

Business Objects Enterprise XI Release 2 SP5 for Linux

Supported Platforms

Overview

This document lists specific platforms and configurations for the BusinessObjects Enterprise XI Release 2 SP5 for Linux.

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Introduction

This document contains information specific to platforms and configurations for the BusinessObjects Enterprise XI Release 2 SP5. 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.
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Products

Server Products

- BusinessObjects Enterprise XI R2
 - BusinessObjects Web Intelligence XI R2
 - Crystal Reports XI R2
 - BusinessObjects Dashboard Manager XI R2
 - BusinessObjects Performance Manager XI R2
 - BusinessObjects Predictive Analysis XI R2
 - BusinessObjects Process Analysis XI R2
 - BusinessObjects Set Analysis (Server Components) XI R2
 - BusinessObjects Encyclopedia XI R2
 - BusinessObjects Process Tracker XI R2 (1)
- (1) Process Tracker product is installed separately. Note that BusinessObjects Enterprise Premium XI Release 2 includes Process Tracker.

Desktop Products

Desktop products are only available on Windows. Please go to our <https://www.sdn.sap.com/irj/sdn/businessobjects-articles> web site and refer to the platforms document corresponding to this operating system for a detailed list of the supported languages and platforms.

Languages

- Chinese Simplified
- Chinese Traditional
- Dutch

-
- English
 - French
 - German
 - Italian
 - Japanese
 - Korean
 - Polish
 - Portuguese (Brazil)
 - Russian
 - Spanish
 - Swedish

Supported Operating Systems

- Red Hat 4.0 Advanced Server
- Red Hat 4.0 Enterprise Server (1)
- SuSE Linux 9.0 Enterprise Server

(1) Install workaround required. Refer to SAP Note ID 1199066 .

Minimum Hardware Requirements for BusinessObjects Enterprise XI R2

- 700-MHz Pentium III-class processor
- 2 GB RAM
- 4 GB hard disk space for complete install (BusinessObjects Enterprise without Performance management)
- 5 GB hard disk space for complete install (BusinessObjects Enterprise with Performance management)
- 1.3 GB hard disk space for patch install

Note: Linux support is on 32-bit and 64-bit versions of Linux operating system. 32-bit Linux which are supported by BusinessObjects are ones that operate on either 32 or 64-bit (x64) AMD/Intel chipsets. 64-bit Linux which are supported by BusinessObjects are ones that operate on 64-bit (x64) AMD/Intel chipsets. BusinessObjects Enterprise software for Linux is not warranted or supported for use on other chipsets.

Minimum Patch Level for Red Hat 4.0

Required minimum operating system install plus:

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

Minimum Patch Level for SLES 9.0

No additional components outside the minimum.

Higher patches are supported by BusinessObjects.

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
Polish	pl_PL.utf8
Portuguese	pt_BR.utf8
Russian	ru_RU.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 1.4.2_xx
OAS 10G Rel.2 (10.1.2)	JDK 1.4.2_xx (1)
Tomcat 5.0.27	JDK 1.4.2_13+
	JDK 1.5.0_xx
Tomcat 5.5	JDK 1.5.0_xx
WebLogic 8.1 SP4	JRockit 1.4.2_xx (2)
WebLogic 9.2	JRockit 5.0+ (4) (5)
WebSphere 5.1.1.x (excluding 5.1.1.4)	JDK 1.4.2_xx (3)
WebSphere 6.0.2.x	JDK 1.4.2_xx
WebSphere 6.1.0.7	JDK 1.5.0_xx

- (1) Not supported for Performance Management and Process Tracker. Only Enterprise Edition is supported. See release notes for patch levels for other products.
- (2) Not supported for Red Hat 4.0.
- (3) EPM products support WebSphere 5.1.1.6 and later versions.
- (4) 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.
- (5) 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.

Note: Due to security vulnerabilities identified by the SANS Institute in JDK/JRE versions 1.4.2_12 and lower, BusinessObjects Enterprise XI Release 2 SP5 will ship with 1.4.2_13. It is recommended that any JVM be updated to a minimum of 1.4.2_13.

Application Server Incremental Release Support Policy

Specified application servers versions have been successfully tested by BusinessObjects. 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 BusinessObjects. Exceptions in support will be documented.

JDK Version Support Policy

JDK major versions are specified to ensure the use of correct version when the vendor provides multiple choices. BusinessObjects tests and supports any _x release installed with a given application server.

Support of WebSphere and WebLogic Editions

Network Editions of the Applications Server listed above are NOT supported. The Express Edition of WebSphere and WebLogic application servers are supported.

WebSphere 5.1.1.4 is not supported

Several issues have been found when applying the cf4 patchset for WebSphere 5.1.1. In consequence, BusinessObjects will not support this particular version of WebSphere. All other 5.1.1x versions are supported.

HTTP Servers

Any supported by Application Server vendor.

Supported Portal Servers

- Oracle Portal Server 10g R2 (10.1.2) (JSR 168)
- WebLogic Portal 8.1 SP4 (1) (JSR 168)
- WebLogic Portal 9.2 (JSR 168)
- WebSphere Portal 6 (JSR 168)
- WebSphere Portal 6.1 (JSR 168)

(1) Not supported on Red Hat 4.0

Portal Server minor release support policy

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

Supported Browsers

Browser OS	Browser	JVM
Linux	Firefox 3.0	Sun 1.5.0_xx Sun 1.6.0_xx
Macintosh	Safari 3.0 (2)	Apple 1.4.2_xx Apple 1.5.0_xx
	Safari 3.1	Apple 1.4.2_xx Apple 1.5.0_xx Apple 1.6.0_xx
Windows	Firefox 2.0 (2)	Sun 1.5.0_xx Sun 1.6.0_02+
	Firefox 3.0 (2)	Sun 1.5.0_xx Sun 1.6.0_02+
	IE 6.0 SP2	Sun 1.4.2_xx Sun 1.5.0_xx Sun 1.6.0_02+
	IE 7.0 (3)	Sun 1.4.2_xx Sun 1.5.0_xx Sun 1.6.0_02+

- (1) Supported for Infoview only
- (2) SVG is not supported (EPM)
- (3) Please note that this browser is NOT SUPPORTED for OLAP Intelligence, and Process Tracker.

Restriction for Crystal Reports Explorer

Please note that the Crystal Reports Explorer add-on leverages IE-specific components and will not work with any browsers other than IE.

SVG and Flash support for EPM

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

BusinessObjects Enterprise 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 PAR, 64-bit middleware connectivity is not supported. Conversely, native 64-bit offerings of BusinessObjects Enterprise Suite products are designed to exclusively use 64-bit data source middleware connectivity.

CMS Database (Repository) & Audit Databases

Provider Name	Data Connector
IBM DB2 UDB 8.2 for Linux, UNIX, and Windows	DB2 Client 8.2
IBM DB2 UDB 9.1 for Linux, UNIX, and Windows	DB2 Client 9.1
IBM DB2 UDB 9.5 for Linux, UNIX, and Windows	DB2 Client 9.5
Oracle 9.2	Oracle NET Client 9.2
Oracle 10g R1 (10.1)	Oracle NET Client 10.1(1)
Oracle 10g R2 (10.2)	Oracle NET Client 10.2(1)
Oracle 11g	Oracle NET Client 11(1)
Sybase Adaptive Server Enterprise 12.5.2	Sybase Open Client 12.5.2
Sybase Adaptive Server Enterprise 15	Sybase Open Client 12.5.2
MySQL 4.1.23	MySQL C-API

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

Performance Management Repository Databases

Provider Name	Data Connector
IBM DB2 UDB 8.2 for Linux, UNIX, and Windows	DB2 Client 8.2
IBM DB2 UDB 9.1 for Linux, UNIX, and Windows	DB2 Client 9.1
IBM DB2 UDB 9.5 for Linux, UNIX, and Windows	DB2 Client 9.5
IBM DB2/UDB for zSeries 8	DB2 Client 8.2
NCR Teradata V2R6	NCR Teradata ODBC 3.04

Provider Name	Data Connector
NCR Teradata V2R6.1	NCR Teradata ODBC 3.05
NCR Teradata V2R6.2	NCR Teradata ODBC 3.06
Teradata v12	Teradata ODBC 12 (TTU 12.0)
Oracle 9.2	Oracle NET Client 9.2
Oracle 10g R1 (10.1)	Oracle NET Client 10.1(1)
Oracle 10g R2 (10.2)	Oracle NET Client 10.2(1)
Oracle 11g	Oracle NET Client 11(1)
Sybase Adaptive Server Enterprise 12.5	Sybase Open Client 12.5
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15

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

Web Intelligence, Desktop Intelligence and Performance Management Data Sources

Provider Name	Data Connector	Unicode Support
Generic ODBC Data Sources	UNIX ODBC	
IBM DB2 UDB 8.2 for Linux, UNIX, and Windows	DB2 Client 8.2	Yes
	DB2 ODBC Client 8.2	Yes
IBM DB2 UDB 9.1 for Linux, UNIX, and Windows	DB2 Client 9.1	Yes
	DB2 ODBC Client 9.1	Yes
IBM DB2 UDB 9.5 for Linux, UNIX, and Windows	DB2 Client 9.5	Yes
	DB2 ODBC Client 9.5	Yes
HP NeoView 2.2	HP NeoView ODBC 2.2 (5)	
HP NeoView 2.3.1	HP NeoView ODBC 2.3.1 (5)	
IBM Informix Dynamic Server 7.31	IBM Informix ODBC SDK 2.81	
IBM Informix Dynamic Server 9.4	IBM Informix ODBC SDK 2.81	
IBM Informix Dynamic Server 10.0	IBM Informix ODBC SDK 2.90	
IBM Informix XPS 8.40	IBM Informix ODBC SDK 2.81	
IBM Informix XPS 8.50	IBM Informix ODBC SDK 2.90	

Provider Name	Data Connector	Unicode Support
IBM Red Brick Decision Server 6.3	IBM Red Brick ODBC 5	
MS SQL Server 2000 SP4	DataDirect ODBC Driver v5.0 for MS SQL (3)	
MS SQL Server 2005 RTM / SP1 / SP2	DataDirect ODBC Driver v5.1 for MS SQL (3) DataDirect ODBC Driver v5.3 for MS SQL (3)	Yes
MS SQL Server 2008	DataDirect ODBC Driver v5.2 for MS SQL (3) DataDirect ODBC Driver v5.3 for MS SQL (3)	
MySQL 4.1.10a	MySQL ODBC connector 3.51.12	
MySQL 4.1.13	MySQL ODBC connector 3.51.12	
MySQL 4.1.23	MySQL ODBC connector 3.51.12	
MySQL 5.0	MySQL ODBC connector 3.51.12 MySQL ODBC connector 5.1.4	
NCR Teradata V2R6	NCR Teradata ODBC 3.04	
NCR Teradata V2R6.1	NCR Teradata ODBC 3.05	
NCR Teradata V2R6.2	NCR Teradata ODBC 3.06 (2)	Yes (4)
Teradata v12	Teradata ODBC 12 (TTU 12.0)	Yes
Netezza NPS Server 3.1	Netezza ODBC 3.1	
Netezza NPS Server 4.0	Netezza ODBC 4.0	
Netezza NPS Server 4.5	Netezza ODBC 4.5	
Oracle 9.2	Oracle NET Client 9.2	Yes
Oracle 10g R1 (10.1)	Oracle NET Client 10.1(6)	Yes
Oracle 10g R2 (10.2)	Oracle NET Client 10.2(6)	Yes
Oracle 11g	Oracle NET Client 11(6)	Yes
Sybase Adaptive Server Enterprise 12.5	Sybase Open Client 12.5	
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15	

Provider Name	Data Connector	Unicode Support
Sybase Adaptive Server IQ 12.6	Sybase ODBC 9 for Adaptive Server IQ 12.6	
Sybase Adaptive Server IQ 12.7	Sybase ODBC 9 for Adaptive Server IQ 12.7	
Sybase SQL Anywhere (ASA) 10	Sybase ODBC 9 for Adaptive Server IQ 12.7 (2)	

- (1) DB2 8.1 is not supported on SUSE 9.
- (2) Not supported for Performance Management.
- (3) DataDirect 5.3 branded drivers are available with the product install
- (4) Unicode is supported if you follow the workaround found in knowledge base article 7997435.
- (5) Not supported for Predictive Analysis and Set Analysis
- (6) Oracle Real Application Cluster (RAC) is supported

Supported Data Sources for Set Analysis

Provider Name	Data Connector
Oracle 9.2	Oracle NET Client 9.2 (1)
Oracle 10g R1 (10.1)	Oracle NET Client 10.1 (1)
Oracle 10g R2 (10.2)	Oracle NET Client 10.2 (1)
Oracle 11g	Oracle NET Client 11 (1)
MS SQL Server 2000 SP4	Microsoft ODBC MDAC 2.8
	Microsoft OLEDB MDAC 2.8
MS SQL Server 2005	Microsoft ODBC MDAC 2.8
	Microsoft ODBC SNAC (native client)
	Microsoft OLEDB MDAC 2.8
	Microsoft OLEDB SNAC (native client)
MS SQL Server 2008	Microsoft ODBC MDAC 2.8
IBM DB2 UDB 8.2 for Linux, UNIX, and Windows	DB2 Client 8.2 (1)
IBM DB2 UDB 9.2 for Linux, UNIX, and Windows	DB2 Client 9.1 (1)
IBM DB2 UDB 9.5 for Linux, UNIX, and Windows	DB2 Client 9.5 (1)
NCR Teradata V2R6	NCR Teradata ODBC 3.04
NCR Teradata V2R6.2	NCR Teradata ODBC 3.06
Sybase Adaptive Server Enterprise 12.5	Sybase Open Client 12.5

Provider Name	Data Connector
Sybase Adaptive Server Enterprise 12.5.1	Sybase Open Client 12.5.1
Sybase Adaptive Server IQ 12.7	Sybase ODBC 9 for Adaptive Server IQ 12.7

(1) Please see release notes for Oracle and DB2 connectivity for this product.

Crystal Reports Reporting Data Sources

Provider Name	Data Connector	Unicode Support
Generic JDBC Data Sources	JDK 1.4	Yes
Generic ODBC Data Sources	ODBC	Yes
HP NeoView 2.2	HP NeoView ODBC 2.2	Yes
HP NeoView 2.3.1	HP NeoView ODBC 2.3.1	Yes
IBM DB2/UDB for iSeries 5.2	DB2 Client 8.1	Yes
	IBM iSeries Access (JDBC) 5.2	Yes
	DB2 ODBC Client 8.1	Yes
IBM DB2/UDB for iSeries 5.3	DB2 Client 8.2	Yes
	IBM iSeries Access (JDBC) 5.3	Yes
	DB2 ODBC Client 8.2	Yes
IBM DB2 UDB 8.2 for Linux, UNIX, and Windows	DB2 Client 8.2	Yes
	DB2 JDBC 8.2	Yes
	DB2 ODBC Client 8.2	Yes
IBM DB2 UDB 9.1 for Linux, UNIX, and Windows	DB2 Client 9.1	Yes
	DB2 JDBC 9.1	Yes
	DB2 ODBC Client9.1	Yes
IBM DB2 UDB 9.5 for Linux, UNIX, and Windows	DB2 Client 9.5	Yes
	DB2 JDBC 9.5	Yes
	DB2 ODBC Client 9.5	Yes
IBM DB2/UDB for zSeries 8	DB2 Client 8.2	Yes
	DB2 ODBC Client 8.2	Yes

Provider Name	Data Connector	Unicode Support
IBM Informix Dynamic Server 9.4	ODBC DataDirect 5.3 (2)	Yes
IBM Informix Dynamic Server 10.0	ODBC DataDirect 5.3 (2)	Yes
MS SQL Server 2000 SP4	JDBC SQL Server 2000	Yes
	ODBC DataDirect 5.3 for MS SQL (2)	Yes
MS SQL Server 2005 RTM / SP1 / SP2	JDBC SQL Server 2005	Yes
	ODBC DataDirect 5.3 for MS SQL (2)	Yes
MS SQL Server 2008	ODBC DataDirect 5.3 for MS SQL (2)	Yes
MySQL 4.1.10a	JDBC MySQL	Yes
MySQL 4.1.13	JDBC MySQL	Yes
MySQL 4.1.23	JDBC MySQL	Yes
MySQL 5.0	JDBC MySQL	Yes
NCR Teradata V2R6	NCR Teradata JDBC V2R6	Yes
	NCR Teradata ODBC 3.04	Yes
NCR Teradata V2R6.1	NCR Teradata ODBC 3.05	Yes
NCR Teradata V2R6.2	NCR Teradata ODBC 3.06	Yes
NCR Teradata V12	Teradata ODBC 12 (TTU 12.0)	Yes
	Teradata JDBC 12 (TTU 12.0)	
Netezza NPS Server 3.1	Netezza ODBC 3.1	Yes
Netezza NPS Server 4.0	Netezza ODBC 4.0	Yes
Netezza NPS Server 4.5	Netezza JDBC Access	Yes
Oracle 9.2	JDBC Oracle 9.2	Yes
	ODBC DataDirect 5.3 (2)	Yes
	Oracle NET Client 9.2	Yes
Oracle 10g R1 (10.1) (3)	JDBC Oracle 10.1	Yes
	ODBC DataDirect 5.3 (2)	Yes

Provider Name	Data Connector	Unicode Support
	Oracle NET Client 10.1	Yes
Oracle 10g R2 (10.2) (3)	JDBC Oracle 10.2	Yes
	ODBC DataDirect 5.3 (2)	Yes
	Oracle NET Client 10.2	Yes
Oracle 11g	JDBC Oracle 11	Yes
	ODBC DataDirect 5.3 (2)	Yes
	Oracle NET Client 11	Yes
Sybase ASE 12.5	JDBC Sybase 12.5	Yes
	ODBC DataDirect 5.3 (2)	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	ODBC DataDirect 5.3 (2)	

(1) DB2 8.1 is not supported on SUSE 9

(2) Additional DataDirect 5.3 branded drivers for Crystal Reports are available for download on the [SAP Developer Network](#).

(3) 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.

OLAP Data Sources for Voyager

No platforms are supported.

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
- Novell eDirectory 8.7.3
- Oracle Internet Directory 10gR2 (10.1.2)
- Sun Java System Directory Server 5.1
- Sun Java System Directory Server 5.2
- Microsoft Active Directory Application Mode 2003 (ADAM)

Access Management

- eTrust (Netegrity) SiteMinder 5.5
- 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 “/”
 - 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://help.sap.com>

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