



**Jaspersoft  
Platform Support Guide  
Community Edition 8.0**

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## Overview

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

- JasperReports® Server Community Edition 8.0
- Jaspersoft Studio Community Edition 8.0
- JasperReports Library Community Edition 8.0

## 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<sup>1</sup>

Application Server	Version	JasperReports Server
Apache/Jakarta Tomcat <sup>2</sup>	8.5.x, 9.0.x	Certified
WildFly	18, 19	Certified
JBoss EAP	7.2.0	Certified

## Web Browsers

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

## Headless Browser

Item	OS	Version	JasperReports Server
Chromium <sup>3</sup>	MacOS, Linux, Windows	85 or higher	Certified

## Databases

The following table lists databases that are supported for:

- JasperReports® Server 8.0
- Jaspersoft Studio Pro 8.0

Database	Version	Type	JasperReports Server
Bean			Certified
JNDI			Certified
Jaspersoft OLAP (Mondrian) Connection			Certified
XML/A Connection			Certified
Custom (e.g. Hibernate, XML, etc.)			Certified

<sup>1</sup> 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

<sup>2</sup> 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.

<sup>3</sup> Auto-detection only works for Chrome/Chromium; A different path can be specified for Chrome/Chromium in the installer; To use another browser, such as Edge, set the path in the js.config.properties file.

MySQL (InnoDB storage engine)	5.5.62, 5.6.46, 5.7.28, 8.0 <sup>4</sup>	Data Source Repository	Certified
Oracle RDBMS	12cR1 12.1.0.2, 12cR2 12.2.0.1, 18c (18.3), 19c	Data Source	Compatible
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	Compatible
Microsoft SQL Server	2014, 2016, 2017, 2019	Data Source	Compatible
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
Google BigQuery		Data Source	Certified
TIBCO Data Virtualization	8.2.0, 8.3.0	Data Source	Certified
AWS Athena <sup>5</sup>	1, 2	Data Source	Certified
AWS Redshift		Data Source	Certified
AWS RDS - PostgreSQL	11, 12	Data Source	Certified
REST API	6.0.0	Data Source	Certified
Relational: JDBC 2.1 + SQL-92			Compatible
Infobright	3.4	Data Source	Compatible
Vertica	9.2.1	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

<sup>4</sup> MySQL 8.0 Native Driver is not supported on WebLogic for this release, but MariaDB 2.5.3 driver is supported.

<sup>5</sup> Only databases under the default catalog (AwsDataCatalog) will be displayed.

## Big Data Certified Support (JDBC Drivers)<sup>6</sup>

The following table lists JDBC Drivers that are supported for:

- JasperReports® Server 8.0
- Jaspersoft Studio Pro 8.0

Data Source	Versions	JasperReports Server
MongoDB	Versions 3.6 - 4.0	Certified
	4.2.6	Compatible
Hive 2	<ul style="list-style-type: none"><li>• Cloudera 5.3-5.7</li><li>• HDP 2.3 - 2.4</li></ul>	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

## 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`

<sup>6</sup> See Definitions for Certified and Compatible on the Page 1 Overview

<sup>7</sup> Virtual Connections are supported only on JasperReports Server (JRS)

- 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.

Operating System	Version	JasperReports Server	Installation	Jaspersoft Studio
Microsoft Windows <sup>8</sup> 64-bit (x86-64) <sup>9*JSS</sup>	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
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)	Certified	Automated Installer bundled with Apache Tomcat App Server and PostgreSQL Repository.  Or Manual WAR File	Certified using Automatic Installer
Solaris SPARC	10,11	Compatible	Manual WAR File	

<sup>8</sup> Jaspersoft OLAP Schema Workbench requires XP SP2, SP3 Vista SP2, 7 SP1

<sup>9\*JSS</sup> All Windows OS, Linux and OSX are supported by Jaspersoft Studio



Fedora	30	Compatible	Manual WAR File	Certified using Automatic Installer
FreeBSD	12	Compatible	Manual WAR File	
IBM AIX	7.2	Compatible	Manual WAR File	

## Deployments

JasperReports Server is supported on the following platforms.

Platform	Version	JasperReports Server
Docker	19.03.x, 20.10.x	Certified
Kubernetes	1.19.x, 1.20.x	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
tomcat:9.0.54-jdk11-openjdk	Certified
tomcat:9.0.54-jdk11-corretto	Certified
openjdk:11-jdk	Certified, required for buildomatic image
amazoncorretto:11	Certified, required for buildomatic image

## Java Virtual Machines (JVM)

JDK / JRE Version	Version	JasperReports Server	Jaspersoft Studio
Oracle/Sun Java JDK / JRE (64-bit)	8 (minimum required version 1.8.0_163), 11 <sup>10</sup>	Certified	
IBM Java JDK / JRE (for WebSphere) (64-bit)	8	Certified	
Eclipse Adoptium (formerly AdoptOpenJDK) <ul style="list-style-type: none"> <li>• Oracle OpenJDK 11</li> <li>• Eclipse OpenJ9<sup>11</sup></li> <li>• HotSpot</li> <li>• Corretto<sup>12</sup></li> </ul>	8, 11 <sup>13</sup>	Certified	Certified for OpenJDK 11

## Jaspersoft ODBO Connect

<sup>10</sup> Supported in runtime, for source build use Java 8 compatibility mode of JDK 11 (source and target).

<sup>11</sup> 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.

<sup>12</sup> Only supported in JasperReports Server Cloud installations

<sup>13</sup> Supported in runtime, for source build use Java 8 compatibility mode of JDK 11 (source and target).

Platform	Version	JasperReports Server
Microsoft Excel	2010 32-bit <sup>14</sup> , 64-bit <sup>15</sup>	Compatible
Microsoft Windows	10	Compatible
Microsoft .NET Framework	2.0	Compatible

## Jaspersoft OLAP Schema Workbench

Platform	Version	JasperReports Server
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

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<sup>14</sup> Requires ODBO Version 1.0.7

<sup>15</sup> Requires ODBO Version 1.0.8 or higher