

QAD YAB 1.8 Release Notes

November 2018

These release notes include information about the latest YAB fixes and changes. These changes may affect the way you implement and use YAB.

QAD highly recommends that you implement the latest YAB release available. Check the QAD Web site to ensure you have the latest release notes, administration guide, and installation media:

<https://support.qad.com>

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Release Notes for the Current Release

YAB: 1.8

Date: October 2018

QAD Enterprise Applications Versions: Enterprise Edition 2015, 2016, 2017, and 2018 when installed with Channel Islands 2018 — San Miguel 2.

Special Consideration

YAB 1.8 is a limited release and only available for Channel Islands — San Miguel 2 and TAM 2.4 installations.

Upgrade Instructions

To install YAB 1.8, enter:

```
yab install yab-ee-image-[VERSION].zip
```

For all other installation information, see the most recent edition of the *QAD Enterprise Edition Installation Guide*.

New Feature Summary

Separate Operational and Financial Upgrades

You can now independently upgrade the versions of QAD Enterprise Financials and QAD Enterprise Edition. This allows you to upgrade QAD Enterprise Edition after a backward compatible installation of QAD Enterprise Financials. Review the latest *QAD Enterprise Edition Conversion Guide* for additional details.

Channel Islands Release Image

YAB supports the installation of the Channel Islands App release image.

New Channel Islands Technology Changes

YAB supports new Channel Islands technologies, including Apache Spark and Cassandra. YAB's backup capabilities now include support for backing up Cassandra databases.

Support for Resolving Schema Area Changes

A new YAB `database-storage-area-resolve` command supports the movement of database tables between schema areas. See the *QAD Configuration and Administration Guide YAB 1.8* for more information.

Minimal TDE Support

YAB supports the execution of a yab update in an environment with OpenEdge TDE configured, and supports the backup of OpenEdge databases with OpenEdge TDE configured.

Prepared Contexts

You can now prepare an update in a prepared context using the `-c` option, which uses system resources but has no other impact on the environment. See the *QAD Configuration and Administration Guide YAB 1.8* for additional details.

QAD Platform Development Features

YAB supports the development of QAD Platform Apps in a YAB environment. See the *QAD Enterprise Platform Training Guide* for more information.

Release Enhancements and Customer-Reported Issues Resolved

The following enhancements have been added and customer-reported issues have been resolved in this release.

Enhancements

Table 1 Enhancements for YAB 1.8

QAD Issue	Summary
RFRD-5121	New property <code>fin.api.timeout</code> added and defaulted to 60 minutes. If the default of 60 minutes is removed and the property is not defined, the timeout then defaults to 0 (wait forever). The property applies to daemon control, <code>fin-sync</code> , and <code>languages-mark-installed</code> processes.
RFRD-5960	Added <code>-config-restore</code> option to restore configuration files from a backup. See the “Restore Configuration” section in the <i>QAD Configuration and Administration Guide YAB 1.8</i> for additional details.
RFRD-6095	Improved documentation of options provided by YAB client.
RFRD-6294	Improved support for upgrading the OpenEdge patch version in an existing environment.
RFRD-6389	New configuration instance <code>directorybackup</code> introduced to support the configuration of directories to back up. These <code>directorybackups</code> are included in environment backups.
RFRD-6424	Ensure consistent <code>mfsubdirs.i</code> file is used in all compiles.
RFRD-6443	Introduced new <code>client-install</code> command to support upgrading the YAB client.

Fixes

Table 2 Fixes for YAB 1.8 (1 of 2)

QAD Issue	Summary
RFRD-2341	You can now use special characters in QXtend Tomcat user password.
RFRD-2930	You can use <code>Progress -v6colon</code> parameter when compiling code.
RFRD-3099	You can now update QXtend connection pool settings through YAB configuration.
RFRD-3961	Users can control the values of <code>PROTERMCAP</code> and <code>PROMSGS</code> as environment variables for use in client scripts.
RFRD-4637	Browse timeout settings in <code>client-session.xml</code> can be configured using YAB: <ul style="list-style-type: none"><code>netui.client.browse.notification.timeout.INSTANCE.browseid</code><code>netui.client.browse.notification.timeout.INSTANCE.warn</code><code>netui.client.browse.notification.timeout.INSTANCE.cancel</code> Additionally, global settings can be configured using YAB: <ul style="list-style-type: none"><code>netui.client.browse.notification.warn</code><code>netui.client.browse.notification.cancel</code>
RFRD-5142	Users can start database servers with non-UTF-8 codepages.
RFRD-5762	QXtend patch and customization directories are now created by default.

Table 2 Fixes for YAB 1.8 (2 of 2)

QAD Issue	Summary
RFRD-5888	QXtend adapter code (qxtadpt) is now included in the MFG customization propath.
RFRD-6010	Fully support upgrade of QAD .NET UI version.
RFRD-6216	Support locking in client batch script.
RFRD-6223	The CSS version number is updated when upgrading YAB.
RFRD-6409	The interrupt signal (ctrl-c) in client-qxtend script is now supported.

Release Notes for YAB 1.7

YAB: 1.7

Date: March 2018

QAD Enterprise Applications Versions: Enterprise Edition 2015, 2016, and 2017 when installed with Channel Islands — San Miguel 1.

Special Consideration

YAB 1.7 is a limited release and only available for Channel Islands — San Miguel 1 and TAM 2.3 installations.

Upgrade Instructions

To install YAB 1.7, enter:

```
yab install yab-ee-image-[VERSION].zip
```

For all other installation information, see the most recent edition of the *QAD Enterprise Edition Installation Guide*.

Customer-Reported Issues Resolved and Release Enhancements

The following customer-reported issues have been resolved in this release.

Enhancements

Table 3 Enhancements for YAB 1.7 (1 of 2)

QAD Issue	Summary
RFRD-900	The QXtend application ID can be configured with the <code>qxtend.qxo.config.source.app</code> setting.
RFRD-1990	Data is loaded while the database is running to allow the AI archiver the opportunity to manage AI extents.
RFRD-2157	CSS configures the <code>web-disp.p</code> and <code>web-util.p</code> files for QAD CSS version 5.4.4 and later.
RFRD-2346	The <code>database-auditing-archive</code> command archives audit records in three steps. <ul style="list-style-type: none">• Dump audit records from source database• Load dumped records into audit database• Delete dumped records from source database There are also new options for archiving records.
RFRD-2464	Only files that end in <code>.properties</code> are read under <code>build/config/system</code> . No other files are allowed.
RFRD-2465	Added a new <code>qxtend-connection-manager-update</code> command to update QXtend connection pool settings.
RFRD-2499	IDXFIX is used instead of IDXBUILD to rebuild indexes when AI is enabled.
RFRD-3147	A snapshot of the schema is recorded within <code>build/work/dev-schema</code> each time it changes.
RFRD-3148	The <code>dev-schema-diff</code> command provides a way to show pending schema changes as well as schema changes that were manually applied.
RFRD-3669	A new <code>command-help</code> command shows help only for commands and a new <code>config-help</code> command shows help only for configuration settings.
RFRD-4116	Introduced new <code>database-INSTANCE-schema-locate</code> commands to locate the schema files that distribute schema for a table or sequence.
RFRD-4563	Added new <code>database-log-truncate</code> and <code>database-INSTANCE-log-truncate</code> commands to truncate database log files.

Table 3 Enhancements for YAB 1.7 (2 of 2)

QAD Issue	Summary
RFRD-4616	Introduced additional backup options: <ul style="list-style-type: none"> • dbbackup.estimate • dbbackup.com • dbbackup.io • dbbackup.scan • dbbackup.bibackup • dbbackup.bf • -enableaiarchiver • -arcinterval • -aiarekdir • -aiarekdircreate
RFRD-4709	Incremental data files are now retained after a data change.
RFRD-4838	The QXtend queue directory can be configured with the <i>qxtend.queue.dir</i> setting.
RFRD-4871	The (-bi) and (-biblocksize) arguments are now set when truncating databases.
RFRD-5071	The Configurator Webspeed <i>qst</i> and <i>var</i> directories can be configured through the settings <i>configurator.qst.dir</i> and <i>configurator.var.dir</i> .
RFRD-5072	The location of the Configurator <i>AppServerConnection.xml</i> file may be configured through the <i>configurator.config.dir</i> setting.
RFRD-5073	A YAB install redistributes the YAB Supply Chain Portal module (yab-scp).
RFRD-5167	You can now manage the new Batch daemon introduced in Enterprise Financials 2016.1.
RFRD-5258	A new <i>qxtend.qxi.queuestab.enabled</i> setting enables the QXtend Inbound Queues tab.
RFRD-5376	A compressed backup of the <i>pronav</i> web application is saved under <i>WEB-INF/backups</i> each time the <i>process-maps</i> package is upgraded and before the upgrade is applied to the <i>pronav</i> web application. This feature can be disabled with the <i>webapp.pronav.backups=false</i> setting.
RFRD-5488	Introduced a <i>find</i> command to query files referenced from the configuration.
RFRD-5521	Introduced new Mobile Field Services settings: <ul style="list-style-type: none"> • mfs.environment.name • mfs.software.update.location • mfs.fsr.template.location
RFRD-5545	You can now configure Reporting Framework email bursting via YAB.
RFRD-5624	YAB now provides feedback when the system reevaluates packages and configuration settings.
RFRD-5782	You can now configure <UseLocalDateAndNumberFormats> in <i>client-session.xml</i> with the setting <i>netui.client.uselocaldateandnumberformats</i> .
RFRD-5783	You can now configure maxuses setting in <i>connectionManagerConfig.xml</i> with the following settings: <ul style="list-style-type: none"> • netui.connmgr.maxuses • netui.desktop.maxuses • netui.uiapi.maxuses

Fixes

Table 4 Fixes for YAB 1.7 (1 of 2)

QAD Issue	Summary
RFRD-2252	QXtend adapter r-code now has higher precedence than MFG r-code in the runtime PROPATH.
RFRD-2813	Browse dependent records are now deleted before a browse is updated.
RFRD-2814	The (-T) parameter is configured when truncating a database before-image file.
RFRD-3635	The <i>TerminalProtocol</i> setting in <i>client-session.xml</i> is now configured with <i>netui.connmgr.protocol</i> setting and not <i>netui.telnet.protocol</i> .

Table 4 Fixes for YAB 1.7 (2 of 2)

QAD Issue	Summary
RFRD-3788	The QXtend compile PROPATH now includes proxy and MFG patches.
RFRD-4127	The <TerminalEncodingMap> element has been updated in <code>client-session.xml</code> to fix the display of non-English characters in QAD .NET terminal screens.
RFRD-4633	QXtend connection pools are now updated when the QXtend passwords change.
RFRD-4729	The logic that removed and recreated the Alerts tables has been removed. Previously, the QAD Alerts database was deleted and had to be rebuilt from scratch.
RFRD-5067	Retaining the CRRuntime .NET plugin when the Financials plugin is upgraded.
RFRD-5166	All factory default setting changes are reverted when an install fails. Previously, the factory default settings were updated.
RFRD-5204	Sequence values are read as 64-bit integers. Previously, database sequences were reset incorrectly when databases contained a sequence greater than the integer limit.
RFRD-5213	Tomcat thread settings are now configured on the SSL connector.
RFRD-5245	Scripts now validate that the host setting matches the output of the OS hostname command in client scripts when the <code>client.host.validate</code> setting is true.
RFRD-5256	Loading ICT data correctly in single domain environments.
RFRD-5338	Using the (-estimate) option on a backup does not have any side effects. Previously, the command created an invalid backup that failed if a user tried to use it for a restore.
RFRD-5389	You can now configure the hostname setting of a WebSpeed server.
RFRD-5399	Changes to <code>controllers.xml</code> are retained after an update. Previously, merged versions of <code>controllers.xml</code> were being overwritten with the original version of the file during updates.
RFRD-5451	Added ordering constraints to ensure ICT data is tailored after it is loaded.
RFRD-5453	The Event Destination Id in the Event Destination Modify menu is now updated with the correct environment variables when databases are restored.
RFRD-5518	A NullPointerException thrown by <code>system-updates-list</code> command is fixed.
RFRD-5556	YAB now retains customized <code>UserConfig.xml</code> when Mobile Field Services is upgraded.
RFRD-5612	YAB now can recover automatically from an aborted package integration.
RFRD-5768	The literal PATH setting is no longer recorded in scripts when they are generated.

Release Notes for YAB 1.6

YAB: 1.6

Date: October 2017

QAD Enterprise Applications Versions: Enterprise Edition 2016 and 2017

Upgrade Instructions

To upgrade to YAB 1.6, you must set the `python.executor` setting to locate a compatible Python runtime. Python 2.4 is the minimum required version; Python 2.7 is the recommended version.

To check the Python version, enter:

```
<path to python interpreter> -V
```

In the `configuration.properties` file, enter:

```
python.executor=<path to python interpreter>
```

The existing shell scripts are backed up into the `scripts/backup` directory.

To install YAB 1.6, enter:

```
yab install yab-ee-image-[VERSION].zip
```

For all other installation information, see the most recent edition of the *QAD Enterprise Edition Installation Guide*.

New Feature Summary

This section describes the new features and enhancements that are available in YAB 1.6.

Apps

Apps are used to organize packages along product lines. The `info` command has been enhanced to display the apps configured in an environment with options to show the sub-component package details. YAB for Enterprise Edition is now distributed as `yab-ee-app`.

Data and Schema Management

A new set of commands has been introduced to export, compare, and patch XML data files and to export and compare schema files. YAB now provides options for preserving customizations of QAD system data across major upgrades. The following commands are described in the *YAB Configuration and Administration Guide*:

- `data-xml-*`
- `schema-*`
- `dev-data-*`
- `dev-schema-*`

Python Control Scripts

The control scripts in the `scripts` directory have been rewritten as Python scripts to support more consistent behavior across different platforms.

Customer-Reported Issues Resolved and Release Enhancements

The following customer-reported issues have been resolved in this release.

Enhancements

Table 5 Enhancements for YAB 1.6

QAD Issue	Summary
RFRD-2583	Ability to scan packages and directories for content to deploy.
RFRD-3427	Support for integrating the Supply Chain Portal poller in an environment with <code>yab-scp</code> module.
RFRD-3433	Standard location (<code>patches/ict</code>) for integrating ICT patches.
RFRD-3472	Option to deactivate all non-primary indexes on auditing tables when auditing is enabled and to default non-archive databases to deactivated.
RFRD-3568	Ability to manage <code>maxThreads</code> , <code>minSpareThreads</code> , and <code>maxSpareThreads</code> settings on Tomcat connectors.
RFRD-3569	Tomcat <code>usecompression</code> setting supports “on/off/force.”
RFRD-3860	Ability to manage SMTP configuration in <code>client-session.xml</code> with <code>smtp.*</code> settings.
RFRD-3904	The <code>(-i)</code> client option will add/replace a package in the local catalog without deleting other versions of the package from the local catalog.
RFRD-4214, RFRD-4672, RFRD-4735, RFRD-4765	New <code>system-updates-list</code> command displays available software updates in a connected catalog.
RFRD-4396	Data updates are minimized by comparing the current configuration with the previous configuration to apply a delta.
RFRD-4418	Additional options for the <code>database-INSTANCE-index-rebuild</code> command.
RFRD-4551, RFRD-4553, RFRD-4746, RFRD-4812	Enhanced the <code>system-diagnostics</code> command to include patches and optionally customizations.
RFRD-4563	New command, <code>database-INSTANCE-log-truncate</code> , to truncate database log files using the Progress prolog utility.
RFRD-4727	No need to re-install YAB after bringing in new add-ons. YAB modules are enabled and disabled automatically as the product configuration changes.

Fixes

Table 6 Fixes for YAB 1.6 (1 of 2)

QAD Issue	Summary
RFRD-112	The following message no longer displays after a system configuration change: “The package was previously deleted and may not be published again.”
RFRD-3181	The Enterprise Edition Installer now finds the most recent configuration backup directory from the target instance. Previously, installs would fail with the error “backup does not exist.”
RFRD-3554	Ensure that CHUI sessions in developer environments have access to the ICT include files.
RFRD-3637	The <code>qadcss.ini</code> now only connects to the following four databases: <ul style="list-style-type: none"> • <code>db.qadddb</code> • <code>db.qadadm</code> • <code>db.qadhlp</code> • <code>db.qadcss</code>
RFRD-3733	Default backup directory moved from <code>build/work</code> to <code>build/work/backups</code> to match documentation.
RFRD-4156	You can now have the character “P” in the <code>netui.telnet.password</code> . Previously, a “P” in the <code>netui.telnet.password</code> would cause an error.

Table 6 Fixes for YAB 1.6 (2 of 2)

QAD Issue	Summary
RFRD-4251	The stop script now invokes “join” method instead of the misspelled “joint” method.
RFRD-4304	Status no longer reports a server as started even if the server reports an error (8287)
RFRD-4325	The <code>code-INSTANCE-locate</code> command now correctly reports on programs in the current working directory.
RFRD-4340	Progress session updating data now resolves triggers.
RFRD-4351	The setting <code>#{qxtend.stage.dir}</code> is now resolved.
RFRD-4365	Using <code>allowunrecognizedschema</code> no longer attempts to load a table more than once into a reference database.
RFRD-4598	The Progress metaschema in the reference database is updated before generating the incremental schema file to ensure that non-decimal fields have a null length and not a length of 0. Previously, if a non-decimal field had its decimals field set to null and the configured schema had the value set to 0, Progress generated the following error when processing schema changes: “MODIFY FIELD NAME caused a warning.”
RFRD-4612	The PROMSGS environment variable is now correctly configured during a Progress database restore. Previously, the variable was not correctly configured, resulting in the following error: “errno=0 reading promsgs file, it may have been deleted.” restoring a compressed backup.
RFRD-4627	Users now have the ability to configure the Configurator Webspeed URL with “ <code>qadcss.configurator.customized.url</code> .”
RFRD-4628	You can now configure the CSS System Control temp directory with “ <code>qadcss.tmp.dir</code> ” setting.
RFRD-4807	Corrected the spelling in a CSS YAB property to read “ <code>code.mfg.sources.qadcss-credit-card.dir</code> ” instead of the incorrect “ <code>code.mfg.sources.qadss-credit-card.dir</code> .”
RFRD-4937	Users no longer see: “The process cannot access the file because it is being used by another process” on Windows after installing Enterprise Edition.
RFRD-4940	Ensured that “ <code>dist/qxtadpt</code> ” is before “ <code>dist/qxoserver/runtime</code> ” in <code>qadcss.ini</code> .
RFRD-4970	Installing with the option <code>-install-validate:false</code> no longer results in the error “The image and environment packages have not been compared yet.”