Jaspersoft
Platform Support
Commercial Edition

Updated: March 2021

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Overview

This document contains a list of platforms that are supported in editions of the Jaspersoft Version 7.9 product releases:

- JasperReports® Server 7.9
- Jaspersoft Studio Pro 7.9
- JasperReports IO Pro 2.0
- JasperReports IO At-Scale 2.0
- JasperReports Library 7.9

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]

Application Server	Version	JasperReports Server
Apache/Jakarta Tomcat	8.5.0 - 8.5.43, 8.5.54, 8.5.57 9.0.1 - 9.0.27, 9.0.34, 9.0.37	Certified
WildFly	18, 19	Certified
JBoss EAP	7.0.0, 7.1.0, 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	Certified

Web Browsers

Item	Version	Commercial
Mozilla Firefox	77 or higher	Certified
Microsoft Edge	44.x or higher	Certified
Apple Safari	11.1 or higher (MacOSX)	Certified
Google Chrome	83.0 or higher	Certified
Apple iPad iOS Safari	7.0 or higher	Certified

Headless Browser

Item	OS	Version	JasperReports Server
Chromium[3]	MacOS, Linux, Windows	80 or higher	Certified

Databases

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	Data Source Repository	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

	8.0[2]		
Oracle RDBMS	12cR1 12.1.0.2, 12cR2 12.2.0.1, 18c (18.3), 19c	Data Source Repository	Certified
PostgreSQL	9.5.14, 9.6.10, 10.5, 11	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[3]	7.9	Data Source	Certified
Neo4j	4.0.3	Data Source	Certified
TIBCO Data Virtualization	7.0.7, 7.0.8, 8.0.0, 8.1.0, 8.1.1, 8.2.0, 8.3.0	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
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

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[2] MySQL 8.0 Native Driver is not supported on WebLogic for this release, but MariaDB 2.5.3 driver is supported.
[3] 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 to ElasticSearch 7.9.

Big Data Certified Support (JDBC Drivers)[4]

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

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

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

- o Subqueries
    - ▪ `SELECT ... FROM (SELECT ... ) query1 ...`
- o Filters
    - ▪ `SELECT ... FROM .. WHERE a.`state` = 'CA' AND a.`city` = 'San Francisco'`
- o Group By:
    - ▪ `SELECT ... FROM .. GROUP BY group_field_1, ...`
- o Order By: ………
    - ▪ `SELECT ... FROM .. ORDER BY order_field_1, ...`
- o Operators
    - ▪ `+, -, *, /, comparison, LIKE, IN, BETWEEN ... AND`
- o 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:
    - o **Character types** : `CHAR, VARCHAR (including Oracle's VARCHAR2), LONGVARCHAR, NVARCHAR2`
    - o **Numeric types** : `BIGINT, DECIMAL, DOUBLE, FLOAT, INTEGER, NUMERIC, REAL, SMALLINT, TINYINT`
    - o **Date types** : `DATE, TIME, TIMESTAMP`
    - o **Boolean types** : `BIT`
- ● Supported virtual Objects:
    - o `Table Views`
    - o `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).

Operating System	Version	JasperReports Server	Installation	Jaspersoft Studio
Microsoft Windows[6] 64-bit (x86-64) [7]*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	Certified	Automated Installer bundled with Apache Tomcat App Server and PostgreSQL Repository. Or Manual WAR File.	
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.	
Apple Mac OS X	10.8, 10.9, 10.10, 10.11, 10.12, 10.13, 10.14, 10.15	Certified	Automated Installer bundled with Apache Tomcat App Server and PostgreSQL Repository. Or Manual WAR File.	
Apple iPad iOS	10 and higher	Certified	Not applicable, the user connects to a server via the Safari browser.	
Debian Linux	8, 9	Certified	Manual WAR File	
CentOS	6.x, 7.x	Certified	Automated Installer bundled with Apache Tomcat App Server and PostgreSQL Repository.	

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

			Or Manual WAR File	
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	
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	
FreeBSD	12	Compatible	Manual WAR File	
IBM AIX	7.2	Compatible	Manual WAR File	

Java Virtual Machines (JVM)

JDK / JRE Version	Version	JasperReports Server
Oracle/Sun Java JDK / JRE (64-bit)	8 (minimum required version 1.8.0_163), 11	Certified
IBM Java JDK / JRE (for WebSphere) (64-bit)	8	Certified
OpenJDK [8*JSS] • Oracle OpenJDK 11 • Adopt OpenJDK 11 with IBM J9 • HotSpot [9] • Corretto [9]	8, 11	Certified

Jaspersoft ODBO Connect

Platform	Version	JasperReports Server
Microsoft Excel	2010 32-bit [10], 64-bit [11]	Compatible
Microsoft Windows	10	Compatible
Microsoft .NET Framework	2.0	Compatible

[8*JSS] OpenJDK is not supported in Jaspersoft Studio
[9] Only supported in JasperReports Server Cloud installations
[10] Requires ODBO Version 1.0.7
[11] Requires ODBO Version 1.0.8 or higher

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