

# BusinessObjects Enterprise XI Release 2 SP3 for Windows

## Supported Platforms

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## Overview

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

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## Introduction

This document contains information specific to platforms and configurations for the BusinessObjects Enterprise XI Release 2. For the latest information on updates to this document, please visit the [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 this document.

## Products

### Desktop Products

- BusinessObjects Desktop Intelligence XI R2
  - BusinessObjects Enterprise XI (Win32 Clients) R2
  - BusinessObjects Live Office XI R2
  - BusinessObjects OLAP Intelligence XI R2 (2)
  - BusinessObjects Set Architect XI R2
  - BusinessObjects Set Analyzer XIR2 (3)
  - 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.
- (2) OLAP Intelligence has reached end-of-life as of XI R2 SP2. No new features or new platform support will be added for this product. For the list of platforms supported by OLAP Intelligence, please refer to SP2 platform support documentation. This can be found by visiting the [supported platforms](#) web site.
- (3) BusinessObjects Set Analyzer is not supported on Windows Vista.

## 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 (2)
  - 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) 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.)
- (2) OLAP Intelligence has reached end-of-life as of XI R2 SP2. No new features or new platform support will be added for this product.

## Languages

- Chinese Simplified
- Chinese Traditional
- Dutch
- English (2) (3)
- French (2)
- German
- Italian
- Japanese
- Korean
- Polish (1)
- Portuguese (Brazil)
- Russian (1)
- Spanish

- Swedish
- (1) Polish and Russian language support available only with the full BusinessObjects Enterprise XI Release 2 SP2 Suite release.
- (2) BusinessObjects Set Architect is supported in English and French only.
- (3) BusinessObjects Query as a Web Service (Client Tool) is supported in English only.

## Supported Operating Systems

### Desktop Products

- Windows 2000 SP4 Professional
- Windows XP SP2 Professional
- Windows Vista (All 32-bit and 64-bit Editions)
- Windows 2000 SP4 Advanced Server
- Windows 2000 SP4 Datacenter Server
- Windows 2000 SP4 Server
- Windows Server 2003 R2 Enterprise 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
- Windows Server 2003 (x64 Edition) SP2

### Server Products

- Windows 2000 SP4 Advanced Server
- Windows 2000 SP4 Datacenter Server
- Windows 2000 SP4 Server
- Windows Server 2003 R2 Enterprise 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
- Windows Server 2003 (x64 Edition) SP2

### BusinessObjects and Microsoft Critical Patches

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

## Minimum Hardware Requirements for BusinessObjects Enterprise XI Release 2

- 700-MHz Pentium III-class processor
- 2 GB RAM
- BusinessObjects Enterprise without Performance management - 2.5 GB free disk space for patch
- BusinessObjects Enterprise with Performance management - 2.5 GB free disk space for patch
- BusinessObjects Productivity Suite – 1 GB free disk space for patch

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

## Supported Application Servers

Application Servers	JDK
IIS 5.0	N/A (1)
IIS 6.0	N/A (1)
OAS 10G Rel.2 (10.1.2)	JDK 1.4.2_xx (1) (4)
SAP WAS 6.40 SP11	JDK 1.4.2_xx (2)
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	JDK 1.4.2_xx (3)
	JRockit 1.4.2_xx (3)

Application Servers	JDK
WebLogic 9.2	JDK 1.5.0_04+ JRockit 5.0+
WebSphere 5.1.1.0	JDK 1.4.2_xx
WebSphere 6.1.0.7	JDK 1.5.0_xx

- (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.

**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 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 there are multiple choices provided by the vendor. BusinessObjects 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.

### 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.

## Supported HTTP Servers

Any supported by Application Server vendor.

## Supported Portal Servers

- MS SharePoint portal server 2003
- MS SharePoint portal server 2007
- MS Windows SharePoint Services (WSS 2.0) 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 6 (JSR 168)

### 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
MacIntosh	Safari 1.3 (2)	Apple 1.4.2_xx
Windows	Firefox 2.0 (1) (4)	Sun 1.5.0_xx Sun 1.6.0_02+
	IE 6.0 SP1	Sun 1.4.2_xx 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+



Browser OS	Browser	JVM
	IE 7.0 (3)	Sun 1.4.2_xx Sun 1.5.0_xx Sun 1.6.0_02+

- (1) SVG is not supported (EPM).
- (2) Browser not supported for Voyager, OLAP Intelligence, EPM products and Process Tracker.
- (3) Browser not supported for OLAP Intelligence, and Process Tracker.
- (4) 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 Adaptive Server Enterprise 12.5.2	Sybase Open Client 12.5.2

Provider Name	Data Connector
Sybase Adaptive Server Enterprise 15	Sybase Open Client 12.5.2

(1) See release notes.

## 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
	Microsoft OLEDB MDAC 2.7
NCR Teradata V2R5.1	NCR Teradata ODBC 3.03 NCR Teradata ODBC 3.04
NCR Teradata V2R6	NCR Teradata ODBC 3.04
NCR Teradata V2R6.2	NCR Teradata ODBC 3.06
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	Sybase Open Client 12.5
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15

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

Provider Name	Data Connector
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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	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
MS SQL Server 2005	Microsoft OLEDB SNAC (native client)
	Microsoft ODBC 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
	DB2 Client 8.2
IBM DB2/UDB for NT/Unix 9.1	DB2 Client 8.1
	DB2 Client 9.1 (2) (3)
NCR Teradata V2R5.1	NCR Teradata ODBC 3.03
	NCR Teradata ODBC 3.04
NCR Teradata V2R6	NCR Teradata ODBC 3.04
NCR Teradata V2R6.2	NCR Teradata ODBC 3.06
Netezza NPS Server 2.5	Netezza ODBC 2.5 (1)
Netezza NPS Server 3.0	Netezza ODBC 3.0 (1)
Sybase Adaptive Server Enterprise 12.5	Sybase Open Client 12.5
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.

- (1) Netezza not supported for Set Analyzer.
- (2) Supported for Set Analysis.
- (3) Supported for Set Analyzer.

## Web Intelligence, Desktop Intelligence and Performance Management Data Sources

Provider Name	Data Connector	Unicode Support
<b>OLAP</b>		
Hyperion Essbase Server 7.0	Hyperion Essbase API 7.0 (1)	
Hyperion Essbase Server 7.1.x	Hyperion Essbase API 7.1.x (1)	

Provider Name	Data Connector	Unicode Support
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)	
<b>RDBMS</b>		
Generic ODBC Data Sources	ODBC (2)	
BusinessObjects Data Federator XI Release 2	ODBC for Data Federator	
HP NeoView 2.2	HP NeoView ODBC 2.2 (5)	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)	
	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

Provider Name	Data Connector	Unicode Support
	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 V2R5.1	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	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
Sybase Adaptive Server Enterprise 12.5	Sybase Open Client 12.5	
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15	
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 (4)	

- (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.
- (5) Not supported for Predictive Analysis

## 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
<b>Universe Builder BusinessObjects Data Integrator Plug-in</b>		
CWM from BusinessObjects Data Integrator 6.X/XI/XIR2	N/A	N/A
<b>Universe Builder CWM OLAP Plug-in</b>		
CWM OLAP 1.0	N/A	N/A
CWM OLAP 1.1	N/A	N/A
<b>Universe Builder CWM Relational Plug-in</b>		
CWM 1.0	N/A	N/A
CWM 1.1	N/A	N/A
<b>Universe Builder DB2 Cube Views Plug-in</b>		
IBM DB2 Cube Views 8.1	IBM DB2/UDB for NT/Unix 8.1	DB2 Client 8.1
<b>Universe Builder DB2 Data Warehouse Center Plug-in</b>		
CWM from DB2 Data Warehouse Center 8.X	N/A	N/A
<b>Universe Builder Oracle Data Warehouse Plug-in</b>		
OLAP/Relational CWM from Oracle Warehouse Builder 10g	N/A	N/A
OLAP/Relational CWM from Oracle Warehouse Builder 9i	N/A	N/A
<b>Universe Builder Oracle OLAP Plug-in</b>		
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
<b>OLAP</b>		
Hyperion Essbase Server 6.5.4	Hyperion Essbase API 6.5 Patch 4	
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	
<b>RDBMS</b>		
Generic JDBC Data Sources	JDK 1.4	Yes
Generic ODBC Data Sources	ODBC	Yes

Provider Name	Data Connector	Unicode Support
Generic OLEDB Data Sources	OLEDB	Yes
HP NeoView 2.2	HP NeoView ODBC 2.2	Yes
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
	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
	IBM iSeries Access (ODBC) 5.3	Yes
	IBM iSeries Access (OLEDB) 5.3	Yes
	DB2 ODBC Client 8.2	Yes
IBM DB2/UDB for NT/Unix/Linux 8.1	DB2 Client 8.1	Yes
	DB2 JDBC 8.1	Yes
	DB2 ODBC Client 8.1	Yes
	DB2 OLEDB 8.1	Yes
IBM DB2/UDB for NT/Unix/Linux 8.2	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 9.1 (1)	DB2 Client 9.1	Yes
	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



Provider Name	Data Connector	Unicode Support
	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 V2R5.1	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
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
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 Adaptive Server Enterprise 12.5	JDBC Sybase 12.5	Yes
	ODBC Sybase 12.5	Yes
	Sybase Open Client 12.5	
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15	
<b>Technology</b>		
ADO. NET	MS .NET Framework 1.0	Yes
	MS .NET Framework 1.1	Yes

Provider Name	Data Connector	Unicode Support
	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
<b>RDBMS</b>		
IBM Informix Dynamic Server 10.0	IDS Client 10.0	
IBM Informix Dynamic Server 9.4	IDS Client 9.4	
<b>Technology</b>		
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	

Provider Name	Data Connector	Unicode Support
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 Voyager

Provider Name	Data Connector
Hyperion Essbase Server 7.0	Hyperion Essbase API 7.0
Hyperion Essbase Server 7.1.x	Hyperion Essbase API 7.1.x
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 BI 7 SP10	SAP GUI 640
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

**Note:** BusinessObjects Voyager now has added connectivity support to the BusinessObjects Profitability application on Windows only. Refer to release notes for more details.

### 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
- 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)
- 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 SP3
- 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 (1)

(1) Office 2007 support is for BusinessObjects 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:** This section refers to the Visual Studio components that are included in Crystal Reports. These components are not supported when running in Visual Studio 2003 on Windows Vista, since Visual Studio 2003 doesn't support Windows Vista. For more information see the Microsoft Visual Studio and Windows Vista FAQ here:

<http://msdn2.microsoft.com/en-us/vstudio/aa948854.aspx>

### 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](http://www.businessobjects.com)

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