Blueriq 17.0 Release Notes

Release Date	25 Apr 2024
Content	Release 17.0
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1. Highlights

Our goal is to swiftly introduce new features, prioritizing speed over waiting for major releases unless absolutely necessary. This approach ensures a gradual impact and shortens time to market. Unlike minor updates, major releases may involve breaking changes like removing outdated features or upgrading technology.

Highlights of release 17.0:

- Technology upgrades (JDK 21, OpenAPI 3.1, Keycloak 24.0, .NET 8) keeping Blueriq secure and stable.
- Removal of deprecated features, toggles, and properties marking the end of a transition period.
- Improved flexibility for secured REST connections using OAuth2
- Improved readability of logging

2. Enhancements

Enhancement	Details
OAuth2 clients a la Spring Security	We changed the way you configure an OAuth2 client on REST connections. Now you can define OAuth2 clients separately and reference them from multiple connection if desired. See Release 17.0 Upgrade Instructions for more details.
Default HTTP timeouts	The default read timeout for AQ_RestServiceCall and AQ_SoapServiceCall has been changed to 5 seconds (was 15 seconds). The advantage is that a request will now fail faster if it takes long, so that the user doesn't have to wait so long. If you have service calls that take longer than 5 seconds, you can override the timeout per connection. See Connections Properties for more information.
Timeouts for CMIS	We introduced properties to set the connection timeout and the read timeout for CMIS. Both default to 5 seconds. See CMIS Properties on how to change them.
Improved readability of logging	Logging for flows, processes, and certain service calls throughout Blueriq applications has been improved by improving the consistency of log levels and actual log statements.

3. Documentation

Documentation on the new features and improvements of this release is linked in the respective topics.

4. Changes Platform Support

Our Platform support is updated.

Changes are:

- Blueriq Java components now require **Java 21** to run.
- Oracle 21C (Innovation Release)

4.1. Discontinued

- **Java 17** support is stopped, from Blueriq 17 onwards **Java 21** or higher is **mandatory**.

5. Upgrade Instructions

> ⓘ **OAuth2 token support on REST connections**
>
> In order to use your REST connections that use a OAuth2 token to authenticate correctly, after the upgrade you will need to migrate all the properties to the new structure as described in the "OAuth2 clients a la Spring Security" enhancement.

Please review the Release 17.0 Upgrade Instructions.

> As a best practice
>
> - backup your repository
> - backup your database before running scripts
> - backup your `spring.config.additional-location` directory ([Blueriq installation directory]\Runtime)
> - backup any config files you have altered under [Blueriq installation directory]\Services
>
> before you start the upgrade.

6. Artifacts

The Blueriq artifacts are available under name: 17.0.0.33

This release includes these versions of Blueriq components with a separate life cycle:

Component	Version
Customer Data Service	5.0.1
DCM Lists Service	4.0.0
Material Theme	1.3.3
Development tools frontend	2.0.0
DCM Maintenance App	5.0.1
Audit Consumer	1.0.1
DCM Dashboard Service	2.0.1
Gateway Service	1.0.1
Document Renderer	2.2.0

7. Blueriq Libraries

There are no specific Library updates for this release.

8. Libraries

In this release, the set of third party libraries that is used by Blueriq was updated. When your installation of Blueriq includes custom components (artifacts that do not ship with Blueriq, such as proprietary plugins), those components should be tested for compatibility with these changes.

ArtifactId	GroupId	License	Version in 16.11	Version in 17.0
jakarta.el	org.glassfish	Eclipse Public License - v 2.0	4.0.2	❌
netty-codec-dns	io.netty	Apache License 2.0	4.1.108.Final	❌
netty-codec-http	io.netty	Apache License 2.0	4.1.108.Final	❌
netty-codec-http2	io.netty	Apache License 2.0	4.1.108.Final	❌

netty-codec-socks	io.netty	Apache License 2.0	4.1.108.Final	❌
netty-handler-proxy	io.netty	Apache License 2.0	4.1.108.Final	❌
netty-incubator-codec-classes-quic	io.netty.incubator	Apache License 2.0	0.0.62.Final	❌
netty-incubator-codec-native-quic	io.netty.incubator	Apache License 2.0	0.0.62.Final	❌
netty-resolver-dns	io.netty	Apache License 2.0	4.1.108.Final	❌
netty-resolver-dns-classes-macos	io.netty	Apache License 2.0	4.1.108.Final	❌
netty-resolver-dns-native-macos	io.netty	Apache License 2.0	4.1.108.Final	❌
netty-transport-classes-epoll	io.netty	Apache License 2.0	4.1.108.Final	❌
netty-transport-native-epoll	io.netty	Apache License 2.0	4.1.108.Final	❌
reactor-netty	io.projectreactor.netty	Apache License 2.0	1.1.18	❌
reactor-netty-core	io.projectreactor.netty	Apache License 2.0	1.1.18	❌
reactor-netty-http	io.projectreactor.netty	Apache License 2.0	1.1.18	❌
reactor-netty-incubator-quic	io.projectreactor.netty.incubator	Apache License 2.0	0.1.18	❌
spring-webflux	org.springframework	Apache License 2.0	6.1.6	❌
aalto-xml	com.fasterxml	Apache License 2.0	1.3.1	1.3.2
artifactory-java-client-api	org.jfrog.artifactory.client	Apache License 2.0	2.13.1	2.17.0
artifactory-java-client-httpClient	org.jfrog.artifactory.client	Apache License 2.0	2.13.1	2.17.0
artifactory-java-client-services	org.jfrog.artifactory.client	Apache License 2.0	2.13.1	2.17.0
commons-lang3	org.apache.commons	Apache License 2.0	3.13.0	3.14.0
core	com.google.zxing	Apache License 2.0	3.5.1	3.5.3
cxf-core	org.apache.cxf	Apache License 2.0	3.5.8	4.0.4
jackson-annotations	com.fasterxml.jackson.core	Apache License 2.0	2.15.4	2.17.0
jackson-core	com.fasterxml.jackson.core	Apache License 2.0	2.15.4	2.17.0
jackson-databind	com.fasterxml.jackson.core	Apache License 2.0	2.15.4	2.17.0
jackson-dataformat-xml	com.fasterxml.jackson.dataformat	Apache License 2.0	2.15.4	2.17.0
jackson-dataformat-yaml	com.fasterxml.jackson.dataformat	Apache License 2.0	2.15.4	2.17.0
jackson-datatype-jsr310	com.fasterxml.jackson.datatype	Apache License 2.0	2.15.4	2.17.0
javase	com.google.zxing	Apache License 2.0	3.5.1	3.5.3
jose4j	org.bitbucket.b_c	Apache License 2.0	0.9.4	0.9.6
jsoup	org.jsoup	MIT License	1.16.1	1.17.2
odata-client-api	org.apache.olingo	Apache License 2.0	4.9.0	5.0.0
odata-client-core	org.apache.olingo	Apache License 2.0	4.9.0	5.0.0
odata-commons-api	org.apache.olingo	Apache License 2.0	4.9.0	5.0.0
odata-commons-core	org.apache.olingo	Apache License 2.0	4.9.0	5.0.0
reactor-core	io.projectreactor	Apache License 2.0	3.6.5	3.6.4
Saxon-HE	net.sf.saxon	Mozilla Public License Version 2.0	11.6	12.4
springdoc-openapi-starter-common	org.springdoc	Apache License 2.0	2.1.0	2.4.0
springdoc-openapi-starter-webmvc-api	org.springdoc	Apache License 2.0	2.1.0	2.4.0
stax2-api	org.codehaus.woodstox	BSD License	4.2.1	4.2.2
swagger-annotations-jakarta	io.swagger.core.v3	Apache License 2.0	2.2.9	2.2.21
swagger-core-jakarta	io.swagger.core.v3	Apache License 2.0	2.2.9	2.2.21
swagger-models-jakarta	io.swagger.core.v3	Apache License 2.0	2.2.9	2.2.21
woodstox-core	com.fasterxml.woodstox	Apache License 2.0	6.5.1	6.6.1
xmlresolver	org.xmlresolver	Apache License 2.0	5.2.1	5.2.2

9. Retirement announcement

For a full list of deprecated features, go to Deprecated features.

Removed legacy properties can be found in the Release 17.0 Upgrade Instructions.

10. Bug fixes

Identifier	Component	Issue	Solution
BQ-22611		In Blueriq 16.9 the date/time handling was performance optimized. As an unexpected side effect, the handling of historical dates (before the Gregorian calendar was in existence) could be incorrect because Julian and Gregorian date handling was sometimes mixed up	Starting in Blueriq 17.0, historic dates (before 15-10-1582 Gregorian) are interpreted and formatted using the (proleptic) Gregorian calendar rules instead of the Julian calendar rules.

11. Known issues

For an overview of known issue please refer to: Known issues