

QAD .NET User Interface Release Notes

Updated April 2016

These release notes include information about QAD .NET UI for QAD Enterprise Applications 2016 – Enterprise Edition (QAD .NET UI 3.2).

Review this document *before* proceeding with any phase of a QAD .NET UI implementation.

These release notes include the following sections:

Installation and Configuration Information **2**

Application Changes **7**

Reporting Framework Source and Samples on QAD Store **8**

Programs in Terminal Mode Only **8**

Installation and Configuration Information

The following summarizes installation and configuration changes for this version of the QAD .NET UI.

For information on the QAD .NET UI release history, see the *Product Compatibility Guide*, available from the General Reference section of the QAD support site (<http://support.qad.com>).

The QAD Document Library (<http://documentlibrary.qad.com>) offers a complete set of all QAD user guides, training guides, and other materials.

Note If upgrading from a previous version, be sure to review the release notes for the versions between your current version and this version.

Enterprise Applications YAB Console

QAD Enterprise Applications is now installed using the QAD YAB Installer and is managed using the YAB Console. YAB is a deployment and management tool set that covers all products installed into an Enterprise Edition environment, including the QAD .NET UI. YAB is automatically installed during the QAD Enterprise Edition installation.

QAD .NET UI Client Installation

Installation of the QAD .NET UI client is now managed with the YAB framework. The steps to install the client on a Windows machine simply require you to specify the QAD Home URL in a browser and then you are guided through the setup by the QAD Enterprise Applications Setup Wizard, which has replaced the InstallShield-based setup screen. For more information, see the “Installing the QAD .NET UI” chapter in *QAD Enterprise Edition Installation Guide*.

Cumulative Patch Information

Important Before installing the QAD .NET UI, be sure to go to the QAD Store (<http://store.qad.com>) to check for the latest cumulative patch for this version of the QAD .NET UI. You must install the patch after installing the QAD .NET UI.

Release Summary

QAD .NET UI Version: 2016 EE (3.2)

Product Versions: QAD Enterprise Applications 2016 – Enterprise Edition

Microsoft .NET Framework Version: 4

Microsoft .NET Framework 4 must be installed on client machines. You can download and install it from the Microsoft Download Center (<http://www.microsoft.com/en-us/download/details.aspx?id=17851>).

Tomcat Versions: 7.x

Operating System: The QAD .NET UI client runs on Windows 7, 8.1, and 10 (Desktop Mode). The QAD .NET UI can run on 64-bit Windows, but only in 32-bit mode.

Microsoft Internet Explorer Version: 11.

The Connection Manager SSH implementation uses the jSch component by JCraft, Inc., distributed in accordance with the license agreement (<http://www.jcraft.com/jsch/LICENSE.txt>).

Supported Languages

The user interface supports the following languages in this release:

Chinese (Simplified)	English (US)	Italian	Portuguese (Brazilian)
Chinese (Traditional)	French	Japanese	Spanish (Castilian)
Dutch	German	Polish	Spanish (Latin American)

The following languages have some support, but new terms added in this release may appear in English:

Bulgarian	Greek	Norwegian	Slovenia
Czech	Hungarian	Romanian	Swedish
Danish	Korean	Russian	Turkish
Finnish	Lithuanian	Slovak	Ukrainian

Georgia SoftWorks Windows SSH or Telnet Server Installation

The QAD .NET UI uses an SSH or telnet server for two purposes:

- On the database server, it is used to run a pool of sessions that support maintenance programs, reports, and inquiries.
- It enables the client terminal interface for programs that only run in terminal mode (see “Programs in Terminal Mode Only” on page 8) as well as any custom programs that do not conform to QAD programming standards.

As of the QAD .NET UI 2013 release, the QAD .NET UI now supports secure shell (SSH) as well as telnet. You can use either SSH or telnet; the default is now to use SSH. Typically, the SSH or telnet server runs on a UNIX (or Linux) machine. If you plan to use a UNIX machine for the SSH server, QAD recommends using the SSH daemon, which comes standard on all UNIX distributions. If you plan to use a UNIX machine for the telnet server, you can use the default telnet service provided with the operating system.

If you want to run the SSH or telnet server on a Windows machine rather than a UNIX (or Linux) machine, use the Georgia SoftWorks (GSW) SSH Server or Telnet Server. This software is not included on the QAD .NET UI installation media: you must download the latest version of the software to obtain the most recent patches and functionality from Georgia SoftWorks:

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

For the Georgia SoftWorks SSH Server, see:

http://www.georgiasoftworks.com/products/ssh2/ssh2_server.php

For the Georgia SoftWorks Telnet Server, see:

<http://www.georgiasoftworks.com/products/uts/overview.php>

Refer to the Georgia SoftWorks documentation for installation information as well as software and system sizing requirements.

The Georgia Softworks Power Features pack provides a session monitor, which is helpful for troubleshooting connection issues.

Registering the Georgia SoftWorks Software

To register the software, you provide a product ID to Georgia SoftWorks so that a serial number can be generated for your product. The serial number identifies server hardware and software components. If these components change or are upgraded, contact Georgia SoftWorks about generating a new product ID and serial number.

Important If you need to reinstall or are planning to move your installation to a different platform, or if you are a sales agent or a distributor, include that information on the registration.

- 1 Select the Registration icon from the program group in the Start menu.
- 2 In the Georgia SoftWorks Product Registration window, enter your customer information. The information that displays in the Product Information section is system-generated.
- 3 Set Sessions Requested to 100. This is the number QAD automatically supplies with your registration.
- 4 Choose Save to File to save this information, or choose Print. Then, follow the appropriate step to supply the product ID to Georgia SoftWorks:
 - a E-mail the saved registration form file to Georgia SoftWorks at:
registration@georgiasoftworks.com
When your form is received, a serial number is generated for your product and is returned to you by e-mail.
 - b FAX the printed registration form to Georgia SoftWorks at 706-265-1020. When your form is received, a serial number is generated for your product and is returned to you by FAX.

When you receive your serial number, return to the Georgia SoftWorks Product Registration window and enter it in the appropriate field in the registration form. Click Register.

New Process Map Color Design

Starting with this release, the process map node style colors and supporting images have been updated. The new design is based on research to provide an optimal user experience.

The new 2016 node styles include the following options from Style Properties in the Process Editor:

- 2016 Deliver
- 2016 Design
- 2016 Enable
- 2016 Engage
- 2016 Financial
- 2016 HR
- 2016 Make
- 2016 Node
- 2016 Node2
- 2016 Plan
- 2016 Service
- 2016 Setup
- 2016 Source
- 2016 Warehouse

The updated images include:

- Customer.png
- Plant.png
- Supplier.png
- Supplier_truck.png
- ThirdParty_1.png

Note If using the Process Editor and you get an error message (XAML Parse Error -- Message: Cannot find a resource with the Name/Key Style_Node2011) while previewing a map, please check the following Knowledgebase article: <https://knowledgebase.qad.com/kmp/article/AB-00563/>.

Process Viewer and Internet Explorer Settings

If the fill color on process map nodes displays as black, be sure that Internet Explorer is set to use the default settings. On Internet Explorer, open Internet Options, open the Advanced tab, and click Reset to reset Internet Explorer's settings to their default condition. After you have reset Internet Explorer, be sure to clear the IE browser cache. Finally, reset the process map display on the QAD .NET UI from Administration – Process Admin by clicking the Refresh button.

Process Maps Installation

The process maps are delivered separately from the QAD .NET UI. The process maps for QAD Enterprise Applications 2016 – Enterprise Edition are included with the QAD 2016 EE release media and are available on the QAD Store (<http://store.qad.com>). The process map components (including the viewer and editor) along with the process map content are included as part of the overall installation process for the product. However, you should then check the QAD Store to get the latest process map content.

Process Map Configuration Settings

The process map viewer, editor, and related components are located on the home server as a stand-alone web application named pronav (tomcat/webapps/pronav). The following settings in the client session configuration file (client-session.xml) specify the default configuration:

```
<!-- Process map settings -->
<ProcessMapBaseUrl>${DesktopProtocol}://${DesktopHost}:${DesktopPort}/pronav</ProcessMapBaseUrl>
  <qad.url.process.editor>${ProcessMapBaseUrl}/ProcessEditor.jsp</qad.url.process.editor>
  <qad.url.process.viewer>${ProcessMapBaseUrl}/ProcessViewer.jsp</qad.url.process.viewer>
```

Previously, the process viewer and editor were in /tomcat/webapps/<environment> and the process map content was in /tomcat/webapps/<environment>/WEB-INF/pronav.

Now process maps are included in an environment named pronav (/tomcat/webapps/pronav) by default. A benefit of this approach is that you can now define a single process map installation that can be shared across multiple environments.

Note The configuration setting for the process map images (QAD_IMG), set in Administration > Process Admin, now requires a fully qualified domain name. The settings now include a QAD_PMAP_ROOT setting to specify the URL to the process map installation (<http://server.domain.com:port/pronav/>) and then the QAD_IMG setting is {QAD_PMAP_ROOT}images/.

HTML5 Process Maps and Internet Explorer

The Process Viewer and Process Editor support HTML5.

Computers running the QAD .NET UI 2016 EE client should be upgraded to use Internet Explorer 11 with Windows 7, 8.1, or 10.

You can identify the URL for the Process Editor by choosing Help | View Configuration and searching for “process” to find the URLs for both the Process Editor and Process Viewer. The Process Editor URL will typically have the format `http://server.domain.com:port/pronav/ProcessEditor.jsp`. Enter this URL in the browser that supports HTML5.

Easy On Boarding and Integrated Customization Toolkit Process Maps

Process maps now include additional maps for Easy On Boarding (EOB) and the Integrated Customization Toolkit (ICT).

Easy On Boarding, available as a QAD Services engagement, simplifies the implementation process by populating most standard data and configuring standard processes. Companies can adjust both data and processes later, but the process streamlines the implementation tasks. For more information about Easy On Boarding, contact QAD Services.

The Easy On Boarding process maps are organized into industry verticals including Automotive, Life Sciences, Industrial, Electrical, Consumer Products, and Food and Beverage. Nodes on the maps include links to Easy On Boarding training, documentation, and other attachments that are provided during a QAD Services engagement.

You can only access the Easy On Boarding attachments if you have a QAD Services engagement for QAD Easy On Boarding.

Note The location of the Easy On Boarding attachments is specified by the Attachments setting on the Administration | Process Admin – Process Properties screen. If you do not have a QAD Services engagement and you try to access the attachments from a process map node, you will get a “file not found” error message. However, if you set Attachments to `ProcessViewer.jsp?ProcessName=eob_attachments&f=`, a process map displays instead that lets you know you can only access the attachments if you have a QAD Services engagement.

Internet Explorer and QAD .NET UI Client Installation

Warning The 64-bit version of Internet Explorer does not install the QAD .NET UI client, even if you are running Internet Explorer as an administrator. You must use the 32-bit version of Internet Explorer (typically located in `C:\Program Files (x86)\Internet Explorer\iexplore.exe`) to install the QAD .NET UI client. A situation in which this is likely to occur is when a user inadvertently creates a shortcut to the 64-bit version of Internet Explorer rather than the 32-bit version, and then uses that shortcut to launch Internet Explorer.

Reporting Framework Sample Reports

When upgrading from a version of the QAD .NET UI earlier than 2.9.4 where the Reporting Framework included six sample reports, note that the six reports have been removed in the newer versions. If you keep the previous menu system data, and the AppServer has the upgraded version without the .p programs (proxies) for the sample reports, you get an error when you launch the reports from the menu. If you no longer need these reports, you can delete them from the menu system using Menu System Maintenance. If you would like to continue to use these sample reports, you can copy the six proxy programs from your previous system to the new system and compile them. Alternatively, delete them from the menu system, and then install the six sample reports included on the Reporting Framework Source CD, following the instructions included with the CD, which is available for download from the QAD Store (see “Reporting Framework Source and Samples on QAD Store” on page 8).

Configuring Business Intelligence (BI) Portal for Dashboards

This release of the QAD .NET UI includes Dashboards, which bring together browses, web pages, business intelligence, and metrics within panels. If you have QAD Business Intelligence (BI) 3.9 or later, you can include BI panels on dashboards. To have the QAD .NET UI communicate with BI, you need to specify the URL for accessing the BI portal in the client session configuration (`client-session.xml`) file's `<BI.Dashboard.URL>` setting. The BI portal must be accessible to allow BI panels to be available on dashboards. (If the BI portal is not accessible, the BI panel option will not be available on Dashboards | Create Dashboard.) The setting in `<TomcatHome>/webapps/qadhome/configurations/<environment>/client-session.xml` is:

```
<BI.Dashboard.URL>http://ip_address_of_BI:port_number/qadbi</BI.Dashboard.URL>
```

In addition, to access the BI portal, the login/password for the QAD .NET UI client must match the login/password for the BI portal.

Operational Metrics for Dashboards

Dashboards can include operational metrics if they are available on your system. QAD provides the Operational Metrics functionality with an active maintenance contract, and a term license key applied to the QAD Enterprise Applications product (see https://support.qad.com/license_keys/activemaintenance). For more information, contact QAD Support.

Application Changes

Document Attachment Applications Maintenance

In the QAD .NET UI, Document Attachment Applications Maintenance specifies how attachments are stored:

- If no Application ID is specified (the Application ID field is blank), the QAD .NET UI uses the home server default for storing attachments.
- If the Application ID is `mfg` and the Repository Type is `webdav`, the QAD .NET UI uses WebDAV for storing attachments under the URL specified in the Repository field.

Additionally, for implementations of QAD Enterprise Applications with the QAD Reference Architecture (QRA) that are using the QAD Web UI (Channel Islands UI):

- If Application ID is `mfg` and the Repository Type is `qra`, the QAD .NET UI uses a web service for storing attachments with the URL specified in the Repository field.

With this approach, attachments to programs in the QAD .NET UI can be associated with QAD Web UI views (and vice versa). Note that this is only available if you are using the QAD Web UI with your implementation. For more information, see the QAD Web UI documentation.

Note Changing the location (as specified in the Repository field) requires that the directory under the previous location be copied to the new location; otherwise, the files cannot be accessed.

Dashboard Changes

Manufacturing

For March 2016, the Manufacturing dashboards have been updated as follows:

Two new days-on-hand operational metrics were added to manufacturing dashboards:

- Inventory Days On Hand
- Aggregated Days on Hand by Commodity

The Inventory Days on Hand operational metric shows days on hand computed for each item in inventory based on current inventory and future demand for an item-site combination. The metric is linked to the Inventory Days on Hand metric browse that displays the inventory days-on-hand total and less than 10, between 10 and 50, more than 50, and no demand.

The Aggregated Days On Hand by Commodity operational metric shows a system-defined aggregated value for all items with the same commodity code. The values are based on running build days on hand. The metric is linked to the Inventory Days on Hand metric browse that displays the days on hand by commodity total, less than 10, between 10 and 50, and more than 50.

The two new operational metrics display in the following manufacturing dashboards for 2016 Enterprise Edition:

- Master Scheduler
- Production Material Planner
- Purchasing Material Planner

No changes were made to the Buyer/Negotiator, Production Scheduler, Shop Floor Controller, Shop Floor Operator, Inbound Material Handler, or Outbound Material Handler dashboards.

Reporting Framework

Reporting Framework Source and Samples on QAD Store

The Reporting Framework Source and Samples download (Reporting Framework Source CD) is available from the QAD Store (<http://store.qad.com>). The download contains sample reports, templates, and portions of the Reporting Framework's Progress code that are relevant for Progress data source developer usage. This does not include the source code of the data source programs used by the hundreds of new reports that have been developed recently using the framework; it only includes the generic pieces that are part of the framework itself. The download also includes documentation, coding tools, and examples for using the Scheduled Report and Run Report APIs, which allow developers to write applications to schedule or run reports.

Programs in Terminal Mode Only

Some programs are only available in Terminal mode, which emulates the Character UI within the QAD .NET UI. You navigate the program in the same way as in the Character UI. The following programs are only available in Terminal mode:

- Accounts Not To Convert Maint
- AP Integrity Report

- Archive File Reload
- Call Queue Manager
- Change Deferred/Accrued Accounts
- CIM Data Load Process Monitor
- Combined Integrity Checks
- Compile Programs
- Convert Ship Qty in Ship UM
- Count Program
- Create Records for Printer Output
- Database Connect
- Database Disconnect
- Database Table Size Inquiry
- Debug CIM Document
- Dump Export/Import Doc for Edit
- End User Time Zone Change Util
- Escalation Monitor
- Exit to Operating System
- Export/Import Document Query
- Field Eligibility Maintenance
- Fixed Asset Maintenance
- Fixed Assets Integrity Report
- GL Integrity Report
- GLRW Mismatch A/C Code
- Initial Euro Exchange Rate Copy
- Inventory Integrity Report
- License Registration
- Multiple Time Zones Startup Util
- PO Integrity Report
- Process Import Documents
- Program Level
- Program/Text File Display
- Receive Import Documents
- Reload Edited Export/Import Doc
- Required Ship Schedule Update
- Send Export Documents
- Sequence Maintenance
- Server Time Zone Change Util
- Set Multiple BOL Print Utility
- Ship-From to AR
- Trading Partner Library Load

- Trading Partner Library Unload
- WIP Integrity Report