

BusinessObjects Enterprise XI Release 2 SP2 for Windows

Supported Platforms

Overview

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

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Introduction

This document is based on the Platforms.txt that is located in the root directory of the BusinessObjects Enterprise XI Release 2 for Windows installation disk (CD). However, after the original release of this Platforms.txt this version of the document may be intermittently updated with the latest information on our [supported platforms](#) web site.

NOTE

Anything that is highlighted using red font indicates that it is an update, addition or correction made after the original release of the Platforms.txt that shipped with this product.

Products

Desktop Products

- BusinessObjects Desktop Intelligence XI R2
 - BusinessObjects Enterprise XI (Win32 Clients) R2
 - BusinessObjects Live Office XI R2
 - BusinessObjects OLAP Intelligence XI R2
 - BusinessObjects Set Architect XI R2 ** (language note)
 - **BusinessObjects Set Analyzer XIR2**
 - Crystal Reports Designer XI R2
 - Universe Builder BusinessObjects Data Integrator plug-in XI R2
 - Universe Builder CWM OLAP plug-in XI R2
 - Universe Builder CWM Relational plug-in XI R2
 - Universe Builder DB2 Cube Views plug-in XI R2
 - Universe Builder DB2 Data Warehouse Center plug-in XI R2
 - Universe Builder Oracle Data Warehouse plug-in XI R2
 - Universe Builder Oracle OLAP plug-in XI R2
 - **BusinessObjects Query as a Web Service (Client Tool) (1)**
- (1) **BusinessObjects Query as a Web Service requires .NET Framework 1.1 and is available in English only.**

Server Products

- BusinessObjects Enterprise XI R2
- BusinessObjects Web Intelligence XI R2
- Crystal Reports XI R2

- BusinessObjects Dashboard Manager XI R2
- BusinessObjects OLAP Intelligence (Server Components) XI R2
- BusinessObjects Performance Manager XI R2
- BusinessObjects Predictive Analysis XI R2
- BusinessObjects Process Analysis XI R2
- BusinessObjects Set Analysis XI (Server Components) R2
- BusinessObjects Encyclopedia XI R2
- BusinessObjects Process Tracker XI R2 (1)
- BusinessObjects Voyager

(1) ~~(1)~~ Process Tracker is installed separately. Note that BusinessObjects Enterprise Premium XI Release 2 includes Process Tracker, where Process Tracker is currently not supported on IIS. (See Application Servers section below.)

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Languages

- Chinese Simplified
- Chinese Traditional
- Dutch
- English(**)(2)
- French(**)
- German
- Italian
- Japanese
- Korean
- Polish (1)
- Portuguese (Brazil)
- Russian (1)
- Spanish
- Swedish

** BusinessObjects Set Architect is supported in English and French only.

(1) Polish and Russian language support available only with the full BusinessObjects Enterprise XI Release 2 SP2 Suite release.

(2) BusinessObjects Query as a Web Service (Client Tool) is supported in English only.

Supported Operating Systems

Desktop Products

- Windows 2000 SP4 Professional
- Windows XP SP1 Professional
- Windows XP SP2 Professional
- **Windows Vista (All Editions)**
- Windows 2000 SP4 Advanced Server
- Windows 2000 SP4 Datacenter Server
- Windows 2000 SP4 Server
- Windows Server 2003 Datacenter Edition
- Windows Server 2003 Enterprise Edition
- Windows Server 2003 Standard Edition
- Windows Server 2003 Web Edition
- Windows Server 2003 SP1 Datacenter Edition
- Windows Server 2003 SP1 Enterprise Edition
- Windows Server 2003 SP1 Standard Edition
- Windows Server 2003 SP1 Web Edition
-

Server Products

- Windows 2000 SP4 Advanced Server
- Windows 2000 SP4 Datacenter Server
- Windows 2000 SP4 Server
- Windows Server 2003 Datacenter Edition
- Windows Server 2003 Enterprise Edition
- Windows Server 2003 Standard Edition
- Windows Server 2003 Web Edition
- Windows Server 2003 SP1 Datacenter Edition
- Windows Server 2003 SP1 Enterprise Edition
- Windows Server 2003 SP1 Standard Edition
- Windows Server 2003 SP1 Web Edition

Minimum Hardware Requirements for BusinessObjects Enterprise XI Release 2

- P3 700MHz**

- 1 GB RAM
- 4.5 GB hard disk space for BusinessObjects Enterprise without Performance management
- 5.75 GB hard disk space for complete install (BusinessObjects Enterprise with Performance management)
- 500 MB BusinessObjects Productivity Suite

** Windows support is limited strictly to the 32-bit versions of Windows operating on either 32 or 64-bit (x86) AMD/Intel chipsets. BusinessObjects Enterprise software for Windows is not warranted or supported for use on other chipsets.

Business Objects and Microsoft Critical Patches

Business Objects supports and recommends install of all Microsoft critical patches for the operating systems listed above.

Supported Application Servers

Application Servers	JDK
IIS 5.0 <u>(1)</u>	N/A <u>(4)</u>
IIS 6.0	N/A (1)
OAS 10G Rel.2 (10.1.2) <u>(1)(4)</u>	JDK 1.4.2_xx <u>(5)-(1)(4)(5)</u>
SAP WAS 6.40 SP11 <u>(2)</u>	JDK 1.4.2_xx <u>(5)-(2)(5)</u>
Tomcat 5.0.27	JDK 1.4.2_13+ <u>(5)-(5)</u> JDK 1.5.0_xx
WebLogic 8.1 SP4 <u>(3)</u>	JDK 1.4.2_xx <u>(5)-(3)(5)</u> JRockit 1.4.2_xx <u>(3)(5)</u>
WebLogic 9.2	JDK 1.5.0_04+ (5) Jrockit 5.0+ (5)
WebSphere 5.1.0.4	JDK 1.4.1_xx (5)
WebSphere 5.1.1.0	JDK 1.4.2_xx (5)
WebSphere 6.0.0.2	JDK 1.4.2_xx (5)

(1) Support for Performance Management is limited to Oracle 10g (10.1.2)

(2) Not supported for Performance Management and Process Tracker at this time

(3) Support for Process Tracker is planned post XI R2 General Availability.

(4) Not supported for Process Tracker.

(5) **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 SP2 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 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 _x release installed with a given application server.

Specific Patches Required for Oracle Application Server

See release notes for exact patch level support.

Supported HTTP Servers

Any supported by Application Server vendor.

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. Moving forward to 5.1.1.5/6 or back to 5.1.1.3 both appears to fix the issue. In consequence BusinessObjects will not support this particular version of WebSphere. All other 5.1.1x versions are supported.

Portal Servers

- MS SharePoint portal server 2003
- MS Windows SharePoint Services (WSS) 2003
- Oracle Portal Server 10g R2 (10.1.2) (JSR 168)
- SAP Portal Server 6 SP3
- WebLogic Portal 8.1 SP4 (JSR 168)

- WebLogic Portal 9.2 (JSR168)
- WebSphere Portal 5.1.0.1 (JSR 168)

Portal Server Minor Release Support Policy

Specified portal servers versions have been successfully tested by Business Objects. 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 Business Objects. Exceptions in support will be documented.

Supported Browsers

Browser OS	Browser	JVM
MacIntosh	Safari 1.3	Apple 1.4.2_xx (2)
Windows	Firefox 1.0.4 (1)	Sun 1.4.2_xx (3)
	IE 6.0 SP1	Sun 1.4.2_xx Sun 1.5.0_xx
	IE 6.0 SP2	Sun 1.4.2_xx Sun 1.5.0_xx
	IE 7.0	Sun 1.4.2_xx Sun 1.5.0_xx (2)

(1) SVG is not supported (EPM)

(2) Browser not supported for [Voyager](#), OLAP Intelligence, EPM products and Process Tracker.

(3) Support for EPM products and [Process Tracker](#) planned post XI R2 General Availability.

Restriction of 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 are supported for Internet Explorer.

Flash version 7 and above are supported for Internet Explorer and Firefox.

CMS Database (Repository) & Audit Databases

Provider Name	Data Connector
IBM DB2/UDB for NT/UNIX 8.1	DB2 Client 8.1
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
MS SQL Server 2000 SP4	Microsoft ODBC MDAC 2.8
MS SQL Server 2005	Microsoft ODBC MDAC 2.8
	Microsoft ODBC SNAC (Native Client)
MS SQL Server 7.0 SP4	Microsoft ODBC MDAC 2.7 (1)
MySQL 4.1.13	MySQL C-API
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 ASE 12.5.2	Sybase Open Client 12.5.2

(1) (4) See release notes.

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Performance Management Repository Databases

Provider Name	Data Connector
IBM DB2/UDB for NT/Unix 8.1	DB2 Client 8.1
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 zSeries 7	DB2 Client 8.1
	DB2 ODBC Client 8.1
IBM DB2/UDB for zSeries 8	DB2 Client 8.2
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 7.0 SP4	Microsoft ODBC MDAC 2.7

Provider Name	Data Connector
	Microsoft OLEDB MDAC 2.7
NCR Teradata v2R5	NCR Teradata ODBC 3.03
NCR Teradata V2R5.1	NCR Teradata ODBC 3.03 NCR Teradata ODBC 3.04
NCR Teradata V2R6	NCR Teradata ODBC 3.04
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 ASE 12.5	Sybase Open Client 12.5

Supported Data Sources for Set Architect, Set Analyzer and Set Analysis

Provider Name	Data Connector
Oracle 9.2	Oracle Net Client 9.2
Oracle 10g R1 (10.1)	Oracle Net Client 10.1
Oracle 10g R2 (10.2)	Oracle Net Client 10.2
MS SQL Server 7.0 SP4 (2)	Microsoft ODBC MDAC 2.7 Microsoft OLEDB MDAC 2.7
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)
IBM DB2/UDB for NT/Unix 8.1	DB2 Client 8.1
IBM DB2/UDB for NT/Unix 8.2	DB2 Client 8.1
IBM DB2/UDB for NT/Unix 9.1	DB2 Client 8.1 DB2 Client 9.1 (3)
NCR Teradata V2R5	NCR Teradata ODBC 3.03
NCR Teradata V2R5.1	NCR Teradata ODBC 3.03 NCR Teradata ODBC 3.04
NCR Teradata V2R6	NCR Teradata ODBC 3.04
Netezza NPS Server 2.5	NETEZZA ODBC 2.5 (2)
Netezza NPS Server 3.0	NETEZZA ODBC 3.0 (2)
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

Please see release notes for Oracle and DB2 connectivity for this product.
 (2) Netezza not supported for Set Analyzer.
 (3) Supported for Set Analysis only.

Connectivity Supported for Web Intelligence, Desktop Intelligence and Performance Management

Provider Name	Data Connector	Unicode Support
OLAP		
Hyperion Essbase Server 7.0	Hyperion Essbase API 7.0 (1)	
Hyperion Essbase Server 7.1	Hyperion Essbase API 7.1 (1)	
Hyperion Essbase Server 7.1.2	Hyperion Essbase API 7.1.2 (1)	
IBM DB2 OLAP Server 8.2	IBM DB2 OLAP API 8.2 (1)	
MS SQL Server Analysis Services 2000 SP4	MS SQL Server OLAP Client 2000 SP4 (1)	
SAP BW Server 3.0b SP33	SAP GUI 620 or 640 (1)	
SAP BW Server 3.1c SP37	SAP GUI 620 or 640 (1)	
SAP BW Server 3.5 SP19	SAP GUI 640 (1)	
RDBMS		
Generic ODBC Data Sources	ODBC (2)	
BusinessObjects Data Federator XI Release 2	ODBC for Data Federator	
HP NeoView 2.1	HP NeoView Generic ODBC 2.1	Yes
IBM DB2/UDB for iSeries 5.2	DB2 Client 8.1	
	DB2 ODBC Client 8.1	
	IBM iSeries Access (ODBC) 5.2	
IBM DB2/UDB for iSeries 5.3	DB2 Client 8.2	
	DB2 ODBC Client 8.2	
	IBM iSeries Access (ODBC) 5.3	
IBM DB2/UDB for NT/Unix/Linux 8.1	DB2 Client 8.1	Yes
	DB2 ODBC Client 8.1	Yes
IBM DB2/UDB for NT/Unix/Linux 8.2	DB2 Client 8.2	Yes
	DB2 ODBC Client 8.1	Yes
IBM DB2/UDB for NT/Unix/Linux 9.1	DB2 Client 9.1	Yes
	DB2 ODBC Client 9.1	Yes
IBM DB2/UDB for zSeries 7	DB2 Client 8.1 (3)	
	DB2 ODBC Client 8.1 (3)	
IBM DB2/UDB for zSeries 8	DB2 Client 8.2 (3)	

Provider Name	Data Connector	Unicode Support
	DB2 ODBC Client 8.2 (3)	
IBM Informix Dynamic Server 10.0	IBM Informix ODBC SDK 2.90	
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 XPS 8.40	IBM Informix ODBC SDK 2.81	
IBM Informix XPS 8.50	IBM Informix ODBC SDK 2.90	
IBM Red Brick Decision Server 6.3	IBM Red Brick ODBC 5	
MS Access 2003	Microsoft ODBC MDAC 2.8 (2)	
MS SQL Server 2000 SP4	Microsoft ODBC MDAC 2.8	Yes
	Microsoft OLEDB MDAC 2.8	Yes
MS SQL Server 2005	Microsoft ODBC MDAC 2.8	Yes
	Microsoft ODBC SNAC (native client)	Yes
	Microsoft OLEDB MDAC 2.8	Yes
	Microsoft OLEDB SNAC (native client)	Yes
MS SQL Server 7.0 SP4	Microsoft ODBC MDAC 2.7	
	Microsoft OLEDB MDAC 2.7	
MySQL 4.1.10a	MySQL ODBC Connector 3.51.12	
MySQL 4.1.1.13	MySQL ODBC Connector 3.51.12	
MySQL 5.0	MySQL ODBC Connector 3.51.12	
NCR Teradata V2R5	NCR Teradata ODBC 3.03	Yes
NCR Teradata V2R5.1	NCR Teradata ODBC 3.03	Yes
	NCR Teradata ODBC 3.04	Yes
NCR Teradata V2R6	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 (4)	Yes
Netezza NPS Server 2.5	NETEZZA ODBC 2.5 (4)	Yes
Netezza NPS Server 3.0	NETEZZA ODBC 3.0 (4)	Yes
Netezza NPS Server 3.1	NETEZZA ODBC 3.1 (4)	Yes
Oracle 10g R1 (10.1)	Oracle Net Client 10.1	Yes
Oracle 10g R2 (10.2)	Oracle Net Client 10.2	Yes
Oracle 9.2	Oracle Net Client 9.2	Yes

Provider Name	Data Connector	Unicode Support
Sybase ASE 12.5	Sybase Open Client 12.5	
Sybase ASE 15	Sybase Open Client 15 (4)	
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	

(1) OLAP connectivity is NOT supported by Desktop Intelligence. EPM supports OLAP data sources for Query on Universe on Windows.

(2) Connectivity not supported by EPM.

(3) Connectivity not supported for Performance Manager. Other EPM products are supported.

(4) Not supported for Performance Management.

Support of SAP BW Server

BusinessObjects XI R2 Integration Kit for SAP MUST be installed in order to use SAP BW Server as a data source from Web Intelligence, Crystal Reports, Desktop Intelligence, Voyager and OLAP Intelligence products. The exact patch levels required for SAP BW servers and API are specified in the platforms.txt for BusinessObjects XI R2 Integration Kit for SAP.

Source and Data Model Versions for Universe Builder

Meta Data Model	Database	Middleware
Universe Builder BusinessObjects Data Integrator Plug-in		
CWM from BusinessObjects Data Integrator 6.X/XI/XIR2	N/A	N/A
Universe Builder CWM OLAP Plug-in		
CWM OLAP 1.0	N/A	N/A
CWM OLAP 1.1	N/A	N/A
Universe Builder CWM Relational Plug-in		
CWM 1.0	N/A	N/A
CWM 1.1	N/A	N/A
Universe Builder DB2 Cube Views Plug-in		
IBM DB2 Cube Views 8.1	IBM DB2/UDB for NT/Unix 8.1	DB2 Client 8.1

Meta Data Model	Database	Middleware
Universe Builder DB2 Data Warehouse Center Plug-in		
CWM from DB2 Data Warehouse Center 8.X	N/A	N/A
Universe Builder Oracle Data Warehouse Plug-in		
OLAP/Relational CWM from Oracle Warehouse Builder 10g	N/A	N/A
OLAP/Relational CWM from Oracle Warehouse Builder 9i	N/A	N/A
Universe Builder Oracle OLAP Plug-in		
Oracle Option OLAP 10.2.0.2.0	Oracle 10gR2 (10.2.0.2.0) (2)	Oracle Net Client 10.2
Oracle Option OLAP 10.1.0.1	Oracle 10g R1 (10.1.0.1)	Oracle Net Client 10.1
Oracle Option OLAP 10.1.0.2	Oracle 10g R1 (10.1.0.2)	Oracle Net Client 10.1
Oracle Option OLAP 10.1.0.3	Oracle 10g R1 (10.1.0.3)	Oracle Net Client 10.1
Oracle Option OLAP 10.1.0.4	Oracle 10g R1 (10.1.0.4) + (1)	Oracle Net Client 10.1
Oracle Option OLAP 9.2.0.5	Oracle 9.2	Oracle Net Client 9.2

Remark: When the Database & Middleware are not applicable (N/A), the source is an XML file compliant with the metadata format.

(1) Oracle database server requires Patch 4504204

(2) The following Oracle patches are required on the server OLAP 10.2.0.2.O:

Patch 4722589: Description SQL VIEW JOINING TWO ACTIVE CATALOG TABLE FUNCTION VIEWS NOT WORKING

Patch 4429146: Description INCORRECT LIMIT GENERATED ON TABLE FUNCTION WHEN LABEL CLAUSE USED IN LIMITMAP

Failure to properly install the Oracle patches will cause Universe Builder to fail. In addition, Oracle Cubes created in earlier versions must be migrated thru analytical Workspace Manager for cubes to be functional.

Supported Data Sources for Crystal Reports

Provider Name	Data Connector	Unicode Support
OLAP		
Hyperion Essbase Server 6.5.4	Hyperion Essbase API 6.5 Patch 4	

Provider Name	Data Connector	Unicode Support
Hyperion Essbase Server 7.0	Hyperion Essbase API 7.0	
Hyperion Essbase Server 7.1.x	Hyperion Essbase API 7.1.x	
IBM DB2 OLAP Server 8.1 FixPack 3	IBM DB2 OLAP API 8.1	
IBM DB2 OLAP Server 8.2	IBM DB2 OLAP API 8.2	
MS SQL Server Analysis Services 2000 SP4	Microsoft SQL Server 2000 Analysis Services 8.0 OLE DB Provider SP4	
MS SQL Server Analysis Services 2005 SP1	Microsoft SQL Server 2005 Analysis Services 9.0 OLE DB Provider SP1	
SAP BW Server 3.0b SP33	SAP GUI 620 or 640	
SAP BW Server 3.1c SP37	SAP GUI 620 or 640	
SAP BW Server 3.5 SP19	SAP GUI 640	
RDBMS		
Generic JDBC Data Sources	JDK 1.4	Yes
Generic ODBC Data Sources	ODBC	Yes
<u>Generic OLEDB Data Sources</u>	<u>OLEDB</u>	<u>Yes</u>
<u>HP NeoView 2.1 Generic OLEDB Data Sources</u>	<u>HP NeoView ODBC 2.1 OLEDB</u>	<u>Yes/Yes</u>
IBM DB2/UDB for iSeries 5.2	DB2 Client 8.1	Yes
	IBM iSeries Access (JDBC) 5.2	Yes
	IBM iSeries Access (ODBC) 5.2	Yes
	IBM iSeries Access (OLEDB) 5.2	Yes
IBM DB2/UDB for iSeries 5.3	DB2 ODBC Client 8.1	Yes
	DB2 Client 8.2	Yes
	IBM iSeries Access (JDBC) 5.3	Yes
	IBM iSeries Access (ODBC) 5.3	Yes
	IBM iSeries Access (OLEDB) 5.3	Yes
IBM DB2/UDB for NT/Unix/Linux 8.1	DB2 ODBC Client 8.2	Yes
	DB2 Client 8.1	Yes
	DB2 JDBC 8.1	Yes
	DB2 ODBC Client 8.1	Yes
IBM DB2/UDB for NT/Unix/Linux 8.2	DB2 OLEDB 8.1	Yes
	DB2 Client 8.2	Yes
	DB2 JDBC 8.2	Yes
	DB2 ODBC Client 8.2	Yes
	DB2 OLEDB 8.2	Yes
IBM DB2/UDB for NT/Unix/Linux	DB2 Client 9.1	Yes

Provider Name	Data Connector	Unicode Support
9.1 (1)	DB2 JDBC 9.1	Yes
	DB2 ODBC Client 9.1	Yes
	DB2 OLEDB 9.1	Yes
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
	DB2 ODBC Client 8.2	Yes
IBM Informix Dynamic Server 10.0	IBM Informix ODBC SDK 2.90	Yes
IBM Informix Dynamic Server 9.4	IBM Informix ODBC SDK 2.81	Yes
MS Access 2000	DAO 3.6	Yes
	Microsoft ODBC Access 2000	Yes
	Microsoft OLEDB Access 2000	Yes
MS Access 2003	DAO 3.6	Yes
	Microsoft ODBC Access 2003	Yes
	Microsoft OLEDB Access 2003	Yes
MS SQL Server 2000 SP4	JDBC SQL Server 2000	Yes
	Microsoft ODBC MDAC 2.8	Yes
	Microsoft OLEDB MDAC 2.8	Yes
MS SQL Server 2005	JDBC SQL Server 2005	Yes
	Microsoft ODBC MDAC 2.8	Yes
	Microsoft ODBC SNAC (Native Client)	Yes
	Microsoft OLEDB MDAC 2.8	Yes
	Microsoft OLEDB SNAC (Native Client)	Yes
MS SQL Server 7.0 SP4	Microsoft ODBC MDAC 2.7	Yes
	Microsoft OLEDB MDAC 2.7	Yes
MySQL 4.1.10a	JDBC MySQL	Yes
	MySQL ODBC Connector 3.51.12	Yes
MySQL 4.1.13	JDBC MySQL	Yes
	MySQL ODBC Connector 3.51.12	Yes
NCR Teradata V2R5	NCR Teradata ODBC 3.03	Yes
NCR Teradata V2R5.1	NCR Teradata ODBC 3.03	Yes
NCR Teradata V2R6	NCR Teradata JDBC 03.02.00	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

Provider Name	Data Connector	Unicode Support
Netezza NPS Server 2.5	Netezza ODBC 2.5	Yes
Oracle 10g R1 (10.1)	JDBC Oracle 10.1	Yes
	ODBC Oracle 10.1	Yes
	OLEDB Oracle 10.1	Yes
	Oracle Net Client 10.1	Yes
Oracle 10g R2 (10.2)	JDBC Oracle 10.2	Yes
	ODBC Oracle 10.2	Yes
	OLEDB Oracle 10.2	Yes
	Oracle Net Client 10.2	Yes
Oracle 9.2	JDBC Oracle 9.2	Yes
	ODBC Oracle 9.2	Yes
	OLEDB Oracle 9.2	Yes
	Oracle Net Client 9.2	Yes
Sybase ASE 12.5	JDBC Sybase 12.5	Yes
	ODBC Sybase 12.5	Yes
	Sybase Open Client 12.5	
Technology		
ADO. NET	MS .NET Framework 1.0	Yes
	MS .NET Framework 1.1	Yes
	MS .NET Framework 2.0	Yes
COM	N/A	Yes
Excel 2000	DAO 3.6	Yes
	ODBC	Yes
	OLEDB	Yes
Excel 2003	DAO 3.6	Yes
	ODBC	Yes
	OLEDB	Yes
Exchange 2000	Microsoft Office 2000	
Exchange 2003	Microsoft Office 2003	Yes
Field Definitions	N/A	Yes
Java Bean	JDK 1.4	Yes
XML	JDK 1.4	Yes

(1) IBM DB2 v9.1 requires a minimum of Windows 2003 SP1 to be the Operating System for Windows deployments.

Crystal Reports Reporting Data Sources Supported for Scheduling Only

Provider Name	Data Connector	Unicode Support
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Provider Name	Data Connector	Unicode Support
RDBMS		
IBM Informix Dynamic Server 10.0	IDS Client 10.0	
IBM Informix Dynamic Server 9.4	IDS Client 9.4	
Technology		
ACT 5	ACT 5	
ACT 6	ACT 6	
Borland Database Engine 5.1	BDE 5.1	
Exchange 5.5	Microsoft Office 2000	
File System	N/A	Yes
Lotus Notes 5	ODBC Lotus Notes 5	Yes
Lotus Notes 6	ODBC Lotus Notes 6	Yes
Microsoft IIS Log	N/A	
Microsoft Outlook 2000	Microsoft Office 2000	
Microsoft Outlook 2003	Microsoft Office 2003	
NT Event Log	N/A	
Pervasive SQL 2000	ODBC Pervasive 2000	Yes
	Pervasive SQL Client 2000	
Pervasive SQL 8	ODBC Pervasive 8	Yes
	Pervasive SQL Client 8	
Text	ODBC	Yes
Web Log	N/A	
Xbase	N/A	

Scheduled and on demand reporting

Schedule 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 Reports instances as concurrent on-demand reports will be handled in parallel.

Support of SAP BW Server

BusinessObjects XI R2 Integration Kit for SAP MUST be installed in order to use SAP BW Server as a data source from Web Intelligence, Crystal Reports, Desktop Intelligence, [Voyager](#) and OLAP [Intelligence](#) products. The exact patch levels required for SAP BW servers and API are specified in the Platforms.txt for BusinessObjects XI Release 2 Integration Kit for SAP.

Generic ODBC, OLEDB and JDBC: Limitation

(OLEDB and JDBC Supported for Crystal Reports Only)

(ODBC Supported for Crystal Reports, Desktop Intelligence and Web Intelligence 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.

OLAP Connectivity for OLAP Intelligence and Voyager

Provider Name	Data Connector
Hyperion Essbase Server 6.5.4	Hyperion Essbase API 6.5 Patch 4 (1)
Hyperion Essbase Server 7.0	Hyperion Essbase API 7.0
Hyperion Essbase Server 7.1.x	Hyperion Essbase API 7.1.x
IBM DB2 OLAP Server 8.1 Fix Pack 3	IBM DB2 OLAP API 8.1 (1)
IBM DB2 OLAP Server 8.2	IBM DB2 OLAP API 8.2
MS SQL Server Analysis Services 2000 SP4	Microsoft SQL Server 2000 Analysis Services 8.0 OLE DB Provider SP4
MS SQL Server Analysis Services 2005 SP1	Microsoft SQL Server 2005 Analysis Services 9.0 OLE DB Provider SP1 (2)
SAP BI 7 SP10	SAP GUI 640 (2)
SAP BW Server 3.0b SP33	SAP GUI 620 or 640
SAP BW Server 3.1c SP37	SAP GUI 620 or 640
SAP BW Server 3.5 SP19	SAP GUI 640

(1) Not supported for BusinessObjects Voyager

(2) BusinessObjects Voyager support only.

Support of SAP BW Server

BusinessObjects XI R2 Integration Kit for SAP MUST be installed in order to use SAP BW Server as a data source from Web Intelligence, Crystal Reports, Desktop Intelligence and OLAP **Intelligence** products. The exact patch levels required for SAP BW servers and API are specified in the Platforms.txt for BusinessObjects XI Release 2 Integration Kit for SAP.

BusinessObjects XI R2 Integration Kit for SAP with the latest SP2 patch MUST be installed for Voyager to work with SAP BW as a data source.

Other Tools

LDAP Directory

- IBM Tivoli Directory Server 5.1
- IBM Tivoli Directory Server 5.2
- Lotus Domino Directory 6.0.2
- Lotus Domino Directory 6.5.3
- Microsoft Active Directory Application Mode 2003 (ADAM)
- 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

Active Directory

- Microsoft Active Directory 2000
- Microsoft Active Directory 2003

Access Management

- **eTrust** (Netegrity) Siteminder 5.5
- **eTrust** (Netegrity) Siteminder 6.0

Office

- Windows Office 2000
- Windows Office 2000 SP3
- Windows Office 2000 SR1

- Windows Office 2003
- Windows Office 2003 SP1
- Windows Office 2003 SP2
- Windows Office XP
- Windows Office XP SP1
- Windows Office XP SP2
- Windows Office XP SP3
- **Windows Office 2007***

* Office 2007 support is for Business Objects Live Office and as an export destination for Crystal Reports.

Admin Platform

- Citrix Metaframe XP 1.0 + FR3
- Citrix Metaframe XPE 1.0 + FR3

Product/Language Support on Citrix

Citrix is supported for desktop products, excluding BusinessObjects OLAP **Intelligence** Client and Set Architect.

Citrix is not supported for Chinese and Korean.

Reader

- Acrobat Reader 5.0
- Acrobat Reader 7.0

.NET Framework

- .NET 1.0
- .NET 1.1
- .NET 2.0

Development Platforms

- Visual Studio .NET 2002
- Visual Studio .NET 2003
- Visual Studio .NET 2005

Note: Visual Studio integration with Vista is not supported by BusinessObjects Enterprise XI Release 2 for Windows.

Wireless – Hardware

- Pocket PC Hardware 2000
- Rim Blackberry OS 957 2.6

Wireless – Simulator

- Pocket PC Simulator 2003
- Rim Blackberry Simulator 3.6

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://www.businessobjects.com/>

► www.businessobjects.com

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