

Crystal Reports Server 2008 V1 Service Pack 4 for Linux – Supported Platforms



Applies to:

Crystal Reports Server 2008 V1 Service Pack 4 for Linux. For more information, visit the [Business Objects homepage](#).

Summary

Supported Platforms Documented for Crystal Reports Server 2008 V1

Company: SAP

Created on: 3 August, 2011

Table of Contents

Introduction	3
Products	3
Desktop	3
Server	3
Languages	3
Supported Operating Systems	4
Minimum Hardware Requirements for Crystal Reports Server 2008 v1	4
Minimum Patch Level for Red Hat 4	4
Minimum Patch Level for Red Hat 5	4
Minimum Patch Level for SLES 9	5
Minimum Patch Level for SLES 10	5
Minimum Patch Level for SLES 10 SP2	5
Minimum Patch Level for SLES 11	5
Supported Locales	5
Supported Application Servers	6
Application Server Incremental Release Support Policy	7
JDK Version Support Policy	7
HTTP Servers	7
Supported Portal Servers	7
Portal Server minor release support policy	7
Supported Browsers	8
SVG and Flash support for Dashboard and Analytics	8
Data Source Middleware Support	8
CMS Database (Repository) & Audit Databases	8
Crystal Reports Reporting Data Sources	9
Generic ODBC, OLEDB and JDBC: Limitation	11
Scheduled and On-demand Reporting	11
Support for Integration Option for Microsoft SharePoint software	11
Reverse Proxy Servers	12
LDAP Directory	12
Access Management	12
VMWare ESX Support	12
File Transfer Protocol (FTP) Requirements	12
Related Content	13
Copyright	14

Introduction

This document contains information specific to platforms and configurations for the **Crystal Reports Server 2008 V1** Service Pack 4 release. For the latest information on updates to this document, please visit Business Objects Articles at: <https://www.sdn.sap.com/irj/sdn/businessobjects-articles>.

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 Server 2008 V1 (Server Components)

Languages

- Chinese Simplified
- Chinese Traditional
- Czech
- Danish
- Dutch
- English
- Finnish
- French
- German
- Hungarian
- Italian
- Japanese
- Korean
- Norwegian
- Polish
- Portuguese (Brazil)
- Slovak
- Slovene
- Spanish
- Swedish

- Russian
- Thai

Supported Operating Systems

- Red Hat Linux Enterprise Server 4
- Red Hat Linux Advanced Server 4
- Red Hat Linux Enterprise Server 5
- Red Hat Linux Enterprise Advanced Platform Server 5
- SuSE Linux Enterprise Server 9 SP3
- SuSE Linux Enterprise Server 10
- SuSE Linux Enterprise Server 10 SP2
- SUSE Linux Enterprise Server 11

Minimum Hardware Requirements for Crystal Reports Server 2008 v1

- 2.0 GHz Pentium 4-class processor
- 2 GB RAM
- 5.5 GB hard drive for **Crystal Reports Server 2008 V1** complete install

Note:

Crystal Reports Server 2008 V1 software is supported running on 32-bit versions of Linux running on x86 (32-bit) and x64 CPUs (64-bit) made by AMD and Intel.

Crystal Reports Server 2008 V1 software is supported running on 64-bit versions of Linux running on x64 CPUs made by AMD and Intel if it can reference the 32-bit operating system libraries as well as the 32-bit database and application client libraries.

Note: Additional languages can be installed in Crystal Reports Server 2008 V1 via Language Pack Install. On average, an additional 0.3 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 beyond the specified minimum patch requirement may be used, but they may not be officially tested against SAP BusinessObjects products.

Minimum Patch Level for Red Hat 5

Required minimum operating system install plus:

- RHBA-2007:0619-3

Higher patches beyond the specified minimum patch requirement may be used, but they may not be officially tested against SAP BusinessObjects products.

Minimum Patch Level for SLES 9

Required minimum operating system install plus:

- XFree86-4.3.99.902-43.22 (XFree86)
- XFree86-libs-4.3.99.902-43.22 (XFree86 Libs)

Higher patches beyond the specified minimum patch requirement may be used, but they may not be officially tested against SAP BusinessObjects products.

Minimum Patch Level for SLES 10

No additional components outside the minimum.

Higher patches beyond the specified minimum patch requirement may be used, but they may not be officially tested against SAP BusinessObjects products.

Minimum Patch Level for SLES 10 SP2

No additional components outside the minimum.

Higher patches beyond the specified minimum patch requirement may be used, but they may not be officially tested against SAP BusinessObjects products.

** SUSE Linux Enterprise Server 10 Service Pack 2 (Version 10.2, 06. May 2008)

Minimum Patch Level for SLES 11

No additional components outside the minimum.

Higher patches beyond the specified minimum patch requirement may be used, but they may not be officially tested against SAP BusinessObjects products.

** SUSE Linux Enterprise Server 11

Supported Locales

Language	Locales
Czech	cs_CZ.utf8
English	en_US.utf8
Finnish	fi_FI.utf8
French	fr_FR.utf8
Japanese	ja_JP.utf8
Simplified Chinese	zh_CN.utf8
German	de_DE.utf8
Hungarian	hu_HU.utf8
Italian	it_IT.utf8
Spanish	es_ES.utf8
Dutch	nl_NL.utf8
Korean	ko_KR.utf8

Language	Locales
Traditional Chinese	zh_HK.utf8
	zh_TW.utf8
Slovak	sk_SK.utf8
Slovene	SI_SL.utf8
Swedish	sv_SE.utf8
Portuguese	pt_BR.utf8
Danish	da_DK.utf8
Norwegian	no_NO.utf8
Polish	pl_PL.utf8
Russian	ru_RU.utf8
Thai	th_TH.utf8

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

Supported Application Servers

Application Servers	JDK
JBoss 4.2.3 (6)	JDK 1.5.0_xx
Oracle Application Server 10gR3 (10.1.3) (4) (6)	JDK 1.5.0_xx
SAP NetWeaver 7.0 (5) (6)	JDK 1.4.2_xx
SAP NetWeaver 7.1	JDK 1.5.0_xx
SAP NetWeaver 7.3 (5)	JDK 1.6.0_xx
Tomcat 5.5	JDK 1.5.0_xx
Tomcat 6.0.18 (6)	JDK 1.5.0_xx
Tomcat 6.0.18 (6)	JDK 1.6.0_xx
WebLogic 9.2 MP2 (6)	JRockit 5.0+ (1) (2)
WebLogic 10 (3)	JRockit 5.0+
WebLogic 10.3 (6)	JDK 1.6.0_xx
	JRockit 6.0+
WebSphere Application Server 6.1.0.7	JDK 1.5.0_xx
WebSphere Application Server 7 (6)	JDK 1.6.0_xx
WebSphere Application Server Community Edition 2.0 (6)	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) Please see release notes on the minimum version supported for Dashboard and Analytics.
- (5) Not supported for Web Services.

Note: Native 64-bit Java Application Servers are supported.

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)
- WebSphere Portal 6.0.x.x (JSR 168)
- **WebSphere Portal 6.1 (JSR 286)**
- **SAP NW 7.3 EP (JSR 168/286)**

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 SAP BusinessObjects. Exceptions in support will be documented.

Supported Browsers

Browser OS	Browser	JVM
Apple Mac OS X	Firefox 3.5	Apple 1.5.0_xx Apple 1.6.0_xx
	Safari 4.0.3+ (1)	Apple 1.5.0_xx Apple 1.6.0_xx
	Safari 5	Apple 1.6.0_xx
Microsoft Windows	Firefox 3.5	Sun 1.5.0_xx Sun 1.6.0_xx
	Firefox 3.6	Sun 1.5.0_xx Sun 1.6.0_xx
	IE 6.0 SP3	Sun 1.5.0_xx Sun 1.6.0_02+
	IE 7.0	Sun 1.5.0_xx Sun 1.6.0_02+
	IE 8.0 (1)	Sun 1.6.0_xx

(1) Only Compatibility Mode supported.

SVG and Flash support for Dashboard and Analytics

- SVG is not supported by Dashboard and Analytics for Firefox.
- SVG version 3.0.3 and above supported for Internet Explorer.
- Flash version 7 and above supported for Internet Explorer and Firefox.

Data Source Middleware Support

Crystal Reports Server 2008 V1 Suite products that are compiled as 32-bit native binary are designed to use 32-bit data source middleware connectivity. Unless otherwise specified in the Supported Platforms, 64-bit middleware connectivity is not supported.

CMS Database (Repository) & Audit Databases

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 C-API
MySQL AB 5.0	MySQL C-API
Oracle 11g R2 (11.2)	Oracle Net Client 11.2 (1) (2)

Provider Name	Data Connector
Oracle 11g R1 (11.1)	Oracle Net Client (11.1.0.6) (1) (2)
Oracle 10g R1 (10.1)	Oracle Net Client 10.1 (1)
Oracle 10g R2 (10.2)	Oracle Net Client 10.2 (1)
Oracle 9.2	Oracle Net Client 9.2
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15

(1) Oracle Real Application Cluster (RAC) is supported.

(2) For more information about support of Oracle 11g R1 with Oracle Net Client 10.2, please refer to the Release Notes.

Crystal Reports Reporting Data Sources

Provider Name	Data Connector	Unicode Support	Remarks
Generic JDBC Data Sources	Java 1.5	Yes	
Generic ODBC Data Sources	ODBC	Yes	
GreenPlum Database 3.2	PostgreSQL ODBC 8.2	Yes	
	PostgreSQL JDBC 8.2	Yes	
HP NeoView 2.3.1	HP NeoView ODBC 2.3.1	Yes	
HP Neoview 2.4	HP Neoview ODBC Driver 2.4	Yes	
IBM DB2/UDB for iSeries 5.4	DB2 Connect 9.1		
	IBM iSeries Access (ODBC) 5.4		
	DB2 Universal JDBC Driver	Yes	
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	
IBM DB2/UDB for NT/Unix/Linux 9.7	DB2 Client 9.7	Yes	
	DB2 Universal JDBC Driver	Yes	
IBM DB2/UDB for NT/Unix/Linux 9.8	DB2 Client 9.5	Yes	Compatible support with respect to IBM DB2/UDB for LUW 9.5
	DB2 Universal JDBC Driver	Yes	
IBM DB2/UDB for zSeries 8	DB2 Client 8.2	Yes	

IBM DB2/UDB for zSeries 9.1	DB2 Client 9.1	Yes	
IBM Informix Dynamic Server 10.0	DataDirect ODBC 5.3 (1)	Yes	
IBM Informix Dynamic Server 11.1	DataDirect ODBC 5.3 (1)	Yes	
	Informix ODBC SDK 3.50	Yes	
IBM Informix Dynamic Server 11.5	Informix ODBC SDK 3.50	Yes	
Microsoft SQL Server 2000 SP4	JDBC SQL Server 2000	Yes	
	DataDirect ODBC 5.3 for MS SQL (1)	Yes	
Microsoft SQL Server 2005 SP1/SP2/SP3	JDBC SQL Server 2005	Yes	
	DataDirect ODBC 5.3 for MS SQL (1)	Yes	
Microsoft SQL Server 2008	JDBC SQL Server 2005	Yes	
MySQL AB 5.0	MySQL AB ODBC 5.1.4	Yes	
	MySQL AB JDBC 5.0	Yes	
MySQL AB 5.1	MySQL AB ODBC	Yes	
	MySQL AB JDBC	Yes	
NCR Teradata V2R6.2	NCR Teradata ODBC 3.06 (TTU 8.2)	Yes	
	NCR Teradata JDBC 3.04 (TTU 8.2)	Yes	
Teradata 12.0	Teradata ODBC (TTU 12.00.00.1)	Yes	
	Teradata JDBC (TTU 12.00.00.1)	Yes	
Teradata 13.0	Teradata ODBC (TTU 13.00.00.2)	Yes	
	Teradata JDBC (TTU 13.00.00.7)	Yes	
Teradata 13.1	Teradata ODBC (TTU 13.1)	Yes	
	Teradata JDBC (TTU 13.1)	Yes	
Netezza NPS Server 4.0	Netezza ODBC 4.0	Yes	
	Netezza JDBC Access	Yes	
Netezza NPS Server 4.5	Netezza ODBC 4.5	Yes	
	Netezza JDBC 4.5	Yes	
Netezza Server 5.0	Netezza ODBC 5	Yes	
	Netezza JDBC 5	Yes	
Oracle 11g R2 (11.2)	JDBC Oracle 11.2 (2)	Yes	
	Oracle Native Client 11.2 (2)	Yes	
Oracle 11g R1 (11.1)	JDBC Oracle 11.1 (2)	Yes	
	Oracle Native Client 11.1 (2)	Yes	

Oracle 10g R1 (10.1)	JDBC Oracle 10.1 (2)	Yes	
	DataDirect ODBC 5.3 (1) (2)	Yes	
	Oracle Native Client 10.1 (2)	Yes	
Oracle 10g R2 (10.2)	JDBC Oracle 10.2 (2)	Yes	
	DataDirect ODBC 5.3 (1) (2)	Yes	
	Oracle Native Client 10.2 (2)	Yes	
Oracle 9.2	JDBC Oracle 9.2	Yes	
	DataDirect ODBC 5.3 (1)	Yes	
	Oracle Native Client 9.2	Yes	
Pervasive SQL 10	JDBC Pervasive 10	Yes	
	Pervasive SQL Client 10	Yes	
Progress OpenEdge 10.0B	OpenEdge SQL 10.0B JDBC	Yes	
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15		
Technology			
JavaBean	JDK 1.5	Yes	
XML	JDK 1.5	Yes	
Crystal Reports Reporting Data Sources Supported for Scheduling Only			
Text	DataDirect ODBC 5.3 (1)	Yes	

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

(2) Oracle Real Application Cluster (RAC) is supported.

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.

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.

Support for Integration Option for Microsoft SharePoint software

For the latest information on platforms required by Integration Option for Microsoft SharePoint software, please visit the support area of the website:

<https://www.sdn.sap.com/irj/scn/index?rid=/library/uuid/d0034f93-3afc-2b10-248f-d91849e60f77> .

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
- IBM Tivoli Directory Server 6.1
- 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
- Microsoft Active Directory Application Mode 2008 (ADAM)
- 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
- eTrust (Computer Associates) Siteminder 12.0

VMWare ESX Support

- For more information on VMWare ESX Support, please refer the Statement of Support for VMWare ESX Server in this link.

<https://www.sdn.sap.com/irj/boc/index?rid=/library/uuid/e02d08b0-aa4a-2b10-a38f-b76ae2f0de20>

File Transfer Protocol (FTP) Requirements

The following are the guidelines that must be supported by any FTP Server being used in conjunction with **Crystal Reports Server 2008 V1** as a scheduling destination.

- FTP server needs to support using “.” as a directory.
- FTP server needs to support specifying a directory with a trailing “/”.
- FTP server needs to support filenames that are 20+ characters (if destination file names are generated randomly by **Crystal Reports Server 2008 V1 , standard package**).
- FTP server needs to support specifying file names starting with a “~” character (if destination file names are generated randomly by **Crystal Reports Server 2008 V1 , standard package**).

Related Content

For more information and resources, refer to the product documentation and visit the support area of the web site at: <http://help.sap.com>.

For more information, visit the [Business Objects homepage](#).

Copyright

© Copyright 2011 SAP AG. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP AG. The information contained herein may be changed without prior notice.

Some software products marketed by SAP AG and its distributors contain proprietary software components of other software vendors.

Microsoft, Windows, Excel, Outlook, and PowerPoint are registered trademarks of Microsoft Corporation.

IBM, DB2, DB2 Universal Database, System i, System i5, System p, System p5, System x, System z, System z10, System z9, z10, z9, iSeries, pSeries, xSeries, zSeries, eServer, z/VM, z/OS, i5/OS, S/390, OS/390, OS/400, AS/400, S/390 Parallel Enterprise Server, PowerVM, Power Architecture, POWER6+, POWER6, POWER5+, POWER5, POWER, OpenPower, PowerPC, BatchPipes, BladeCenter, System Storage, GPFS, HACMP, RETAIN, DB2 Connect, RACF, Redbooks, OS/2, Parallel Sysplex, MVS/ESA, AIX, Intelligent Miner, WebSphere, Netfinity, Tivoli and Informix are trademarks or registered trademarks of IBM Corporation.

Linux is the registered trademark of Linus Torvalds in the U.S. and other countries.

Adobe, the Adobe logo, Acrobat, PostScript, and Reader are either trademarks or registered trademarks of Adobe Systems Incorporated in the United States and/or other countries.

Oracle is a registered trademark of Oracle Corporation.

UNIX, X/Open, OSF/1, and Motif are registered trademarks of the Open Group.

Citrix, ICA, Program Neighborhood, MetaFrame, WinFrame, VideoFrame, and MultiWin are trademarks or registered trademarks of Citrix Systems, Inc.

HTML, XML, XHTML and W3C are trademarks or registered trademarks of W3C®, World Wide Web Consortium, Massachusetts Institute of Technology.

Java is a registered trademark of Oracle Corporation.

JavaScript is a registered trademark of Oracle Corporation, used under license for technology invented and implemented by Netscape.

SAP, R/3, SAP NetWeaver, Duet, PartnerEdge, ByDesign, SAP Business ByDesign, and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and other countries.

Business Objects and the Business Objects logo, BusinessObjects, Crystal Reports, Crystal Decisions, Web Intelligence, Xcelsius, and other Business Objects products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of Business Objects S.A. in the United States and in other countries. Business Objects is an SAP company.

All other product and service names mentioned are the trademarks of their respective companies. Data contained in this document serves informational purposes only. National product specifications may vary.

These materials are subject to change without notice. These materials are provided by SAP AG and its affiliated companies ("SAP Group") for informational purposes only, without representation or warranty of any kind, and SAP Group shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP Group products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.