

# Business Objects Enterprise XI Release 2 SP5 for Solaris

## Supported Platforms

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## Overview

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

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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>

<b>NOTE</b>	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 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 (Server Components) XI R2
- BusinessObjects Encyclopedia XI R2
- BusinessObjects Process Tracker XI R2 (1)
- BusinessObjects Voyager

(1) Process Tracker product is installed separately. Note that BusinessObjects Enterprise Premium XI Release 2 includes Process Tracker.

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 <https://www.sdn.sap.com/irj/sdn/businessobjects-articles>

### 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

- Solaris 8 for SPARC
- Solaris 9 for SPARC
- Solaris 10 for SPARC (1)

(1) BusinessObjects Enterprise has been tested and is certified to function properly within Sun Solaris 10 Containers.

### Language Support Restriction

Note that Chinese Simplified, Chinese Traditional, and Korean are not supported on Solaris 8.

## Minimum Hardware Requirements on Solaris

- SPARC v8plus
- 1 GB RAM
- 4.70 GB hard disk space for complete install (BusinessObjects Enterprise without Performance management)
- 5.72 GB hard disk space for complete install (BusinessObjects Enterprise with Performance management)
- 2.50 GB hard disk space for patch install

**Note:** BusinessObjects Enterprise software support covers both 32-bit and 64-bit versions of the Solaris operating system. BusinessObjects Enterprise software is compiled natively as 32-bit binaries.

## Minimum Patch Level for Solaris 8

Solaris 8 minimum install plus the following packages:

- SUNWgzip
- SUNWzlib
- SUNWscpu
- SUNWbash
- SUNWbcp
- SUNWxcu4 XCU4 Utilities
- SUNWxwfont
- SUNWxwplt
- SUNWlibC
- SUNWeuluf UTF-8 L10N For Language Environment User Files
- SUNWuiu8 Iconv modules for UTF-8 Locale
- SUNWulcf UTF-8 Locale Environment Common Files
- SUNWmfrun
- SUNWxwice

Solaris 8 recommended Patch Cluster including:

- kernel patch 108528-24 or higher
- C++ run-time 108434-13 or higher
- linker patch 109147-26 or higher (\*See release notes for exceptions.)
- Misc loc have errors in CTYPE and lv colln monetary 109778-13 or higher
- gzip patch 112668-01 or higher
- libz patch 112611-02 or higher
- tar patch 110951-04 or higher
- sh family patch 109324-05 or higher
- en\_UTF-8 patch 114059-02 or higher

Additional patches: thread, c and other library patch 108993-32 or higher.

Higher patches are supported by BusinessObjects.

Note that Patch 108993-32 requires the following to be installed first: mntfs patch 111023-03, init patch 111317-05, mount patch 113648-03, netstrategy patch 115827-01, uadmin patch 116602-01.

## Minimum Patch Level for Solaris 9

Solaris 9 minimum install plus the following packages:

- SUNWgzip
- SUNWzlib
- SUNWscpu
- SUNWbash
- SUNWbcp
- SUNWxcu4 XCU4 Utilities
- SUNWxfnt
- SUNWxwplt
- SUNWlibC
- SUNWeu8os American English/UTF-8 L10N For OS Environment User Files
- SUNWeuluf UTF-8 L10N For Language Environment User Files
- SUNWuiu8 Iconv modules for UTF-8 Locale
- SUNWulcf UTF-8 Locale Environment Common Files
- SUNWmfrun
- SUNWxwice

Solaris 9 Recommended Patch Cluster including:

- kernel patch 112233-11 or higher
- libc 112874-16 or higher
- C++ run-time 111711-06 or higher
- linker patch 112963-17 or higher (\*See release notes for exceptions.)
- zlib patch 115754-02 or higher

Higher patches are supported by BusinessObjects.

## Minimum Patch Level for Solaris 10

Solaris 10 minimum install plus the following packages:

- SUNWgzip
- SUNWzlib
- SUNWscpu
- SUNWbash

- SUNWbcp
- SUNWxcu4 XCU4 Utilities
- SUNWxwfmt
- SUNWxwplt
- SUNWlibC
- SUNWeu8os American English/UTF-8 L10N For OS Environment User Files
- SUNWeuluf UTF-8 L10N For Language Environment User Files
- SUNWuiu8 Iconv modules for UTF-8 Locale
- SUNWulcf UTF-8 Locale Environment Common Files
- SUNWmfrun
- SUNWxwice

Higher patches are supported by BusinessObjects.

## Supported Locales

Language	Solaris 8	Solaris 9/10
English	en_US.UTF-8	en_US.UTF-8
French	fr_FR.UTF-8	fr_FR.UTF-8
Japanese	ja_JP.UTF-8	ja_JP.UTF-8
Simplified Chinese	Not supported by OS	zh_CN.UTF-8@pinyin
		zh_CN.UTF-8@radical
		zh_CN.UTF-8@stroke
German	de_DE.UTF-8	de_DE.UTF-8
Italian	it_IT.UTF-8	it_IT.UTF-8
Spanish	es_ES.UTF-8	es_ES.UTF-8
Dutch (1)	Not supported by OS	nl_NL.UTF-8 (Not supported by Solaris 9)
Korean	Not supported by OS	ko_KR.UTF-8@dict
Traditional Chinese	Not supported by OS	zh_TW.UTF-8@pinyin
		zh_TW.UTF-8@radical
		zh_TW.UTF-8@stroke

Language	Solaris 8	Solaris 9/10
		zh_TW.UTF-8@zhuyin
Swedish	sv_SE.UTF-8	sv_SE.UTF-8
Polish	Not supported by OS	pl_PL.UTF-8
Portuguese	pt_BR.UTF-8	pt_BR.UTF-8
Russian	Not supported by OS	ru_RU.UTF-8

(1) Dutch locale is not supported on Solaris

Please consult your UNIX 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(2)
OAS 10G Rel.2 (10.1.2)	JDK 1.4.2_xx (1)
Sun Java System Application Server 8.1 Update 2 (05Q1)	JDK 1.4.2_06+ (2)
Sun Java System Application Server Enterprise Edition 8.2	JDK 1.4.2_06+(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
WebLogic 9.2	JDK 1.5.0_04+
WebSphere 5.1.1.x (excluding 5.1.1.4)	JDK 1.4.2_xx (3) (4)
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 Process Tracker.

(3) EPM products support WebSphere 5.1.1.6 and later versions

(4) WebSphere 5.1 is not supported by IBM on Solaris 10. It is supported on Solaris 8 and 9 only.



**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 (JSR 168)
- WebLogic Portal 9.2 (JSR 168)
- WebSphere Portal 6 (JSR 168)
- WebSphere Portal 6.1 (JSR 168/286)

### **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 3.0 (1)	Apple 1.4.2_xx Apple 1.5.0_xx
	Safari 3.1 (4)	Apple 1.4.2_xx Apple 1.5.0_xx Apple 1.6.0_xx
Windows	Firefox 2.0 (3)	Sun 1.5.0_xx Sun 1.6.0_02+
	Firefox 3.0 (3)(4)	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 (2)	Sun 1.4.2_xx Sun 1.5.0_xx Sun 1.6.0_02+

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

### 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)(2)
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

(2) Not Supported for Solaris 8

## 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

Provider Name	Data Connector
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
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)(2)
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  
(2) Not Supported for Solaris 8

## 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) (3)	
Hyperion Essbase Server 7.1.x	Hyperion Essbase API 7.1.x (1) (3)	
SAP BI 7 SP10	SAP GUI 640 (1) (3)	
SAP BW Server 3.5	SAP GUI 640 (1) (3)	
<b>RDBMS</b>		
Generic ODBC Data Sources	UNIX ODBC	
IBM DB2/UDB for iSeries 5.2	DB2 Client 8.1	
	DB2 ODBC Client 8.1	
IBM DB2/UDB for iSeries 5.3	DB2 Client 8.2	

Provider Name	Data Connector	Unicode Support
	DB2 ODBC Client 8.2	
IBM DB2/UDB for NT/Unix 8.2	DB2 Client 8.2	Yes
	DB2 ODBC Client 8.2	Yes
IBM DB2/UDB for NT/Unix 9.1	DB2 Client 9.1	Yes
	DB2 ODBC Client 9.1	Yes
IBM DB2/UDB for NT/Unix 9.5	DB2 Client 9.5	Yes
	DB2 ODBC Client 9.5	Yes
IBM DB2/UDB for zSeries 8	DB2 Client 8.2 (1)	
	DB2 ODBC Client 8.2 (1)	
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	
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 (2)	
MS SQL Server 2005 RTM / SP1 / SP2	DataDirect ODBC Driver v5.1 for MS SQL (2) DataDirect ODBC Driver v5.3 for MS SQL (2)	Yes
MS SQL Server 2008	DataDirect ODBC Driver v5.2 for MS SQL (2) DataDirect ODBC Driver v5.3 for MS SQL (2)	Yes
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	

Provider Name	Data Connector	Unicode Support
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(2)	Yes
Oracle 10g R2 (10.2)	Oracle NET Client 10.2(2)	Yes
Oracle 11g	Oracle NET Client 11(2)(4)(5)	Yes
Sybase Adaptive Server Enterprise 12.5	Sybase Open Client 12.5	
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15 (1)	
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 (1)	

(1) Not supported for Performance Management.

(2) DataDirect 5.3 branded drivers are available with the product install

(3) Not supported for Desktop Intelligence.

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

(5) Not Supported for Solaris 8

### 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. 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.

## 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)

Provider Name	Data Connector
Oracle 10g R2 (10.2)	Oracle NET Client 10.2 (1)
Oracle 11g	Oracle NET Client 11 (1) (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 2008	Microsoft ODBC MDAC 2.8
IBM DB2 UDB 8.2 for Linux, UNIX, and Windows	DB2 Client 8.2 (1)
IBM DB2 UDB 9.1 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
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.
- (2) Not Supported for Solaris 8

## Crystal Reports Reporting Data Sources

Provider Name	Data Connector	Unicode Support
<b>OLAP</b>		
Hyperion Essbase Server 7.0	Hyperion Essbase API 7.0	
Hyperion Essbase Server 7.1.x	Hyperion Essbase API 7.1.x	
SAP BW Server 3.5	SAP GUI 640	
SAP BI 7 SP10	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
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 for NT/Unix/Linux 8.2	DB2 Client 8.2	Yes
	DB2 JDBC 8.2	Yes
	DB2 ODBC Client 8.2	Yes
IBM DB2/UDB for NT/Unix/Linux 9.1	DB2 Client 9.1	Yes
	DB2 JDBC 9.1	Yes
	DB2 ODBC Client 9.1	Yes
IBM DB2/UDB for NT/Unix/Linux 9.5	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
IBM Informix Dynamic Server 9.4	ODBC DataDirect 5.3 (1)	Yes
IBM Informix Dynamic Server 10.0	ODBC DataDirect 5.3 (1)	Yes
MS SQL Server 2000 SP4	JDBC SQL Server 2000	Yes
	ODBC DataDirect 5.3 for MS SQL (1)	Yes
MS SQL Server 2005 RTM / SP1 /SP2	JDBC SQL Server 2005	Yes
	ODBC DataDirect 5.3 for MS SQL (1)	Yes
MS SQL Server 2008	ODBC DataDirect 5.3 for MS SQL (1)	Yes
MySQL 4.1.10a	JDBC MySQL	Yes
MySQL 4.1.13	JDBC MySQL	Yes
MySQL 4.1.23	JDBC MySQL	Yes



Provider Name	Data Connector	Unicode Support
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
Teradata V12	Teradata ODBC 3.06 ( TTU 12.0 ) (3)	Yes
	Teradata JDBC 12 ( TTU 12.0 )	Yes
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 11g (2)(4)	JDBC Oracle 11	Yes
	ODBC DataDirect 5.2 (1)	
	Oracle NET Client 11	
Oracle 10g R1 (10.1) (2)	JDBC Oracle 10.1	Yes
	ODBC DataDirect 5.3 (1)	Yes
	Oracle NET Client 10.1	Yes
Oracle 10g R2 (10.2) (2)	JDBC Oracle 10.2	Yes
	ODBC DataDirect 5.3 (1)	Yes
	Oracle NET Client 10.2	Yes
Oracle 9.2	JDBC Oracle 9.2	Yes
	ODBC DataDirect 5.3 (1)	Yes
	Oracle NET Client 9.2	Yes
Sybase Adaptive Server Enterprise 12.5	JDBC Sybase 12.5	Yes
	ODBC DataDirect 5.1 (1)	Yes
	Sybase Open Client 12.5	
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15	
<b>Technology</b>		
Java Bean	JDK 1.4	Yes
XML	JDK 1.4	Yes

Provider Name	Data Connector	Unicode Support
<b>Crystal Reports Reporting Data Sources Supported for Scheduling Only</b>		
Text	ODBC DataDirect 5.3 (1)	

- (1) Additional DataDirect 5.3 branded drivers for Crystal Reports are available for download on the [SAP Developer Network](#).
- (2) Oracle Real Application Cluster (RAC) is supported
- (3) Please refer to knowledge base article [1264200](#)
- (4) Not Supported for Solaris 8

### 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 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. 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.

## 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
Hyperion System 9	Hyperion Essbase client 7.X or 9.0 client (working in backwards compatibility mode)
SAP BI 7 SP10	SAP GUI 640
SAP BW Server 3.5	SAP GUI 640

### Support of SAP BW Server

BusinessObjects XI Release 2 Integration Kit for SAP MUST be installed in order to use SAP BW Server as a data source. The exact levels required for SAP BW servers and API are specified in the platforms.txt for BusinessObjects XI R2 Integration Kit for SAP.

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

## 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

## 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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