



QAD Adaptive Applications
YAB 1.16

Release Notes

YAB

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YAB

Updated March 2023

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YAB 1.16

YAB: 1.16

Date: September 2022

QAD Enterprise Applications Versions: Enterprise Edition 2018 and later when installed with QAD Adaptive UX 2022.1. Limited to Adaptive UX customers only.

Upgrade Instructions

To install YAB 1.16, enter:

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

After installing `yab-ee-image`, ensure that your YAB client version is updated by executing the script:

```
build/client/yab-client-update
```

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



YAB 1.16 requires Java 1.8. If you are upgrading to YAB 1.16, you must also use Java 1.8. Refer to the *QAD Configuration and Administration Guide YAB 1.16* for details of how YAB determines the Java version that is used.

New Feature Summary

Log4j 2 Upgrade

YAB 1.16 has been upgraded to use log4j2 to mitigate the impact of recent log4j critical vulnerabilities. Please ensure that you have updated both your YAB client and YAB app installs to obtain all changes.

Mongodb 4.0 Support

YAB 1.16 supports the installation of Mongodb 4.0, including the upgrading of existing Mongodb 3 installs to Mongodb 4.0. Backups taken in Mongodb 3 will automatically be converted to Mongodb 4.0 when restored.

Post upgrade, it is recommended that you review any environment-specific mongodb configurations and ensure that they are still necessary and valid for a Mongodb 4 installation.

Logi Composer v7 Support

YAB 1.16 supports the installation, management, and upgrade of Logi Composer 7. This includes the Logi microservices, the Logi Service Mesh, and the PostgreSQL database. The PostgreSQL database will automatically be included in the environment backup and restore, when installed.

Minor Enhancement Ticket List

Key	New Functionality	Prior Functionality	Customer Technical Impact
RFRD-11120	When QAD Alerts is upgraded the web.xml file in the existing webapp is replaced with the new standard version from the new release.	When QAD Alerts is upgraded the web.xml file was left as it was from the initial install.	If any manual changes have been applied to web.xml these need to be reapplied after the upgrade.
RFRD-11014	Added support for distributing pollar templates outside of YAB via a new property <code>scp-poller.INSTANCE.template-dirs</code> .	Distribution of pollar templates could only be distributed by YAB.	n/a
RFRD-10974	When stopping the Master Spark process remove the statefiles to ensure the next stop does not go into "recovery mode" and prevent Spark slave startup	When starting the Spark Master process after a shutdown the process would go into "recovery mode". This would occasionally cause failures in the subsequent Spark Slave startup	n/a
RFRD-10952	Added deployment and upgrade support of Alerts 1.4	No deployment support for Alerts 1.4	n/a

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RFRD-10945	When platform-extensions.INSTANCE.sn value is configured, the platform-extension developments commands now use this value. In addition, validation on platform-extensions.INSTANCE.sn now allows the use of the hyphen character "-" and prevents the platform-extensions.INSTANCE.sn from exceeding 21 characters. When the platform-extensions.INSTANCE.sn value is not configured the default generated platform-extension developments commands will be trimmed if the appname exceeds 21 characters.	When platform-extensions.INSTANCE.sn value was configured, the platform-extension developments commands were not updated to use it.	n/a
RFRD-10891	New configuration option platform-extension.INSTANCE.register-after-update. If this option is set the defined platform-extension will automatically be registered as part of a yab update.	Previously registered platform-extensions were removed from the runtime when a yab update was run.	n/a
RFRD-10865	By default Spark is configured to remove work file after 7 days.	Spark work files were never automatically removed and so could build up over time.	Review the settings for Spark work file retention and adjust as required. Refer to the Spark documentation for details of the options available.
RFRD-10773	Zookeeper default configuration updated to autopurge log files to avoid unnecessary disk usage.	Zookeeper logs were never automatically purged and so could build up over time.	Review default settings defined by yab config zookeeper._base.properties.autopurge.* and adjust as required

[8 issues](#)

Bug Fixes Ticket List

Key	New Functionality	Prior Functionality	Customer T
RFRD-11096	cqlshrc script updated with correct SSL properties to ensure it works as expected in secure environments	cqlshrc script did not work in specific SSL environments due to SSL version compatibility	n/a
RFRD-11035	qxo-services-start and qxo-services-stop now use the qxo-services-start.sh and qxo-services-stop.sh scripts thereby ensuring consistent behaviour	qxo-services-start and qxo-services-stop had a different implementation and didn't use the corresponding qxo-services-start.sh and qxo-services-stop.sh scripts, resulting in different behaviour	n/a
RFRD-10848	data-xml-load mode 3 removes all records from the target table prior to loading the configured records	Only records not in the data to be loaded were removed, existing records were updated. This caused issues when the primary key of the records being loaded differed from the records in the database	n/a

[3 issues](#)

Note for On-Premise customers

Use the following approach if this error is encountered when upgrading YAB:

```
Caused by: java.lang.NoClassDefFoundError: org/apache/log4j/net/SocketAppender
at com.qad.yab.loader.LoggingConfigurator.configure(LoggingConfigurator.java:80)
```

This workaround is necessary for On-Premise customers when upgrading YAB from 1.15 or earlier to YAB versions 1.16 or later.

Extract the image contents

```
unzip yab-ee-image-[VERSION].zip -d yab-ee-image-[VERSION]
cd yab-ee-image-[VERSION]
unzip data.zip
```

Use the install.py script to upgrade YAB (./install.py -install-update:false -install-instance:<path to environment>):

```
./install.py -install-update:false -install-instance:/dr01/qadapps/systest/
```