Business Objects
an SAP® company

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Crystal Reports Server 2008 for Linux

Supported Platforms

Overview

This document lists specific platforms and configurations for Crystal Reports Server 2008 for Linux.

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Introduction

This document contains information specific to platforms and configurations for the Crystal Reports Server 2008 release. For the latest information on updates to this document, please visit the support area of the web site at: http://www.businessobjects.com/.

NOTE	Anything that is highlighted using red font indicates that it is an update, addition or correction made after the original release of this document.

Products

Desktop

Desktop products are only available on Windows. Please go to our supported platforms web site and refer to the platforms document corresponding to this operating system for a detailed list of the supported languages and platforms.

Server

- Crystal Reports® 2008 (server components)

Languages

- Chinese Simplified
- Chinese Traditional
- Dutch
- English
- French
- German
- Italian
- Japanese
- Korean
- Portuguese (Brazil)
- Spanish
- Swedish

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Supported Operating Systems

- Red Hat Linux Enterprise Server 4
- Red Hat Linux Advanced Server 4
- SuSE Linux Enterprise Server 9 SP3
- SuSE Linux Enterprise Server 10

Minimum Hardware Requirements for Crystal Reports 2008

- 2.0 GHz Pentium 4-class processor
- 2 GB RAM
- 5.1 GB hard drive for Crystal Reports Server

Note 1:

- Crystal Reports Server 2008 software is supported running on 32-bit versions of Windows running on x86 and x64 CPUs made by AMD and Intel.
- Crystal Reports Server 2008 software is supported running on 64-bit versions of Windows running on x64 CPUs made by AMD and Intel.

Note 2: Non-English languages can be added to Crystal Reports Server 2008 via Language Pack install. On average, an additional 0.2 GB hard disk space is required per language install.

Minimum Patch Level for Red Hat 4

Required minimum operating system install plus:

- compat-libstdc++-33-3.2.3-47.3.i386.rpm

Higher patches are supported by Crystal Reports Server 2008.

Minimum Patch Level for SLES 9

No additional components outside the minimum.

Higher patches are supported by Crystal Reports Server 2008.

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Minimum Patch Level for SLES 10

No additional components outside the minimum.

Higher patches are supported by Crystal Reports Server 2008.

Supported Locales

Language	RedHat/SuSE Locales
English	en_US.utf8
French	fr_FR.utf8
Japanese	ja_JP.utf8
Simplified Chinese	zh_CN.utf8
German	de_DE.utf8
Italian	it_IT.utf8
Spanish	es_ES.utf8
Dutch	nl_NL.utf8
Korean	ko_KR.utf8
Traditional Chinese	zh_HK.utf8
	zh_TW.utf8
Swedish	sv_SE.utf8
Portuguese	pt_BR.utf8

Please consult your Linux distribution locale documentation on how to install these on your operating system.

Supported Application Servers

Application Servers	JDK
JBoss 4.0.4	JDK 1.5.0_xx
Oracle Application Server 10gR3 (10.1.3)	JDK 1.5.0_xx
SAP Web Application Server 7 (4)	JDK 1.4.2_xx
Tomcat 5.5	JDK 1.5.0_xx

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Application Servers	JDK
WebLogic 9.2 MP2	JRockit 5.0+ (1) (2)
WebLogic 10 (3)	JRockit 5.0+
WebSphere Application Server 6.1.0.7	JDK 1.5.0_xx
WebSphere Application Server Community Edition 2.0	JDK 1.5.0_xx

(1) For WebLogic 9.2 running on Red Hat 4, the minimum requirement is 4.0 update 1 with glibc 2.3.4-2.9 and BEA JRockit 5.0 (R26.0.0) JDK (32-bit) and later.

(2) WebLogic 9.2 running on SuSe, the minimum requirement is SuSE 9.0 SP3 with BEA JRockit 5.0 (R26.0.0-189_CR269406) JDK (32 bit) and later.

(3) Not supported for SuSE.

(4) Not supported for Web Services.

Application Server Incremental Release Support Policy

Specified application servers versions have been successfully tested by Business Objects. Incremental releases of the specified versions defined by the last number in the application server name will be supported as they are made available, but may not have been tested by Business Objects. Exceptions in support will be documented.

JDK Version Support Policy

JDK major versions are specified to ensure the use of correct version when there are multiple choices provided by the vendor. Business Objects tests and supports any _xx release installed with a given application server.

HTTP Servers

Any supported by Application Server vendor.

Supported Portal Servers

- Oracle Portal Server 10g R3 (10.1.4) (JSR 168)
- WebLogic Portal Server 9.2.x (JSR168)
- WebLogic Portal Server 10.0.x (JSR168)

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- WebSphere Portal 6.0.x.x (JSR 168)

Portal Server minor release support policy

Specified portal servers versions have been successfully tested by Business Objects. Minor/incremental releases of the specified versions defined by the last number (or two in the case of Websphere) in the portal server version number will be supported as they are made available, but all may not have been tested by BO. Exceptions in support will be documented.

Supported Browsers

Browser OS	Browser	JVM
Mac	Firefox 2.0	Sun 1.5.0_xx Sun 1.6.0_02+
Windows	Firefox 2.0	Sun 1.5.0_xx Sun 1.6.0_02+
	IE 6.0 SP2	Sun 1.5.0_xx Sun 1.6.0_02+
	IE 7.0	Sun 1.5.0_xx Sun 1.6.0_02+

Mac Browser Support

Firefox 2.0 support is limited in scope to the following product areas:

- BusinessObjects Enterprise (InfoView and Central Management Console)

Data Source Middleware Support

Crystal Reports Server 2008 has been tested against data sources using 32-bit middleware connectivity. Unless otherwise specified, 64-bit middleware connectivity is not supported.

CMS Database (Repository) Databases

Provider Name	Data Connector

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Provider Name	Data Connector
IBM DB2/UDB for NT/Unix 8.2	DB2 Client 8.2
IBM DB2/UDB for NT/Unix/Linux 9.1	DB2 Client 9.1
IBM DB2/UDB for NT/Unix/Linux 9.5	DB2 Client 9.5
MySQL AB 5.0	MySQL AB ODBC 3.51
	MySQL AB JDBC 5.0 (1)
Oracle 10g R1 (10.1)	Oracle Net Client 10.1
Oracle 10g R2 (10.2)	Oracle Net Client 10.2
Oracle 9.2	Oracle Net Client 9.2
Sybase Adaptive Server Enterprise 12.5.2	Sybase Open Client 12.5.2
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15

(1) Connectivity not supported for CMS.

Crystal Reports Reporting Data Sources

Provider Name	Data Connector	Unicode Support
Generic JDBC Data Sources	Java 1.5	Yes
Generic ODBC Data Sources	ODBC	Yes
HP NeoView 2.2	HP NeoView ODBC 2.2	Yes
IBM DB2/UDB for iSeries 5.3	DB2 Client 8.2	Yes
	IBM iSeries Access (JDBC) 5.3	Yes
IBM DB2/UDB for iSeries 5.4	DB2 Connect 9.1	
	IBM iSeries Access (ODBC) 5.4	
IBM DB2/UDB for NT/Unix 8.2	DB2 Client 8.2	Yes
	DB2 JDBC 8.2	Yes
IBM DB2/UDB for NT/Unix/Linux 9.1	DB2 Client 9.1	Yes
	DB2 JDBC 9.1	Yes
IBM DB2/UDB for NT/Unix/Linux 9.5	DB2 Client 9.5	
	DB2 Universal JDBC Driver	Yes

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Provider Name	Data Connector	Unicode Support
IBM DB2/UDB for zSeries 7	DB2 Client 8.1	Yes
	DB2 ODBC Client 8.1	Yes
IBM DB2/UDB for zSeries 8	DB2 Client 8.2	Yes
IBM Informix Dynamic Server 10.0	DataDirect ODBC 5.3 (1)	Yes
IBM Informix Dynamic Server 9.4	DataDirect ODBC 5.3 (1)	Yes
MS SQL Server 2000 SP4	JDBC SQL Server 2000	Yes
	DataDirect ODBC 5.3 for MSQL (1)	Yes
MS SQL Server 2005 RTM/SP1/SP2	JDBC SQL Server 2005	Yes
	DataDirect ODBC 5.3 for MS SQL (1)	Yes
MS SQL Server 7.0 SP4	DataDirect ODBC 5.3 for MS SQL (1)	Yes
MySQL AB 5.0	MySQL AB ODBC 3.51	Yes
	MySQL AB JDBC 5.0	Yes
NCR Teradata V2R5.1	NCR Teradata ODBC 3.05 (TTU 8.1)	Yes
NCR Teradata V2R6	NCR Teradata ODBC 3.05 (TTU 8.1)	Yes
NCR Teradata V2R6	NCR Teradata ODBC 3.06 (TTU 8.2)	Yes
	NCR Teradata JDBC 3.04 (TTU 8.2)	
NCR Teradata V2R6.2	NCR Teradata ODBC 3.06 (TTU 8.2)	Yes
	NCR Teradata JDBC 3.04 (TTU 8.2)	
Netezza NPS Server 2.5	Netezza ODBC 2.5	Yes
Netezza NPS Server 3.0	Netezza ODBC 3.0	Yes
Netezza NPS Server 3.1	Netezza ODBC 3.1	Yes
	Netezza JDBC Access	
Oracle 10g R1 (10.1)	JDBC Oracle 10.1	Yes
	DataDirect ODBC 5.3 (1)	Yes
	Oracle Net Client 10.1	Yes
Oracle 10g R2 (10.2)	JDBC Oracle 10.2	Yes

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Provider Name	Data Connector	Unicode Support
	DataDirect ODBC 5.3 (1)	Yes
	Oracle Net Client 10.2	Yes
Oracle 9.2	JDBC Oracle 9.2	Yes
	DataDirect ODBC 5.3 (1)	Yes
	Oracle Net Client 9.2	Yes
Sybase ASE 12.5	JDBC Sybase 12.5	Yes
	DataDirect ODBC 5.3 (1)	Yes
	Sybase Open Client 12.5	
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15	
Technology		
JavaBean	JDK 1.4	Yes
XML	JDK 1.4	Yes
Crystal Reports Reporting Data Sources Supported for Scheduling Only		
Text	DataDirect ODBC 5.1 (1)	

(1) DataDirect drivers for Crystal Reports are available from Business Objects.

Generic ODBC, OLEDB and JDBC: Limitation

(Supported for Crystal Reports Only)

Database server, client and ODBC/JDBC/OLEDB driver used must support multiple threads.

Generic JDBC: 3rd Party JDBC Type 4-compliant drivers may potentially have issues as not all combinations have been tested, but are supported for *relational database access* as a general rule.

Generic ODBC: 3rd Party ODBC Level 2-compliant Drivers may potentially have issues as not all combinations have been tested yet, but are supported as a general rule.

Scheduled and On-demand Reporting

'Scheduling Only' indicates that the data connectivity is assumed to be single-threaded. Customers are recommended to use these with scheduled Crystal Reports instances, as concurrent on-demand reports will be handled serially.

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Other connectivity are assumed to be multi-threaded and suitable to be used for both scheduled and on-demand Crystal Report instances as concurrent on-demand reports will be handled in parallel.

Reverse Proxy Servers

- Apache HTTP Servers 2.2
- WebSEAL 6.0 (from IBM Tivoli Access Manager)

LDAP Directory

- IBM Tivoli Directory Server 5.2
- IBM Tivoli Directory Server 6.0
- Lotus Domino Directory 6.0.2
- Lotus Domino Directory 6.5.3
- Microsoft Active Directory Application Mode 2003 (ADAM)
- Microsoft Active Directory Application Mode 2003 (ADAM) SP1
- Novell eDirectory 8.7.3
- Novell eDirectory 8.8
- Oracle Internet Directory 10gR3 (10.1.3)
- Sun Java System Directory Server 5.2
- Sun Java System Directory Server Enterprise 6.0

Access Management

- eTrust (Netegrity) Siteminder 6.0

File Transfer Protocol (FTP) Requirements

The following are the guidelines that must be supported by any FTP Server being used in conjunction with BusinessObjects Enterprise as a scheduling destination.

- FTP server needs to support using "./" as a directory
- FTP server needs to support specifying a directory with a trailing "/"

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- FTP server needs to support filenames that are 20+ characters (if destination file names are generated randomly by BusinessObjects Enterprise.)
- FTP server needs to support specifying file names starting with a "~" character (if destination file names are generated randomly by BusinessObjects Enterprise.)

Finding More Information

For more information and resources, refer to the product documentation and visit the support area of the web site at:
http://www.businessobjects.com/

▶ www.businessobjects.com

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