



# **Jaspersoft 6.0 Platform Support**

**Updated: November 26, 2014**

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## Overview

This document contains a list of platforms that are supported in editions of the Jaspersoft Version 5.6.1 product release.

### ***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.

## Commercial and Community Editions

Unless specifically noted otherwise, the platforms listed in this document apply to both Commercial and Community editions of Jaspersoft products.

## Application Servers<sup>1</sup>

| Application Server     | Version                      | Commercial | Community |
|------------------------|------------------------------|------------|-----------|
| Apache/Jakarta Tomcat  | 6.0, 7.0                     | Certified  | Certified |
| JBoss AS               | 5.1, 7.1                     | Certified  | Certified |
| JBoss EAP              | 6.0.1, 6.1.1, 6.2            | Certified  | Certified |
| IBM WebSphere (WAS)    | 7.0, 8.0 <sup>2</sup>        | Certified  |           |
| GlassFish              | 2.1, 3.0, 3.1.2              | Certified  |           |
| Oracle WebLogic Server | 10.3.5, 10.3.6, 12c          | Certified  |           |
| SpringSource tc Server | 2.0.x bundle (6.0.x runtime) | Compatible |           |
|                        | 2.1.5                        | Certified  |           |

## Web Browsers

| Item                        | Version       | Commercial | Community |
|-----------------------------|---------------|------------|-----------|
| Mozilla Firefox             | 4.0 or higher | Certified  | Certified |
| Microsoft Internet Explorer | 8, 9, 10, 11  | Certified  | Certified |
| Apple Safari                | 4.0, 5.0      | Certified  | Certified |
| Google Chrome               | 6.0 or higher | Certified  | Certified |
| Adobe Acrobat               | 7 or higher   | Certified  | Certified |
| Adobe Flash <sup>3</sup>    | 8 or higher   | Certified  | Certified |
| Apple iPad iOS Safari       | 6 or higher   | Certified  | Certified |

## Portal Servers

| Platform                    | Version | Commercial | Community |
|-----------------------------|---------|------------|-----------|
| Liferay Portal <sup>4</sup> | 6.1.1   | Certified  | Certified |
| JBoss Portal                | 2.7     | Certified  | Certified |

<sup>1</sup> Recommended minimum system requirements: 2 Core processor, 4GB RAM, 10GB free disk space

<sup>2</sup> IBM WebSphere is only supported with the IBM JDK Version 1.6

<sup>3</sup> Required for rendering of the Flash based Professional Charts, Maps, and Widget components in reports.

<sup>4</sup> Certified for Tomcat App Server.

# Databases

| Database   | Version                     | Commercial             |                   | Community   |                   |
|--|-----------------------------|------------------------|-------------------|-------------|-------------------|
|  |                             | Data Source            | Server Repository | Data Source | Server Repository |
| Relational: JDBC 2.1 + SQL-92                      | See notes below for details | Compatible             |                   | Compatible  |                   |
| Bean   |                             | Compatible             |                   | Compatible  |                   |
| JNDI   |                             | Compatible             |                   | Compatible  |                   |
| Jaspersoft OLAP (Mondrian) Connection              |                             | Compatible             |                   | Compatible  |                   |
| XML/A Connection                                   |                             | Compatible             |                   | Compatible  |                   |
| Custom (e.g. Hibernate, XML, etc.)                 |                             |                        |                   | Compatible  |                   |
| MySQL (InnoDB storage engine)                      | 5.1                         | Compatible             |                   |             |                   |
|  | 5.5, 5.6                    | Certified              | Certified         |             |                   |
| Oracle RDBMS                                       | 11g R1, 11g R2              | Certified              | Certified         |             |                   |
|  | 12c                         | Certified              |                   |             |                   |
| PostgreSQL   | 9.1, 9.2, 9.3               | Certified              | Certified         | Certified   | Certified         |
| IBM DB2  | 9.7, 10.1, 10.5             | Certified              | Compatible        |             |                   |
| Microsoft SQL Server                               | 2005, 2008 R2<br>2012, 2014 | Certified              | Certified         |             |                   |
| Infobright   | 3.2                         | Certified              |                   |             |                   |
|  | 3.4                         | Certified              |                   |             |                   |
| Vertica  | 4.1, 5.1, 6.1               | Certified              |                   |             |                   |
| JBoss Metamatrix Enterprise Data Services Platform | 5.5.4 <sup>5</sup>          | Certified              |                   |             |                   |
| JBoss Teiid  | 8.7                         | Certified              |                   |             |                   |
| Greenplum Database                                 | 3.3                         | Compatible             |                   |             |                   |
|  | 4.0, 4.2.3                  | Certified              |                   |             |                   |
| Ingres Vectorwise                                  | 2.0.2, 2.5                  | Certified              |                   |             |                   |
| Netezza  | 6.0                         | Certified              |                   |             |                   |
| Sybase ASE   | 15                          | Certified              |                   |             |                   |
| Teradata   | 13.10                       | Certified <sup>6</sup> |                   |             |                   |

<sup>5</sup> Currently supported commercial version of JDBC driver for JBoss Data Services 5.5.x works only under Java 5 (not Java 6).

<sup>6</sup> JRS Domain features Derived Tables and Calculated fields are not supported

## Big Data Certified Support<sup>7</sup>

| Data Source   | Connection Type <sup>8</sup>   | Notes  |
|---------------|--|--|
| Mongo DB 2.4x | Virtual <ul style="list-style-type: none"> <li>• Domains<sup>9</sup>, Topics/Queries</li> <li>• Push Down Query and Calculation</li> <li>• Supported in Jaspersoft Studio via Domain Plug-in</li> </ul>        |  |
|               | Native <ul style="list-style-type: none"> <li>• Domains<sup>9</sup>, Topics/Queries</li> <li>• Supports Native APIs</li> <li>• Query Parameters</li> <li>• JSS and JRS Custom Sources</li> </ul>               | <ul style="list-style-type: none"> <li>• JSS will not support Mongo DB through Domains</li> </ul>  |
| Hive 1, 2     | Via TIBCO JDBC <ul style="list-style-type: none"> <li>• Domains<sup>9</sup>, Topics/Queries</li> <li>• Push Down Query and Calculation</li> <li>• Supported in Jaspersoft Studio via Domain Plug-in</li> </ul> | <ul style="list-style-type: none"> <li>• Cloudera 4.0.x – 5.1 (Hive version 0.8x-0.13x)</li> <li>• HDP 1.3, 2.0 (Hive version 0.11x,0.12x)</li> <li>• Apache Hadoop (Hive version 0.8x-0.12x)</li> </ul> |
| Impala        | Virtual <ul style="list-style-type: none"> <li>• Domains<sup>9</sup>, Topics/Queries</li> <li>• Push Down Query and Calculation</li> <li>• Supported in Jaspersoft Studio via Domain Plug-in</li> </ul>        | <ul style="list-style-type: none"> <li>• Impala version 1.3.x</li> </ul>   |
|               | Native <ul style="list-style-type: none"> <li>• Domains<sup>9</sup>, Topics/Queries</li> <li>• Native Commands (HiveQL)</li> <li>• Query Parameters</li> </ul>   |  |
| Cassandra     | Virtual <ul style="list-style-type: none"> <li>• Domains<sup>9</sup>, Topics/Queries</li> <li>• Push Down Query and Calculation</li> <li>• Supported in Jaspersoft Studio via Domain Plug-in</li> </ul>        | Certified CQL 3: <ul style="list-style-type: none"> <li>• Data Stax Cassandra 4.0 (Apache Cassandra 2.0)</li> <li>• JSS will not support Cassandra through Domains</li> </ul>                            |
|               | Native <ul style="list-style-type: none"> <li>• Domains<sup>9</sup>, Topics/Queries</li> <li>• Native Commands (CQL3)</li> <li>• Query Parameters</li> <li>• JSS and JRS Custom Sources</li> </ul>             |  |

## Big Data Compatible Support

| Data Source                 | Connection Type                         | Notes   |
|-----------------------------|---|---|
| Hive 1, 2                   | Native, Virtual                         | <ul style="list-style-type: none"> <li>• MapR 2.0 (Hive version 0.9x)</li> <li>• HDP 2.1 (Hive version 0.13x)</li> <li>• Amazon EMR (Hive version 0.8x,0.9x,0.11x)</li> </ul> |
| Impala 1.4, 2.0             | Native, Virtual                         | <ul style="list-style-type: none"> <li>• See Impala Certification item for more details.</li> </ul>   |
| ElasticSearch               | Via Custom Data Source                  | <ul style="list-style-type: none"> <li>• Version 1.4</li> </ul>   |
| Spark 1.1                   | Via a Custom Data Source and TIBCO JDBC | <ul style="list-style-type: none"> <li>• Spark SQL, ThiftServer</li> </ul>  |
| Salesforce (API Version 29) | Via TIBCO JDBC                          | <ul style="list-style-type: none"> <li>• Product Version 5.1.3</li> </ul>   |

<sup>7</sup> See Definitions for Certified and Compatible on the Page 1 Overview

<sup>8</sup> Virtual Connections are supported only on JasperReports Server (JRS)

<sup>9</sup> Domains are not available on Community Editions

## 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
    - getColumnTypes
- 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 32-bit and 64-bit versions (where available).

| Operating System   | Version  | Commercial | Community  | Installation Method   |
|--|--|------------|------------|---|
| Microsoft Windows <sup>10</sup><br>32-bit or 64-bit<br>(x86-64)  | Vista <sup>11</sup> SP2<br>2008 R1, R2<br>7 <sup>12</sup> SP1, 8, 8.1,<br>2012 | Certified  | Certified  | Automated Installer bundled with Apache Tomcat 6.0 App Server and PostgreSQL 9.0 Repository.<br><br>Or Manual WAR File. |
| Red Hat Enterprise Linux (RHEL)<br>(32-bit or 64-bit)            | 5.5, 5.6, 6.1, 6.4   | Certified  | Certified  | Automated Installer bundled with Apache Tomcat 6.0 App Server and PostgreSQL 9.0 Repository.<br><br>Or Manual WAR File. |
| Novell SUSE Linux Enterprise Server (SLES)<br>(32-bit or 64-bit) | 10.3, 11.1   | Certified  | Certified  | Automated Installer bundled with Apache Tomcat 6.0 App Server and PostgreSQL 9.0 Repository.<br><br>Or Manual WAR File. |
| Apple Mac OS X   | 10.5, 10.6, 10.7   | Certified  | Certified  | Automated Installer bundled with Apache Tomcat 6.0 App Server and PostgreSQL 9.0 Repository.<br><br>Or Manual WAR File. |
| Apple iPad iOS   | 6.0 and higher   | Certified  | Certified  | Not applicable, the user connects to a server via the Safari browser.   |
| iPhone iOS – Mobile SDK  | 6.0 and higher   |            | Compatible | Not applicable, the user connects to a server via native application.   |
| Android – Mobile SDK   | 2.2 and higher   |            | Compatible | Not applicable, the user connects to a server via native application.   |
| Solaris SPARC  | 10,11  | Certified  | Compatible | Manual WAR File   |
| Fedora   | 18, 19, 20   | Compatible | Compatible | Manual WAR File   |
| Debian Linux   | 6.0 (PowerPC,<br>x86-32, x86-64)   | Certified  | Compatible | Manual WAR File   |
| HP-UX  | 11.23, 11.31   | Certified  | Compatible | Manual WAR File   |
| FreeBSD  | 8.1  | Certified  | Compatible | Manual WAR File   |
| IBM AIX  | 6.1  | Compatible | Compatible | Manual WAR File   |
| CentOS   | 5.x, 6.4   | Certified  | Compatible | Manual WAR File   |
| Ubuntu   | 12, 14   | Certified  | Compatible | Manual WAR File   |

<sup>10</sup> IReport and Jaspersoft OLAP Schema Workbench require XP SP2, SP3 Vista SP2, 7 SP1

<sup>11</sup> Admin rights required to install and run on Vista.

<sup>12</sup> Admin rights required to install and run on Windows 7.



## Java Virtual Machines (JVM)

| JDK / JRE Version  | Version           | Commercial | Community |
|--|-------------------|------------|-----------|
| Oracle/Sun Java JDK / JRE<br>(32-bit or 64-bit)  | 1.6, 1.7          | Certified  | Certified |
| IBM Java JDK / JRE (for WebSphere)<br>(32-bit or 64-bit)   | 1.6 <sup>13</sup> | Certified  |           |
| OpenJDK<br>RunTime Environment (IcedTea6 1.9.7)<br>64-Bit Server VM (build 19.0-b09, mixed mode) | 1.6.0_20,<br>1.7  | Certified  |           |

## Jaspersoft ODBO Connect

| Platform                 | Version  | Commercial | Community |
|--------------------------|--|------------|-----------|
| Microsoft Excel          | 2003, 2007,<br>2010 32-bit <sup>14</sup> ,<br>64-bit <sup>15</sup> | Certified  |           |
| Microsoft Windows        | Vista, 7   | Certified  |           |
| Microsoft .NET Framework | 2.0  | Certified  |           |

## iReport Designer and Jaspersoft OLAP Schema Workbench

| Platform     | Version           | Commercial | Community |
|--------------|-------------------|------------|-----------|
| NetBeans IDE | 6.5.1 through 6.8 | Certified  | Certified |

## Jaspersoft ETL (Version 5.5.1)

| Application Server    | Version | Commercial |
|-----------------------|---------|------------|
| Apache/Jakarta Tomcat | 7       | Certified  |
| Apache/Jakarta Tomcat | 6       | Compatible |
| JBoss AS              | 4.2.2   | Compatible |
| Oracle Weblogic       | 11      | Compatible |

<sup>13</sup> Supported only with IBM Websphere

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

<sup>15</sup> 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