



QAD Adaptive Applications

YAB Release Notes

YAB 1.20

QAD Adaptive Applications

YAB

May 2026

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YAB 1.20

YAB: 1.20

Date: May 2026

QAD Enterprise Applications Versions: Enterprise Edition 2022 when installed with QAD Adaptive.

Upgrade Instructions

To install YAB 1.20, 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 1.20 requires Java 1.17. If you are upgrading to YAB 1.20, you must also use Java 1.17. Refer to the *QAD Configuration and Administration Guide YAB 1.20* for details of how YAB determines the Java version that is used.

Minor Enhancements

PASOE Improvements

YAB 1.20 includes enhancements to PASOE session management, session trimming behavior, metrics collection, JMX monitoring, and QADCSS deployment support. Metrics ports can now be dynamically allocated, and additional options are available for session trimming and management.

Package Management Improvements

YAB 1.20 improves package reevaluation and package catalog handling to provide more reliable package deployment and upgrade processing.

Platform Updates

YAB 1.20 includes updates to Podman container storage configuration, gatherer components, QRA client execution, and PASOE deployment configuration to improve diagnostics, compatibility, deployment flexibility, and operational consistency.

Bug Fixes

Cassandra Fixes

YAB 1.20 resolves an issue where Cassandra administrative operations could fail when using customized role configurations.

NiFi Fixes

YAB 1.20 corrects the execution order of NiFi flow cleanup processes to ensure proper flow deployment and validation.

Package Management Fixes

YAB 1.20 resolves issues affecting package upgrades in environments using local catalogs and downgraded child packages.

Platform Fixes

YAB 1.20 resolves issues related to observability container configuration, telemetry property annotations, Datadog integration, Tomcat tracing setup, container networking, configuration validation, container cleanup operations, and QRA client compatibility.

Minor Enhancement Ticket List

Key	New Functionality	Prior Functionality	Customer T
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RFRD-12563	YAB and QPM now support using an Amazon S3 bucket directly as a package repository/catalog. Adaptive deployments can be configured to retrieve packages from an S3 catalog without requiring a separate catalog service.	Package catalogs were accessed through existing file-system or HTTP-based repository mechanisms; an S3 bucket could not be used directly as a standalone package catalog.	n/a
RFRD-12454	Observability source configurations are now generated dynamically based on the deployed environment, reducing manual configuration and improving support for new and optional sources.	Observability source configurations were statically defined, requiring manual maintenance and updates for environment-specific sources.	n/a
RFRD-12414	Updated OE JMX Gatherer jar file to version 1.0.1, which includes better logging for debugging.	OE JMX Gatherer jar file to version 1.0.0 being used with fewer debugging logs.	n/a
RFRD-12393	Added documented support and procedures for configuring Podman rootless container storage in an alternate location, including required SELinux and environment setup steps.	Podman rootless container storage defaulted to the user's home directory, with no validated process for relocating storage to an alternate filesystem location.	n/a
RFRD-12379	Improved telemetry state management by using system-derived state instead of static component status tracking.	Telemetry state was tracked using a properties file that maintained only enabled /disabled component status.	n/a
RFRD-12376	Grafana now supports secure HTTPS access using TLS certificates managed through shared container secrets.	Grafana web traffic was served over HTTP without TLS encryption.	n/a
RFRD-12375	Ports for pasoe JMX metrics are now dynamically allocated via yab annotations.	The pasoe JMX metrics ports were hard-coded.	n/a
RFRD-12373	PAS sessions are trimmed using "terminateFreeABLSession" mode, to allow the sessions to complete before they are stopped.	PAS sessions were trimmed using "terminateABLSession" mode, which would not allow the sessions to complete before they were stopped in some scenarios.	n/a
RFRD-12335	QADCSS customisation files are now present in the PASOE server if the environment has OE12 installed.	QADCSS customisation files were only present in the Tomcat server	CSS webpage is loading as expected
RFRD-12334	The observability containers now have a dedicated status command "yab obs-status" to check if containers are running.	Users had to run "podman ps" or check the container logs to confirm containers started successfully.	n/a
RFRD-12314	Packages are reevaluated when 'packages.INSTANCE.enabled' settings change.	Changing 'packages.INSTANCE.enabled' settings did not trigger a package reevaluation.	n/a
RFRD-12304	Added a new (-trim-by-agent) mode to the pas-INSTANCE-trim commands to evaluate sessions per agent. Tracking trimmed sessions so they are not evaluated by subsequent trim requests (if still active).	n/a	n/a
RFRD-12299	"Observability" section added to "yab env-info".	The information for the observability URLs was listed in the "user interfaces" section of env-info.	n/a
RFRD-12285	New process "obs-list-enabled-services" created to list levels of telemetry enabled and disabled.	No yab command to ease the user in knowing which level of telemetry is enabled or disabled for PASOE and Tomcat instances.	n/a
RFRD-12283	Observability now configures logging for PASOE and Tomcat instances.	n/a	n/a
RFRD-12262	Introduced improved observability management commands that provide clearer status visibility and streamlined application of telemetry configuration changes.	Observability relied on separate enable /disable commands and state tracking that could become inconsistent with the actual runtime configuration.	n/a
RFRD-12200	The user can now list configurations to be merged from different sources. This logic is now applied to all observability containers, if desired by the user, not only by a few of them.	The user was limited to add new configuration only on a specific path. For other containers we didn't have the logic in place which would make it more difficult for merging configuration.	n/a

Bug Fixes Ticket List

Key	New Functionality	Prior Functionality	Customer Technical Impact
RFRD-12571	Corrected serialization of file data passed to qra-sync, allowing QRA resource synchronization to process file paths correctly.	File data passed to the external QRA client process could be serialized incorrectly, causing qra-sync operations to fail.	n/a
RFRD-12548	Corrected web application resource handling during upgrades to prevent required JAR files from being incorrectly removed.	During certain OpenEdge upgrades, required web application resources could be removed without being redeployed, preventing the Tomcat Web UI from starting.	n/a
RFRD-12527	Corrected conditional test handling to ensure SSL secret processes execute properly.	SSL-related podman secret processes could fail due to incorrect conditional test nesting.	n/a
RFRD-12410	Yab now handles creating the otel-extensions directory for tomcat.webui tracing.	The user had to manually create the otel-extensions directory and copy the necessary files from the catalogs.	n/a
RFRD-12409	Fixed annotations for observability properties.	Annotations were wrong, missing '@'	n/a
RFRD-12404	"cassandra.roles.admin.role" can be configured with any suitable value.	If "cassandra.roles.admin.role=cassandra" then the "cassandra-users-update" process would use the Cassandra default password "cassandra" instead of the configured password to log into Cassandra and would be rejected.	n/a
RFRD-12390	The "nifi-flow-cleanup" process has been moved to run after the "webapp-webshell" process, since the flow cleanup requires the Tomcat Web UI to be running before it executes.	The "nifi-flow-cleanup" process was executed before the "webapp-webshell" process. As a result, it failed to execute the QRA API calls that check the status of the flow to be deleted before deploying the new flow.	n/a
RFRD-12384	The validation that ensures the property and name in compose.yaml have been removed, as it was prone to undesired errors.	The validation in place failed in many scenarios that it wasn't expected to fail.	Observability containers should be stopped before upgrading from yab-ee-app-1.19.0.157 to a later version. "yab obs-container-stop" And the containers configuration should be manually removed: "rm -rf \${appdir}/config /yab.observability /containers"
RFRD-12366	Setting for Datadog container secret added to the yab-observability schema, this is required when Datadog is enabled.	Two factory default settings are present for the Datadog container secret.	n/a
RFRD-12332	Datadog container is now in redis-default network and can reach redis container.	Datadog could not reach redis container.	n/a

RFRD-12329	When an upgraded package includes downgraded child packages, the child packages will be copied into the local catalog.	When an upgraded package included downgraded child packages, the child packages were not copied into the local catalog. Causing errors in environments without a catalog like this: [purchasing-translations] is not available purchasing-app-2.12.11.3 groups purchasing-translations-2.12.11.1 [erp-purchasing-webui-translations] is not available purchasing-app-2.12.11.3 groups erp-purchasing-webui-translations-2.12.11	n/a
RFRD-12300	The containers directory for observability can be removed without sudo permissions.	The containers directory for observability could only be removed with sudo permissions.	n/a
RFRD-12274	The mapping of the PASOE ports for metrics are now defined within yab-observability.properties, and the user doesn't need to set them if not using the profiles.	The mapping of the PASOE ports for metrics was not defined by default, but only in the profiles.	n/a
RFRD-12076	QRA client call is now executed from a subprocess running in a separate JVM.	The QRA client call was previously running in-process and was failing when compiled with an incompatible JVM.	n/a

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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/
```