Jaspersoft
Platform Support Guide
Commercial Edition 8.0.4

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Overview

This document contains a list of platforms that are supported in editions of the Jaspersoft Version 8.0.x product releases:

- JasperReports® Server 8.0.x
- Jaspersoft Studio Pro 8.0.x
- JasperReports IO Pro 3.0.x
- JasperReports IO At-Scale 3.0.x
- JasperReports Library 8.0.x
- JasperReports Web Studio Pro 1.0.0

Support Policies

1. Certification Levels. Platforms denoted as "Certified" are fully tested and supported by Jaspersoft. Platforms denoted as "Compatible" may be either: partially tested, tested in past releases, or noted as upward compatible by the platform vendor.

2. Product issues must be reproduced on a Certified platform as listed in this document; otherwise Jaspersoft will offer "Guidance Level" support as defined below:

   a) Jaspersoft Customer Support will log a case, collect the information and review it (without necessarily setting up the customer environment) to make educated suggestions as to what is happening and how to resolve the issue, but without any commitment to resolve the issue.
   b) Support may choose to review customers' configuration files or code snippets.
   c) Support will provide information on the technology such as FAQs, helpful websites, documentation references, etc. Support may also include research of other avenues including consultation with Jaspersoft Engineering, Sales Engineering and Professional Services.

Application Servers[1]

JasperReports Server

Application Server	Version	JasperReports Server
Apache/Jakarta Tomcat[2]	8.5.x, 9.0.x	Certified
WildFly	18, 19	Certified
JBoss EAP	7.2.0	Certified
IBM WebSphere (WAS)	8.5.5.14, 9.0.5.1, 9.0.5.5	Certified
Oracle WebLogic Server	12.2.1.1, 12.2.1.2, 12.2.1.3, 14.1	Certified

JasperReports IO Pro

Application Server	Version	JasperReports IO Pro
Jetty	9.4.31.v20200723	Certified

JasperReports Web Studio Pro

Application Server	Version	JasperReports IO Pro
Jetty	10.0.7	Certified

Web Browsers

Item	Version	Commercial
Mozilla Firefox	85 or higher	Certified
Microsoft Edge	88.x or higher	Certified
Apple Safari	14.1 or higher (MacOSX)	Certified
Google Chrome	95.0 or higher	Certified

Headless Browser

Item	OS	Version	JasperReports Server
Chromium	MacOS, Linux, Windows	85 or higher	Certified

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[1] Minimum system requirements: 2 Core processor, 8 GB RAM, 10GB free disk space
Recommended system requirements: 2.5 Ghz multi Core processor, 12GB RAM, 40GB free disk space
[2] Jaspersoft Cloud offerings (TIBCO Jaspersoft Reporting and Analytics for AWS, TIBCO Jaspersoft Reporting and Analytics for Azure) may support a later (minor) version of Tomcat of a supported major version for TIBCO JasperReports® Server.

Databases

The following table lists databases that are supported for:
- JasperReports® Server 8.0.x
- Jaspersoft Studio Pro 8.0.x
- JasperReports IO Pro 3.0.x
- JasperReports Web Studio Pro 1.0

Database	Version	Type	Commercial
Bean			Certified
JNDI			Certified
Jaspersoft OLAP (Mondrian) Connection			Certified
XML/A Connection			Certified
Custom (e.g. Hibernate, XML, etc.)			Certified
MySQL (InnoDB storage engine)	5.5.62, 5.6.46, 5.7.28 8.0[3]	Data Source Repository	Certified
Oracle RDBMS	12cR1 12.1.0.2, 12cR2 12.2.0.1, 18c (18.3), 19c	Data Source Repository	Certified
PostgreSQL	9.5.x, 9.6.x, 10.x, 11.x, 12.x	Data Source Repository	Certified
IBM DB2	10.5, 11.5	Data Source Repository	Certified
Microsoft SQL Server	2014, 2016, 2017, 2019	Data Source Repository	Certified
Microsoft SQL Azure	Latest	Data Source	Certified
JBoss Teiid	9.1.1	Data Source	Certified
Sybase ASE	15.7	Data Source	Certified
Sybase SQL Anywhere	17	Data Source	Certified
ElasticSearch[4]	7.13.4	Data Source	Certified
Neo4j	4.0.3	Data Source	Certified
TIBCO Data Virtualization	8.2.0, 8.3.0	Data Source	Certified
AWS Athena[5]	1, 2	Data Source	Certified
AWS Redshift		Data Source	Certified
AWS RDS - PostgreSQL	11.5	Data Source	Certified
REST API	6.0.0	Data Source	Certified
Relational: JDBC 2.1 + SQL-92			Compatible
Infobright	3.4	Data Source	Compatible

[3] MySQL 8.0 Native Driver is not supported on WebLogic for this release, but MariaDB 2.5.3 driver is supported.
[4] Refer to the JasperReports Server Release Notes for limitations with ElasticSearch. For ElasticSearch 7.6 users, refer to the Elastic website for instructions on how to upgrade from ElasticSearch 7.6.
[5] Only databases under the default catalog (AwsDataCatalog) will be displayed.

Vertica	10	Data Source	Compatible
Greenplum Database	4.2.3	Data Source	Compatible
Ingres Vectorwise	2.5	Data Source	Compatible
Netezza	6.0	Data Source	Compatible
Teradata	15	Data Source	Compatible
Snowflake		Data Source	Compatible

Big Data Certified Support (JDBC Drivers)[6]

The following table lists JDBC Drivers that are supported for:
- JasperReports® Server 8.0.x
- Jaspersoft Studio Pro 8.0.x
- JasperReports IO Pro 3.0.x
- JasperReports Web Studio Pro 1.0

Data Source	Versions	JasperReports Server
MongoDB	Versions 3.6 - 4.0	Certified
	4.2.6	Compatible
Hive 2	Cloudera 5.3 - 5.7 HDP 2.3 - 2.4	Certified
Impala	Impala version 2.6 - 3.20 (CDH 5.8 - 6.2.0)	Certified
Cassandra	Apache Cassandra 3.0 - 3.11	Certified
Spark SQL	Version 2.0 - 2.4.3	Certified
Salesforce		Certified
DataStax Enterprise	4.8, 5.0, 5.1, 6.0	Compatible

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[6] See Definitions for Certified and Compatible on the Page 1 Overview
[7] Virtual Connections are supported only on JasperReports Server (JRS)

JDBC/SQL Support Note

JasperReports Server data Domains and Jaspersoft OLAP (which both dynamically generate queries) work with any JDBC 2.1 and SQL-92 or higher compliant data source that support the following JDBC metadata methods and SQL syntax. Additionally supported data types and virtual objects are listed:

- JDBC 2.1 metadata API methods
    - `java.sql.DatabaseMetaData`
        - `getDatabaseProductName`
        - `getIdentifierQuoteString`
        - `storesUpperCaseIdentifiers`
        - `getMaxColumnNameLength`
        - `getSchemas`
        - `getCatalogs`
        - `getTables`
        - `getColumns`
        - `getImportedKeys`
    - `java.sql.ResultSetMetaData`
        - `getColumnCount`
        - `getColumnLabel`
        - `getColumnName`
        - `getColumnType`
- Any RDBMS that can run ANSI SQL 92 or at least can run these SQL statements:
    - Join syntax
        - `SELECT a.`id` AS id, ... FROM `table_a` a [ INNER | LEFT OUTER | RIGHT OUTER | FULL OUTER ] JOIN `table_b` b ON a.field = b.field`
    - Subqueries
        - `SELECT ... FROM (SELECT ... ) query1 ...`
    - Filters
        - `SELECT ... FROM .. WHERE a.`state` = 'CA' AND a.`city` = 'San Francisco'`
    - Group By:
        - `SELECT ... FROM .. GROUP BY group_field_1, ...`
    - Order By: ....
        - `SELECT ... FROM .. ORDER BY order_field_1, ...`
    - Operators
        - `+, -, *, /, comparison, LIKE, IN, BETWEEN ... AND`
    - Date and timestamp literals
        - `By default, ISO-8601 formats are generated: 'yyyy-MM-dd' and 'yyyy-MM-dd hh:mm:ss'. These formats can be overridden if the database expects different formats.`
- Supported data types:
    - Character types : `CHAR, VARCHAR (including Oracle's VARCHAR2), LONGVARCHAR, NVARCHAR2`
    - Numeric types : `BIGINT, DECIMAL, DOUBLE, FLOAT, INTEGER, NUMERIC, REAL, SMALLINT, TINYINT`
    - Date types : `DATE, TIME, TIMESTAMP`
    - Boolean types : `BIT`
- Supported virtual Objects:
    - `Table Views`
    - `Synonyms`

Not supported:
- `Stored Procedures`

Operating Systems

All combinations of listed Operating Systems/App Servers/Databases are supported (where supported by third parties themselves). If a combination is not included in one of the installers, then the setup is documented and requires manual installation using a WAR file. WAR installation is supported for 64-bit versions (where available).

Note: A Binary Installer is available for Windows, Linux, and Mac. The Binary Installer installs JasperReports Server, automatically configures the JasperReports Server database, and optionally installs the sample data for working with tutorials. It uses the Tomcat application server and the PostgreSQL database.

The Binary Installer is intended for evaluation purposes only. To install JasperReports Server for enterprise production environments, use the stand-alone WAR file distribution, which is the official JasperReports Server installer. Note that after a release, Binary Installers are not updated with the latest versions of the third-party components, and therefore may contain components that can become insecure.

JasperReports Server/Jaspersoft Studio

Operating System	Version	JasperReports Server	Installation	Jaspersoft Studio
Microsoft Windows[8] 64-bit (x86-64) [9*JSS]	10 (Professional, Enterprise), 2012, 2016, 2019	Certified	Automated Installer for 64-bit bundled with Apache Tomcat App Server and PostgreSQL Repository. Or Manual WAR File for 64-bit	Certified for: Windows Vista SP2, 2008 R1/R2, 7 SP1, 8, 8.1, 10, 2012, 2016
Red Hat Enterprise Linux (RHEL) (64-bit)	6.10, 7.4-7.6, 7.8, 8.0, 8.2	Certified	Automated Installer bundled with Apache Tomcat App Server and PostgreSQL Repository. Or Manual WAR File.	Certified using Automatic Installer
Novell SUSE Linux Enterprise Server (SLES) (64-bit)	12.1, 15	Certified	Automated Installer bundled with Apache Tomcat App Server and PostgreSQL Repository. Or Manual WAR File.	Certified using Automatic Installer

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[8] Jaspersoft OLAP Schema Workbench requires XP SP2, SP3 Vista SP2, 7 SP1
[9] The following platforms are supported by Jaspersoft Studio:
- Windows 10
- Mac OS X 10.15, 11x
- RHEL 8.2, Suse Linux Enterprise Server 15 SP2, Ubuntu LTS 20.04

Apple MacOS X	10.8, 10.9, 10.10, 10.11, 10.12, 10.13, 10.14, 10.15,11.x	Certified	Automated Installer bundled with Apache Tomcat App Server and PostgreSQL Repository. Or Manual WAR File.	Certified using Automatic Installer
Debian Linux	8, 9, 10	Certified	Manual WAR File	Certified using Automatic Installer
CentOS	6.x, 7.x	Certified	Automated Installer bundled with Apache Tomcat App Server and PostgreSQL Repository. Or Manual WAR File	Certified using Automatic Installer
Ubuntu	14.04 LTS, 18.04 LTS (only when deployed via buildomatic), 20.04 LTS (only when deployed via buildomatic), 22.04 LTS (only when deployed via buildomatic)	Certified	Automated Installer bundled with Apache Tomcat App Server and PostgreSQL Repository. Or Manual WAR File	Certified using Automatic Installer
Amazon Linux	Amazon Linux 1, Amazon Linux 2	Certified	Automated Installer bundled with Apache Tomcat App Server and PostgreSQL Repository. Or Manual WAR File	
Solaris SPARC	10,11	Compatible	Manual WAR File	
Fedora	30	Compatible	Manual WAR File	Certified using Automatic Installer
FreeBSD	12	Compatible	Manual WAR File	
IBM AIX	7.2	Compatible	Manual WAR File	

JasperReports IO Pro/JasperReports Web Studio Pro

Operating System	Version	JasperReports IO Pro	JasperReports Web Studio Pro 1.0
Microsoft Windows 64-bit (x86-64)	10 (Professional, Enterprise), 2012, 2016, 2019	Certified	Certified
Red Hat Enterprise Linux (RHEL) (64-bit)	6.10, 7.4-7.6, 7.8, 8.0, 8.2	Certified	Certified
Novell SUSE Linux Enterprise Server (SLES) (64-bit)	12.1, 15	Certified	Certified
Apple MacOS X	10.8, 10.9, 10.10, 10.11, 10.12, 10.13, 10.14, 10.15,11.x	Certified	Certified
Debian Linux	8, 9, 10	Certified	Certified
CentOS	6.x, 7.x	Certified	Certified
Ubuntu	14.04 LTS, 18.04 LTS, 20.04 LTS, 22.04 LTS	Certified	Certified
Amazon Linux	Amazon Linux 1, Amazon Linux 2	Certified	Certified

Deployments

JasperReports Server is supported on the following platforms.

Platform	Version	JasperReports Server	JasperReports IO At-Scale
Docker	19.03.x, 20.10.x	Certified	Certified
Kubernetes	1.19.x, 1.20.x	Certified	Certified

For more information on Docker or Kubernetes deployments, refer to the Jaspersoft Docker Repository at https://github.com/TIBCOSoftware/js-docker.

Supported Docker Images

Image	JasperReports Server	JasperReports IO Pro	JasperReports IO At-Scale
adoptopenjdk/openjdk11:jre-11.0.8_10-alpine		Certified	Certified
tomcat:9.0.54-jdk11-openjdk tomcat:9.0.73-jdk17-temurin	Certified		
tomcat:9.0.54-jdk11-corretto tomcat:9.0.73-jdk17-corretto	Certified		
openjdk:11-jdk eclipse-temurin:17-jdk	Certified, required for buildomatic image		
amazoncorretto:11 amazoncorretto:17	Certified, required for buildomatic image		

Java Virtual Machines (JVM)

JDK / JRE Version	Version	JasperReports Server	Jaspersoft Studio	JasperReports IO Pro	JasperReports Web Studio Pro
Oracle/Sun Java JDK / JRE (64-bit)	8 (minimum required version 1.8.0_163), 11[10], 17[11]	Certified			
IBM Java JDK / JRE (for WebSphere) (64-bit)	8	Certified			
Eclipse Adoptium (formerly AdoptOpenJDK) • Oracle OpenJDK 11 • Eclipse OpenJ9[12] • HotSpot • Corretto[13]	8, 11[14]	Certified	Certified for OpenJDK 11	Certified for Java 11[15]	Certified for Java 11[16]

Jaspersoft ODBO Connect

Platform	Version	JasperReports Server
Microsoft Excel	2010 32-bit[17], 64-bit[18]	Compatible
Microsoft Windows	10	Compatible
Microsoft .NET Framework	2.0	Compatible

Jaspersoft OLAP Schema Workbench

Platform	Version	JasperReports Server

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[10] Supported in runtime, for source build use Java 8 compatibility mode of JDK 11 (source and target).

[11] Supported only in runtime, and when JasperReports Server is deployed on Tomcat 9.0.x.

[12] Formerly Adopt OpenJDK 11 for IBM J9, now called Eclipse OpenJ9. OpenJ9 is a source -only distribution from Eclipse; also available for download from IBM.

[13] Only supported in JasperReports Server Cloud installations

[14] Supported in runtime, for source build use Java 8 compatibility mode of JDK 11 (source and target).

[15] Eclipse OpenJ9 Java 11 is supported by JRIO Pro.

[16] Eclipse OpenJ9 Java 11 is supported by JRWS Pro.

[17] Requires ODBO Version 1.0.7

[18] Requires ODBO Version 1.0.8 or higher

NetBeans IDE	6.5.1 through 6.8	Certified

ECCN Numbers

Refer to the link below to get the ECCN numbers of all TIBCO products including Jaspersoft:

[TIBCO ECCN List](#)

Language Support

JasperReports Server includes bundles for the following languages:

- English
- French
- German
- Spanish
- Brazilian Portuguese
- Italian
- Japanese
- Simplified Chinese

Jaspersoft Studio can be run in the following languages:

- English
- Italian