supplier.

GL Transactions By Account Report

The GL Transactions by Account report now displays amounts in all currencies.

Revenue Recognition Updates

When creating a revenue contract, the Version Valid from field enables you to choose any valid date. However, when modifying a revenue contract the Version Valid from field is now a list that displays all versions of the contract. Also, when you modify an existing contract and you click Save, a window is displayed with the proposed version date. You can edit the date, subject to certain validations.

In Revenue Contract Opening Balance (37.1.25), the Delete field in the grid now enables you to delete an opening balance, as long as revenue calculation has not run on the contract.

Internationalization Enhancements

Withholding Tax

Use Withholding Tax Modify (29.15.8) to modify withholding tax records. The menu initially displays a browse with tax records. For a tax record to be displayed, the user must have access to the entity containing the tax record, and the entity must belong to the same domain from which you run Withholding Tax Modify.

When you select a WHT record, a modify screen is displayed where you can edit two fields: Additional WHT Number and Remarks. Withholding Tax View (29.15.9) displays the same fields as Withholding Tax Modify, with all fields being read-only.

These menus are license controlled and available for Thailand licenses.

ERS Control

Two new fields have been added to ERS Control (28.10.24):

- Use the ERS Invoice Create Option field to stop the ERS Processor from creating invoices when the PO Header site does not belong to the current entity (the entity where the ERS Processor is run). Enter “2” in this field to stop the invoices from being created. Enter “1” in this field for the ERS Processor to continue creating these invoices. This functionality covers the legal requirement in some countries, such as Brazil, where Intercompany postings are not accepted in supplier invoices. The invoice needs to be created in the entity that raised the PO or incurs the costs.
- When you select the ERS Receipt Based Invoicing field, supplier invoices are created with Posting Date matching the Effective Date in Purchase Order Receipts (5.13.1).

Manufacturing/Supply Chain Enhancements

Periodic Costing Statutory Currency

Periodic Costing now supports the use of statutory currency.

Note You specify the use of statutory currency for a domain in QAD Financials; see *QAD Financials User Guide* for more information.

When statutory currency is enabled for the domain, the system now prompts you to enter the name of the Statutory cost set in the following programs:

- Periodic Costing Initialize (30.5.1.23)

You have the option of entering a current cost set, standard cost set, or simulation cost set when you enter a statutory cost set. When you do not have statutory currency in use, the system does not prompt you to enter the statutory cost set name and defaults the base currency cost set name. The base or statutory cost set is used as the basis for costs when you begin to use Periodic Costing.

- PC Work Center Rate Maintenance (30.5.3.1)

When you specify that the system use statutory currency, Periodic Costing calculates, stores, and reports item costs in base and in statutory currencies, if defined, for each period.

You can enter a statutory currency cost set in this program by entering the name in the Cost Set field. When you enter a statutory currency cost set, the system maintains labor and burden rates or total amounts for labor and burden for each periodic cost period in statutory currency when Periodic Costing is enabled in Periodic Costing Control.

Note When you enter a statutory cost set, you must enter both base and statutory rates. When you enter a base cost set, you only enter base rates.

- PC Adjustment Menu (30.5.5) Programs

You can now specify a statutory currency in Unit Cost Adjustment (30.5.5.1), PC Total Cost Adjustment (30.5.5.2), WO Component Cost Adjustment (30.5.5.13), and WO Operations Adjustment (30.5.5.14).

When statutory currency is enabled for the domain, the system now prompts you to specify statutory currency in these programs. Once you specify the currency, the currency type cost set displays in the adjustment programs. When you do not have statutory currency in use, the system does not prompt you to select statutory currency and defaults base currency as the selection; then the base currency cost set displays in this program.

The system validates accounts, supporting either the base or statutory currency, based on your selection of the currency type. Amounts are saved as either base or statutory fields within system internal tables.

Serialization

The following enhancements have been made to the Serialization functionality in 2019 EE:

- Serialization Control (3.17.24)

The Activate Allocation/Picking for Serialization panel, which contains two new fields (Ship From and Active), has been added to Serialization Control (3.17.24). This panel allows users to define if serialization is activated for the shipping process, either for the whole domain or for specific sites. When using Picklist/Pre-Shipper Automatic (7.9.1), the settings in this panel determine whether detail allocations are processed traditionally (directly picked) or if they are processed with serialization (detail allocated only). When serialization is enabled, picking is done using the specific Picking/Pack Build functions.

For example, users can determine that only a few specified sites will have the serialized shipping process activated while all other sites will process allocations traditionally. This allows customers who are new to serialization to use serialization gradually, by site instead of by domain. Conversely, users can also determine that only a few sites will process allocations traditionally while all other sites will have the serialized shipping process activated.

- The Address field was added to the following programs to give users the ability to generate specific serial ID ranges based on a specific ship-to/sold-to address:
 - Pack Create by Production Line (18.22.7.1)
 - Pack Create by Work Orders (16.15.2)
 - Pack Split (3.17.16)

Previously, if a user needed to print labels for a specific production order, there was no direct link from the label to the sales order or to the sold-to/ship-to for the production order. Now, if the destination is known and the customer expects customer-specific labels using a custom-specific serial ID range, users can select the specific address code to ensure that serial IDs get generated for the desired serial ID range.

Another use case is the need to have different serial ID ranges by production line. For example, some production lines were integrated with an MES system where the serial IDs were imported, while for other lines, internally generated serial IDs were used. By defining the production line codes as

addresses, users can now enter a specific address code, which refers to the production line, to generate production line specific serial IDs.

Another use case is when goods are picked for a specific SO Pre-Shipper. When the quantities to pick are smaller than a pack size, a user can perform a pack split or repack transaction to generate a new pack for the exact quantity to pick. Previously, that transaction was not related to that specific SO Pre-Shipper. Now, when using the Pack Split transaction during the picking process, users can enter a specific address code to generate a specific serial ID based on the ship-to/sold-to address. This ensures that the serial ID range that is used is specific for this sold-to/ship-to.

Other Manufacturing/Supply Chain Enhancements

Schedule Comparative Enhancements

Supplier and Customer Schedule Comparative programs were enhanced with new colors that display when plan and ship variance percentages exceed the threshold. Exceeding the variance percentage now triggers the following color changes as per the requirement quantity for the date:

- Pink: This color highlights a critical out-of-tolerance condition. The % change between the current value and the value from the same date on the previous release is greater than the Variance %.
- Yellow: This color highlights a warning out-of-tolerance condition. The -% change between the current value and the value from the same date on the previous release is greater than the Variance %.
- Red: This color indicates an out-of-tolerance condition.

The new colors display in both .NET UI Supplier Schedule Comparative Extract, Schedule Comparative Extract, and Schedule Comparative (7.5.11) and Web UI Supplier Schedule Comparative and Customer Schedule Comparative.

Installation and Conversion Updates

- QAD Enterprise Edition 2019 requires OpenEdge 11.7.4 and YAB 1.9.
- QAD Enterprise Edition 2019 installations are limited to RedHat and CentOS operating systems. See the Compatibility Guide on the QAD Store for more details on supported operating systems:
<https://store.qad.com/content/compatibility-guide>
- QAD Financials is now distributed as an application, enterprise-financials-app. This enhancement consolidates the individual packages that comprise a Financials release into one file, which makes installations more straightforward and less prone to error due to keyboarding mistakes.

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 2019 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.

