# Jaspersoft Platform Support
## Commercial Edition

**Updated: Nov 24th, 2019**

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# Overview

This document contains a list of platforms that covers following Jaspersoft products: -

- JasperReports Server 7.5
- Jaspersoft Studio 7.5
- JasperReports IO Pro 1.2

## *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 | JasperReports IO |
|---|---|---|---|
| Apache/Jakarta Tomcat | 8.5.0 - 8.5.43 9.0.1 - 9.0.27 | Certified | |
| WildFly | 15, 16 | Certified | |
| JBoss EAP | 7.0.0, 7.1.0, 7.2.0 | Certified | |
| IBM WebSphere (WAS) | 8.5.5.14 | Certified | |
| Oracle WebLogic Server | 12.2.1.0,12.2.1.1 12.2.1.2,12.2.1.3 | Certified | |
| Jetty | 9.4.11.v20180605 | | Certified |

# Web Browsers

| Item | Version | Commercial |
|---|---|---|
| Mozilla Firefox | 70 or higher | Certified |
| Microsoft Internet Explorer[2] | 11 | Certified |
| Microsoft Edge | 44.x or higher | Certified |
| Apple Safari | 11.1 or higher (MacOSX) | Certified |
| Google Chrome | 74.0 or higher | Certified |
| Apple iPad iOS Safari | 7.0 or higher | Certified |

# Headless Browser

| Item | OS | Version | JasperReports Server |
|---|---|---|---|
| PhantomJS | MacOS | 2.1.1 | Certified |
| | Linux and Windows | 2.1.1 | |

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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] Compatibility mode is not supported

# Databases

| Database | Version | Type | JasperReports Server |
|---|---|---|---|
| Relational: JDBC 2.1 + SQL-92 | | | Compatible |
| 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 |
| Oracle RDBMS | 12cR1 12.1.0.2, 12cR2 12.2.0.1, 18c, 19c | Data Source Repository | Certified |
| PostgreSQL | 9.4.19, 9.5.14, 9.6.10, 10.5, 11 | Data Source Repository | Certified |
| IBM DB2 | 10.5 | Data Source Repository | Certified |
| Microsoft SQL Server | 2014, 2016, 2017 | Data Source Repository | Certified |
| Microsoft SQL Azure | Latest | Data Source | Certified |
| Infobright | 3.4 | Data Source | Compatible |
| Vertica | 9.2.1 | Data Source | Compatible |
| JBoss Teiid | 9.1.1 | Data Source | Certified |
| Greenplum Database | 4.2.3 | Data Source | Compatible |
| Ingres Vectorwise | 2.5 | Data Source | Compatible |
| Netezza | 6.0 | Data Source | Compatible |
| Sybase ASE | 15.7 | Data Source | Certified |
| Sybase SQL Anywhere | 17 | Data Source | Certified |
| Teradata | 15 | Data Source | Compatible |
| Rest API | 6.0.0 | Data Source | Certified |

## *Big Data Certified Support[3]*

| Data Source | Versions | JasperReports Server |
|---|---|---|
| MongoDB | Versions 3.6 - 4.0.x | Certified |
| Hive 2 | ● Cloudera 5.3-5.7<br>● 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 - 3.9 | Certified |
| Spark SQL | Version 1.5 - 2.4 | Certified |
| Salesforce | | Compatible |

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[3] See Definitions for Certified and Compatible on the Page 1 Overview
[4] 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).

| Operating System | Version | JasperReports Server | Installation |
|---|---|---|---|
| Microsoft Windows [5] <br><br> 64-bit (x86-64) [6*JSS] | 10, 2012, 2016, 2019 | Certified | Automated Installer for 64-bit bundled with Apache Tomcat App Server and PostgreSQL Repository. <br><br> Or Manual WAR File for 64-bit |
| Red Hat Enterprise Linux (RHEL) (64-bit) | 6.10, 7.4,7.5, 7.6 | Certified | Automated Installer bundled with Apache Tomcat App Server and PostgreSQL Repository. <br><br> Or Manual WAR File. |
| Novell SUSE Linux Enterprise Server (SLES) (64-bit) | 12.1 | Certified | Automated Installer bundled with Apache Tomcat App Server and PostgreSQL Repository. <br><br> Or Manual WAR File. |
| Apple Mac OS X | 10.8, 10.9, 10.10, 10.11, 10.12, 10.13, 10.14 | Certified | Automated Installer bundled with Apache Tomcat App Server and PostgreSQL Repository. <br><br> Or Manual WAR File. |
| Apple iPad iOS | 10 and higher | Certified | Not applicable, the user connects to a server via the Safari browser. |
| iPhone iOS – Mobile SDK | 10 and higher | App Only Certified | |
| Android – Mobile SDK | 4.4 and higher | App Only Certified | |
| Solaris SPARC | 10,11 | Compatible | Manual WAR File |
| Fedora | 28, 29, 30 | Compatible | Manual WAR File |

[5] Jaspersoft OLAP Schema Workbench require XP SP2, SP3 Vista SP2, 7 SP1
[6*JSS] All Windows OS, Linux and OSX are supported by Jaspersoft Studio

| | | | |
|---|---|---|---|
| Debian Linux | 8, 9 | Certified | Manual WAR File |
| FreeBSD | 12 | Compatible | Manual WAR File |
| IBM AIX | 7.2 | Compatible | Manual WAR File |
| CentOS | 6.x, 7.x | Certified | Automated Installer bundled with Apache Tomcat App Server and PostgreSQL Repository.<br><br>Or Manual WAR File |
| Ubuntu | 14.04 LTS<br>18.04 LTS (only when deployed via buildomatic) | Certified | Automated Installer bundled with Apache Tomcat App Server and PostgreSQL Repository.<br><br>Or 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 [7*JSS]<br><br>• Oracle OpenJDK 11<br>• Adopt OpenJDK 11 with IBM J9 | 8, 11 | Certified |

# Jaspersoft ODBO Connect

| Platform | Version | JasperReports Server |
|---|---|---|
| Microsoft Excel | 2003, 2007, 2010 32-bit[8], 64-bit[9] | Certified |
| Microsoft Windows | Vista, 7 | Certified |
| Microsoft .NET Framework | 2.0 | Certified |

# Jaspersoft OLAP Schema Workbench

| Platform | Version | JasperReports Server |
|---|---|---|
| NetBeans IDE | 6.5.1 through 6.8 | Certified |

# ECCN Numbers

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

TIBCO ECCN List

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[7*JSS] OpenJDK is not supported in Jaspersoft Studio
[8] Requires ODBO Version 1.0.7
[9] Requires ODBO Version 1.0.8 or higher

# 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