

QAD YAB 1.9 Release Notes

March 2019

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: 1.9

Date: March 2019

QAD Enterprise Applications Versions: Enterprise Edition 2015 Cloud, 2016, 2017, and 2018 when installed with Channel Islands 2019.

Upgrade Instructions

To install YAB 1.9, 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

Cassandra Basic Authentication

YAB 1.9 introduces support for basic Cassandra authentication using PasswordAuthenticator. Basic authentication is enabled by setting `cassandra.INSTANCE.node.main.authenticator=PasswordAuthenticator`. When basic authentication is enabled, YAB disables the native Cassandra user and creates and manages the Cassandra user defined by the following properties:

```
cassandra.INSTANCE.user=  
cassandra.INSTANCE.password=
```

Support for Multiple QAD .NET UI Environments

YAB 1.9 supports multiple .NET UI environments without the need to manually modify the QAD Homeserver and the Progress application server. For detailed information, see the Knowledgebase article: [How to add custom .NET UI environment for EAM](#).

Enhancements

Table 1 Enhancements for YAB 1.9

QAD Issue	Prior Functionality	New Functionality	Customer Technical Impact
RFRD-2359	NA	<p>A new configuration type ‘filereduce’ has been introduced to reduce files by deleting, truncating, or archiving them. This might be used, for example, to manage the growth of log files.</p> <p>The factory default configuration defines a set of commands to archive as well as truncate/delete application log files.</p> <p>See:</p> <p>yab help filereduce</p> <p>yab help logs-clean</p> <p>NOTE: Other mechanisms that rename log files (such as OpenEdge log rotation) may not be compatible with this file management technique.</p>	NA
RFRD-2489	NA	Show associated validation rules by yab config -show-validation PROPERTY	NA
RFRD-3188	YAB did not support deployment of netui patches in the dist/pro directory.	netui patches can now be deployed in the dist/pro directory. Review the property patches.pro.dir to view the default location.	NA
RFRD-5349	NA	Set the property code.eam.removeorphanedrcode= true as default to remove orphaned rcode.	NA
RFRD-5384	NA	<p>Created a database-<dbname>- describe process to display descriptive information about the ‘%s’ database and enabled features.</p> <p>Created a database-describe process to display descriptive information about the ‘%s’ database and enabled features of all databases.</p>	NA
RFRD-5574	The option (-failonerror:false) can be set to continue processing the request if ANY process fails.	In addition to the global (-failonerror:false) setting, individual processes can now be configured through (- process.[INSTANCE].failonerror: false) options.	NA
RFRD-5757	NA	Provides a way to list all the connection manager session statuses of .NET UI applications for load balancing monitoring.	If you are using the .NET UI load balancing feature, add all of your load balancing Tomcat instances to the netui.webserver.list.

Table 1 Enhancements for YAB 1.9

QAD Issue	Prior Functionality	New Functionality	Customer Technical Impact
RFRD-6141	NA	<p>New commands have been added to support integrating a QAD-supplied operational source archive into an environment.</p> <p>‘yab customer-src-integrate’ takes a QAD-supplied source archive and installs it into the environment catalog.</p> <p>‘yab customer-src-copy’ copies sources from the archive that was installed to the customization area.</p> <p>See the “Integrate QAD source file archive into environment” section of the YAB Configuration and Administration Guide (YAB 1.9) for more details.</p>	Review new commands if you are using QAD-supplied source code archives.

Table 1 Enhancements for YAB 1.9

QAD Issue	Prior Functionality	New Functionality	Customer Technical Impact
RFRD-6420	Previously there were a number of hard-coded timeout values for various API calls, waits on application servers to start, etc. These could not be configured and so could not be adjusted to different environment scenarios.	<p>There is now a new ‘timeout’ configuration property.</p> <p>The default timeout for all YAB configuration settings starting with timeout, without an explicit value, expressed in milliseconds.</p> <p>Timeout settings are resolved using an inheritance algorithm. For example, the value of the ‘timeout.foo.bar’ setting is the first of (‘timeout.foo.bar,’ ‘timeout.foo,’ and ‘timeout’) that is configured.</p> <p>Default 600000 (10 minutes).</p> <p>0 means an indefinite wait.</p> <p>A number of hardcoded timeouts in the code base have been updated to respect the above configuration. The new timeout default configuration is as follows:</p> <pre> timeout.adminserver.opened-geupgrade=300000 timeout.adminserver.stop=600000 timeout.api.fin=3600000 timeout.appserver.start.qxtend=600000 timeout.batch=0 timeout.elasticsearch.configureindex.default=300000 timeout.kafka.zookeeper.start.default=30000 timeout.mongodb.start.qad-collaboration=180000 timeout.tomcat.start.qxtend=600000 timeout.webapp.webshell.api=600000 timeout.webapp.webshell.api.cacherefresh=600000 timeout.webapp.webshell.api.entityhistory=600000 timeout.webapp.webshell.api.mongoschema=600000 timeout.bpm.server.start=3000000 timeout.bpm.server.stop=3000000 </pre>	NA
RFRD-6448	Updating the host name of an environment required a full update.	<p>Added a ‘host-update’ process to update host references to the configured host.</p> <p>Review the YAB Configuration and Administration Guide (YAB 1.9) for additional details</p>	Use the host-update command when necessary to update the host of an environment.

Table 1 Enhancements for YAB 1.9

QAD Issue	Prior Functionality	New Functionality	Customer Technical Impact
RFRD-6589	NA	Simplifies the effort to set the scripts for loading the additional environment variables in python scripts through two properties: filegen.[instance].properties.env.files or clientscript.[instance].properties.env.files	NA
RFRD-6603	NA	Added support to update a portion of a configuration setting without overriding the entire value. For example, to increase the (-Bt) value of an application server while retaining the other factory default startup parameters for the application server. See the “Indexers” section of the YAB Configuration and Administration Guide (YAB 1.9) for more details.	Review overridden settings for opportunities to use this functionality.
RFRD-6604	The ‘validate’ command was limited to validating YAB configuration.	Adjusted the ‘validate’ command to provide more feedback while evaluating validations and added several new validations: <ul style="list-style-type: none"> • CHUI Login • WEBUI Login • QRA Authenticate • JDBC Connect • NETUI Connection Manager Check 	Review the validate command and any output. Consider including in standard operations.
RFRD-6624	NA	Added the ‘system-context-info’ command to report on the processes and operations in a prepared context that have been applied to the environment.	NA
RFRD-6651	Previously, the ‘proutil epolicy info’ command was used to check whether TDE was enabled. This command was not efficient.	YAB now uses the more efficient ‘proutil describe’ command to check whether TDE is enabled.	NA
RFRD-6722	NA	Use the new property ‘fin.cbserverxml.debug-login’ to configure the DebugLogin in cbserver.xml.	NA
RFRD-6791	The TMS database did not set the logical name, max users, and lock table entries to ideal values.	The logical name, max users, and lock table default entries have been updated to better values. The default values are: db.tmsdb.logicalname=xttraxmu dbserver.tmsdb.maxusers=200 dbserver.tmsdb.locktableentries=1000000	NA

Table 1 Enhancements for YAB 1.9

QAD Issue	Prior Functionality	New Functionality	Customer Technical Impact
RFRD-6814	NA	Added support for configuring the logback.xml file for the tomcat-webui server. See 'yab help logback' for available settings.	Review and update default values as needed.
RFRD-6815	NA	Added support for configuring the log4j.properties file for the qad-dashboards webapp See 'yab help log4j.analytics-logi' for available configurations.	Review and adjust default settings as needed.
RFRD-6843	NA	YAB supports the EAM job controller start/stop/status processes.	NA
RFRD-6859	NA	Audit Archive Enhancements <ul style="list-style-type: none"> • Check to ensure that auditing is enabled on the source and destination database. • Ability to use alternative audit storage area names configured through the settings for 'db.INSTANCE.audit.area' and 'db.INSTANCE.audit.indexarea.' • New 'audit.keep.exported.files' setting to retain the exported (*.abd) files. • New 'audit.enddate' setting to use 'date math' to define the records to export. See: yab help database-INSTANCE-auditing-archive	NA
RFRD-6861	NA	Configuration for Progress database accounts now has a 'managed' setting (default: false). When true, the system creates/updates the user account. A new 'dba' setting may be used to grant DBA authority to the account when 'managed' is true. See 'yab help db.users' for more details.	NA
RFRD-6862	Previously, the system did not have much logging and visibility around the algorithm used to decide whether to use IDXFIX or IDXBUILD when rebuilding indexes.	Increased the amount of logging around the algorithm used to decide whether to use IDXFIX or IDXBUILD when rebuilding indexes.	NA

Table 1 Enhancements for YAB 1.9

QAD Issue	Prior Functionality	New Functionality	Customer Technical Impact
RFRD-6863	All QXtend connection pools used the same application authentication pair (username/password).	YAB supports distinct authentication pair (username/password) for different QXtend connection pools. The relevant properties are: qxtend.connpool.finapi-qad-erp.password qxtend.connpool.finapi-qad-erp.user qxtend.connpool.siapi-qad-erp.password qxtend.connpool.siapi-qad-erp.user qxtend.connpool.uiapi-qad-erp.password qxtend.connpool.uiapi-qad-erp.user	NA
RFRD-6872	The Spark REST API and the ability to kill Spark applications from the Spark web UI were not disabled by default.	YAB can now disable the Spark REST API as well as kill Spark applications from the Spark web UI by default.	NA
RFRD-6878	Users had to change multiple properties in order to change the Spark deploy directories.	There is now a more convenient way to change the Spark deploy directories by changing spark.INSTANCE.env.spark.dir.	NA
RFRD-6897	Tomcat startupopts were quoted, which meant the entire value needed to be changed.	Removed quotes from Tomcat tuning parameters to allow update by new configuration indexers. This allows the update of a single value in the startupopts without changing the entire value. See Configuration Files section of the YAB Configuration and Administration Guide (YAB 1.9) for more details.	Review Tomcat startupopts settings and consider redefining without quotes or applying updates using configuration indexers.
RFRD-6898	NA	New Global Cache variables can be configured in environment.xml file. See 'yab help qra.config.environment.cache' for more details on each of the global cache configuration settings.	Review and update cache variables as required.
RFRD-6900	NA	The log level for qxtend outbound is supported.	NA
RFRD-6913	Previously, a case change in the table's name (uppercase/lowercase) would result in the table being added to the database again, resulting in an error saying that the table already exists.	We now compare table names in a case-insensitive manner, as Progress does, so we will not attempt to reload tables when their letter casing (uppercase/lowercase) changes.	NA
RFRD-6919	NA	Support to remove the lock files for Atomikos, Cassandra and Spark via clean-locks process.	NA

Table 1 Enhancements for YAB 1.9

QAD Issue	Prior Functionality	New Functionality	Customer Technical Impact
RFRD-6931	Starting an application server would fail with Progress error 8297. An immediate retry would succeed.	If an attempt to start an application server fails, another attempt will be made in five seconds.	NA
RFRD-6939	Scripts to start a secondary login broker (-m3) may define startup parameters that are not applicable for a secondary login broker, but do not cause any harm.	Scripts to start a secondary login broker will only define the startup parameters configured by the 'dbserver._secondary.params.filter' setting, which has the following factory default setting: dbserver._secondary.params.filter=-N,-S,-ServerType,-Mi,-Ma,-Mpb,-minport,-maxport	NA
RFRD-6954	NA	A new option (-skip-packages) is available on the 'code-INSTANCE-locate' command in conjunction with (-overrides) to only report where unpackaged sources (i.e. customizations, patches) override packaged sources (standard). When (-skip-packages) is omitted, (-overrides) will continue to report all overrides including overrides distributed in packages.	NA
RFRD-6999	NA	Added support for setting Analytics fiscal start date. See these two configuration settings: <ul style="list-style-type: none"> • qad-analytics-core.firstDayOfFiscalYear • qad-analytics-core.firstDayOfWeek 	Review and adjust default values.
RFRD-7001	NA	The Web UI HTTP session timeout can be configured with the 'timeout.webapp.webshell.session' setting. The default timeout is 30 minutes.	NA
RFRD-7010	-noduptiderror was not included	The factory default svrstartparams now includes -noduptiderror when the OE version is 11.7.4 or greater and less than OE12	If appserver svrstartparams is set specifically and OE11.7.4 or later is used, -noduptiderror should be added to these parameters.
RFRD-7032	Packages with branches are not deployed correctly when installed in a prepared context. The log contains messages similar to: The path [/\qond/apps/mfgpro/build/work/stage/mfgcoreplus/qad.mfgcoreplus/config] configured by the setting [qra-config-module.mfgcoreplus.dir] does not exist and will be ignored.	This issue has been resolved.	NA

Table 1 Enhancements for YAB 1.9

QAD Issue	Prior Functionality	New Functionality	Customer Technical Impact
RFRD-7078	When running app-export against a platform extension, new dependencies were added but existing dependencies were not updated.	When running app-export against a platform extension, all dependencies are updated to the current version in the environment. Record the export version in the platform extension's app.xml.	NA
RFRD-7083	NA	Users can use the original settings or a new set of configuration settings to configure the alerts and TMS database.	For backward compatibility, users can use the original settings to configure the alerts and tmsdb user account as below: <ul style="list-style-type: none"> • alerts.database.admin.username= • alerts.database.admin.password= • alerts.database.username= • alerts.database.password= • db.tmsdb.sqluser.admin.username= • db.tmsdb.sqluser.admin.password= • db.tmsdb.sqluser.normal.username= • db.tmsdb.sqluser.normal.password= Or they can use new settings to configure them: <ul style="list-style-type: none"> • db.alerts.users.admin.user= • db.alerts.users.admin.password= • db.alerts.users.admin.dba=true • db.alerts.users.admin.managed=true • db.alerts.users.default.user= • db.alerts.users.default.password= • db.alerts.users.default.managed=true • db.tmsdb.users.admin.user= • db.tmsdb.users.admin.password= • db.tmsdb.users.admin.dba=true • db.tmsdb.users.admin.managed=true • db.tmsdb.users.normal.user= • db.tmsdb.users.normal.password= • db.tmsdb.users.normal.managed=true
RFRD-7109	A runtime exception was thrown when the EAM package did not have any files in the xrc/fin/<EE Version> folder.	Now yab-eam conditionally deploys artifacts from the EAM package's xrc/fin/<EE Version> folder.	NA
RFRD-7293	YAB could not define "global" environment variables for Progress sessions and the memory management hotfix was disabled.	There is a new capability to define environment variables for Progress sessions. This is being used to enable an OpenEdge 11.7.4 memory management hotfix (when applicable). See: yab help openedge.env yab config "openege.env.*"	NA
RFRD-7372	Default garbage collector was used. Default sizing was 500MB of heapsize.	Cassandra jvmargs uses G1 garbage collector and 1GB minimum heapsize by default.	Review any Cassandra jvmargs and adjust as needed.

Table 1 Enhancements for YAB 1.9

QAD Issue	Prior Functionality	New Functionality	Customer Technical Impact
RFRD-7375	Default database maxusers setting was set to 52.	Default database maxusers setting increased to 70.	Review database maxusers setting and adjust as needed.
RFRD-7386	Web UI Tomcat heapsize set to 1GB.	Web UI Tomcat default heapsize increased to 2GB.	Review Tomcat heapsize settings and adjust as needed.
RFRD-7427	Default mmax setting was 8192.	Default mmax setting updated to 10000.	Review and adjust your mmax settings if needed.

Bug Fixes

Table 2 Bug Fixes for YAB 1.9

QAD Issue	Prior Functionality	New Functionality	Customer Technical Impact
RFRD-1473	BPM did not work with SSL-enabled QXtend Tomcat or Corticon Tomcat.	Fixed	NA
RFRD-2641	Five settings only support using a comma “,” as a delimiter, which prevents users from configuring some valid package ranges.	Five settings that historically used a comma “,” as a delimiter, which conflicted with some package range expressions that may have contained commas, now support using a colon “:” as a delimiter, while retaining support for “,” as a delimiter in values where there is no conflict. <ul style="list-style-type: none"> • dependency.redirects • dependency.excludes • dependency.excludesreferences • dependency.overrides • packages.INSTANCE.patches 	NA
RFRD-3971	YAB threw an error if directory path was null.	YAB will not create a directory path that is null or contains environment variables “~”, “\${HOME}”, “\$HOME” in Linux platform and “%USERPROFILE%”, “%HOMEPATH%” in Windows.	NA
RFRD-4459	recid files were incorrectly processed when regenerateoids was set.	Updated the import / export statements used as part of regenerateoids to exclude recid fields.	NA
RFRD-5502	The ‘config.order’ property is used to define the precedence order of system configuration files. When the order is changed, the system should be refreshed to take this change into account. A change to ‘config.order’ would not automatically trigger a refresh.	A refresh (-r) will automatically be triggered if the ‘config.order’ property is edited.	NA
RFRD-6098	Changes to ‘dependency’ settings (e.g., dependency.excludes, dependency.overrides) would not trigger a reevaluation of packages.	Changes to ‘dependency’ settings (e.g., dependency.excludes, dependency.overrides) will trigger a reevaluation of packages.	NA

Table 2 Bug Fixes for YAB 1.9

QAD Issue	Prior Functionality	New Functionality	Customer Technical Impact
RFRD-6360	YAB controller-update failed when a user removed a package that distributes a controller update.	YAB controller-update can uninstall a controller distributed by a removed package.	NA
RFRD-6361	Previously, SQL errors occurred when executing database-tmsdb-start-copy -clean.	Now, SQL errors will not occur when executing database-tmsdb-start-copy -clean.	NA
RFRD-6493	The default port range property was 22000-22100.	Increased the default port range property (ports) to 22000-22200.	The default port range property has been increased to 200, from 22000 to 22100 to 22000 to 22200
RFRD-6640	The command 'mfs-qxtend-configuration' did not deploy modified/new qdoc files from the MFS package during an MFS upgrade.	The command 'mfs-qxtend-configuration' deploys all qdoc files from the MFS package during an MFS upgrade.	A YAB update executed after adding a YAB patch containing this fix will redeploy all qdoc files from the MFS package.
RFRD-6653	For a 2014EE to 2015EE conversion, an error was returned when loading schema into qaddb that resulted in the conversion failing.	Fixed	NA
RFRD-6680	The default storage location for webdav-based document attachments was changed from the standard default to a non-standard default.	We now use the standard default storage location for webdav-based document attachments, and have provided backward compatibility with environments that have the non-standard location.	NA
RFRD-6766	Using the help command to show the help for instanced settings (i.e. yab help 'db.qaddb.physicalname') did not show the help information.	Fixed	NA
RFRD-6833	The prostrict output was not handled properly thus it broke some functionality in after imaging (AI) and database structure related processes.	The prostrict output is now handled properly.	NA
RFRD-6865	Manual steps were required when upgrading from YAB 1.3 with yab-conv-pre-ee to YAB 1.6 or later.	Upgrading from YAB 1.3 with yab-conv-pre-ee to YAB 1.6 or later no longer requires manual steps. The install will automatically disable the yab-conv-pre-ee package and removes its package dependencies.	NA
RFRD-6916	"The process has not been prepared." error might occur when executing processes in parallel.	Fixed	NA

Table 2 Bug Fixes for YAB 1.9

QAD Issue	Prior Functionality	New Functionality	Customer Technical Impact
RFRD-6940	A Cassandra username allowed only numbers and letters in lower case.	Special characters can be used in a Cassandra username.	NA
RFRD-6943	The option '-c' of mongodb archive command (mongodb-qad-collaboration-archive) and system help process (help) were conflicting with the yab client parameter 'context.'	The option 'c' has been renamed to 'collection' and 'd' to 'date' for the mongodb-INSTANCE-archive command. The option 'c' has been renamed to 'command' and 's' to 'settings' for the help command.	NA
RFRD-6948	The previous compile ProPath order for code.fin.propath was incorrect.	Fixed	NA
RFRD-6993	A package resolution error "Please review the following constraints," could occur when installing a product distributed in channel-islands-app.	Fixed the ordering of packages in the configuration file 'build/config/system/product.properties.'	NA
RFRD-7002	Scripts to start databases did not support the use of service names.	Scripts to start databases now support the use of service names.	NA
RFRD-7012	The OpenEdge directory was not correctly validated if referencing a non-existing directory	A runtime error is now thrown if either <ul style="list-style-type: none"> • The configured 'openedge.dir' directory does not exist • The OpenEdge version in directory 'openedge.dir' cannot be determined. 	NA
RFRD-7043	The dat files in the Enterprise Edition subfolders were deployed first, then the standard dat files, which would overwrite any previous versions of the files copied into the target directory.	The order in which the qxtadpt dat files were deployed into the dist/qxtadpt/tools/datFiles/standard/ directory was incorrect. This is now fixed to deploy the standard dat files first and to also deploy any additional dat files based on the Enterprise Edition version installed.	NA
RFRD-7060	The compile performs an initial scan for changes when enabled (code.INSTANCE.scan=true) and exits if no source code has changed, even if changes to the configuration of the compile should be evaluated.	The compile scan is skipped whenever the configuration of the compile has changed.	NA
RFRD-7088	Did not support the 'srvrExecFile' Progress startup parameter.	YAB now supports the 'srvrExecFile' Progress startup parameter.	NA

Table 2 Bug Fixes for YAB 1.9

QAD Issue	Prior Functionality	New Functionality	Customer Technical Impact
RFRD-7102	The file 'contexts/prepared/NAME/plan.ser' would get corrupted when the system ran out of disk space while applying the plan.	Updates to the file 'contexts/prepared/NAME/plan.ser' are saved to a temporary file first to avoid the corruption problem.	NA
RFRD-7104	The SSL check box was not checked automatically on the UI when SSL for QXtend Tomcat server was enabled.	The SSL check box is selected automatically on the UI when SSL for QXtend Tomcat server is enabled.	NA
RFRD-7119	Financial backward compatible upgrades on 2016EE environments failed due to the db version not being identified.	Fixed	NA
RFRD-7120	Configuration settings that are lists (e.g. propaths) are influenced by the order in which the file system enumerates files in a directory. This order may vary across environments.	Configuration settings that are lists (e.g. propaths) are no longer influenced by the order in which the file system enumerates files in a directory.	NA
RFRD-7121	Previously, certain NFS server configurations could result in an NFS lock file persisting on the file system during the package deletion process. YAB would then consider the package deletion operation as non-successful and report an error, even though the package had effectively has been removed.	YAB is now more lenient with its package deletion, allowing NFS lock files to remain while still considering the operation successful.	NA
RFRD-7124	The incremental compile only monitored table CRC values, which do not reflect index changes. A change to an index would not trigger the recompile of programs referencing the table.	The incremental compile will recompile a program if any of the indexes associated with a referenced table change. The first time code is recompiled after this update, source code that references tables will be recompiled with messages like these in the log: Compiling [PROGRAM] because the CRC value of the referenced table [TABLE] has changed since the last compile.	NA

Table 2 Bug Fixes for YAB 1.9

QAD Issue	Prior Functionality	New Functionality	Customer Technical Impact
RFRD-7130	The pid file was deleted when YAB failed to stop the Cassandra instance and it did not throw an error.	YAB will try up to <code>cassandra.INSTANCE.shutdown.maxret</code> ries times to kill the Cassandra process and will throw an error if it cannot stop it. The pid file will be kept if YAB fails to stop the Cassandra instance. The retry interval is controlled by the <code>'cassandra.INSTANCE.shutdown.retryinterval'</code> property.	NA
RFRD-7133	A compile request fails if compiling any file results in error messages. However, there are (rare) cases where a file cannot be compiled but the compiler only produces warning messages.	A compile request fails if the <code>'compiler:error'</code> status is true after compiling any file.	NA
RFRD-7138	Integer validation allowed values larger than valid integers	Integer validation now enforces <code>Integer.MIN_VALUE <= x <= Integer.MAX_VALUE</code> .	Review and update any incorrectly defined integer values
RFRD-7144	The command <code>'system-config-backup-list'</code> only lists configuration backups that start with a digit.	The command <code>'system-config-backup-list'</code> lists all configuration backups except <code>'current'</code> and <code>'applied'</code> ordering non-timestamp directory names by the directory last modified date.	NA
RFRD-7154	Updates to browses may not be applied correctly resulting in the loss of data.	Fixed	NA
RFRD-7174	Servers configured as <code>'manual'</code> (e.g. <code>db.qadarc.manual=true</code>) are not included in the <code>'start,' 'stop,'</code> or <code>'status'</code> commands.	A new <code>'status'</code> setting (e.g. <code>db.qadarc.status=true</code>) allows servers configured as <code>'manual'</code> (e.g. <code>db.qadarc.manual=true</code>) to be included in the <code>'status'</code> command while still not being included in the <code>'start'</code> and <code>'stop'</code> commands.	NA
RFRD-7180	Listing the files in a package using an index will attempt to create an index file in the catalog if it does not already exist.	Indexing is performed when a package is added to the catalog and listing files in a package will not write to the file system.	NA
RFRD-7190	Previously, app-exporting a platform app multiple times subsequently would duplicate the generated configuration for structure areas in the extension database.	Configuration generated for structure areas while developing a platform app will no longer be duplicated on subsequent app-exports.	NA

Table 2 Bug Fixes for YAB 1.9

QAD Issue	Prior Functionality	New Functionality	Customer Technical Impact
RFRD-7210	When a platform extension is developed, a compile database is created with the physical name 'extension,' which is the same as the standard extension database, potentially causing issues when performing database backups and restores.	The compile database is configured with a new setting (db.INSTANCE.nobackup) to not participate in the system wide backup. Validations have been added to ensure that when databases share the same physical name, an error is raised if one backup would overwrite another and if a restore would be applied to the wrong database.	NA
RFRD-7226	Regenerating oids for data.ee-data-<INSTANCE> fails with the error 'Unknown Field or Variable name.'	Fixed	NA
RFRD-7227	Error: java.lang.NullPointerException at com.qad.build.progress.tasks.database.DatabaseSchemaOrderCommand\$1.processObject(DatabaseSchemaOrderCommand.java:51)	Fixed	NA
RFRD-7274	When 'dbbackup.movearchivedatafiles' is enabled by default and after imaging is enabled, the backup process will store a compressed backup of archived after imaging files with the database backup to which they apply. The compressed backup file was named 'ai-files.tar.gz,' so if two databases with archived after imaging files were backed up in the same directory (for example using 'database-backup') one archive would replace the other.	The compressed backups of after imaging files are now named to avoid collisions between databases: [DATABASE PHYSICAL NAME].ai.tar.gz	NA
RFRD-7310	A new index that is added to the system will not have any index entries when the Progress IDXFIX utility is used to build the index.	When running the Progress IDXFIX, option 3, below, is chosen to create index entries when new indexes are added to the system. Index Fix Utility 1. Scan records for missing index entries with index block validation. 2. Scan indexes for invalid index entries. 3. Both 1 and 2.	NA

Release Notes for YAB 1.8

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 3 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 4 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>PROTERMCPAP</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 4 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 5 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 5 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 • -aiarecdir • -aiarecdircreate
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 6 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 6 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 7 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 8 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 8 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.”

