

# BusinessObjects Enterprise XI Release 2 SP5 for AIX

## Supported Platforms

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## Overview

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

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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. |
|-------------|--|

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

- AIX 5L 5.2 (1)
- AIX 5L 5.3 (1)

(1) BusinessObjects Enterprise has been tested and is certified to function properly within IBM AIX Logical Partitions (LPAR) for this service pack release.

## Minimum Hardware Requirements on AIX

- AIX 5.2, AIX 5.3
- 2 GB RAM
- 5.82 GB hard disk space for complete install (BusinessObjects Enterprise without Performance management)
- 6.82 GB hard disk space for complete install (BusinessObjects Enterprise with Performance management)
- 4.50 GB hard disk space for patch install

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

## Minimum Patch Level for AIX 5.2

Required minimum operating system install for AIX 5L plus:

- Maintenance Level 5
- November 2003 C++ Runtime PTF => x1C.aix50.rte 6.0.0.14 (Note that this PTF requires Runtime of Level 6.0.0.0 to be installed prior to installing the PTF)
- APAR IY75115

Higher patches are supported by BusinessObjects.

## Minimum Patch Level for AIX 5.3

Required minimum operating system install for AIX 5L plus:

- Maintenance Level 1
- November 2003 C++ Runtime PTF => x1C.aix50.rte 6.0.0.14\* (Note that this PTF requires Runtime of Level 6.0.0.0 to be installed prior to installing the PTF)

Higher patches are supported by BusinessObjects.

- \* Except for double byte character set locales in which ONLY the x1C.aix50.rte 6.0.0.14 runtime library is currently supported because of a compatibility issue with library revisions higher than 6.0.0.14. Revisions higher than 6.0.0.14 could cause unexpected string conversion behavior (such as universe names corruption in the File repository).

## Supported Locales

| Language            | AIX Locales |
|---------------------|-------------|
| English             | EN_US.UTF-8 |
| French              | FR_FR.UTF-8 |
| Japanese            | JA_JP.UTF-8 |
| Simplified Chinese  | ZH_CN.UTF-8 |
| German              | DE_DE.UTF-8 |
| Italian             | IT_IT.UTF-8 |
| Spanish             | ES_ES.UTF-8 |
| Dutch               | NL_NL.UTF-8 |
| Korean              | KO_KR.UTF-8 |
| Traditional Chinese | ZH_HK.UTF-8 |
|                     | ZH_TW.UTF-8 |
| Swedish             | SV_SE.UTF-8 |
| Polish              | PL_PL.UTF-8 |
| Portuguese          | PT_BR.UTF-8 |
| Russian             | RU_RU.UTF-8 |

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 (5)       |
| 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                      | IBM JDK 1.4.2+         |
| WebLogic 9.2                          | IBM JDK 1.5.0+ (3) (4) |
| WebSphere 5.1.1.x (excluding 5.1.1.4) | JDK 1.4.2_xx (2)       |
| 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 at this time Only Enterprise Edition is supported. See release notes for patch levels for other products.
- (2) EPM products support WebSphere 5.1.1.6 and later versions
- (3) WebLogic 9.2 running on AIX 5.3, ML3 (or higher MLs) is required.
- (4) WebLogic 9.2 running on AIX 5.2, ML7 (or higher MLs) is required.
- (5) 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 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)

### 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<br>Apple 1.5.0_xx                   |
|            | Safari 3.1     | Apple 1.4.2_xx<br>Apple 1.5.0_xx<br>Apple 1.6.0_xx |



| Browser OS | Browser         | JVM   |
|------------|-----------------|---|
| Windows    | Firefox 2.0 (2) | Sun 1.5.0_xx<br>Sun 1.6.0_02+                 |
|            | Firefox 3.0 (2) | Sun 1.5.0_xx<br>Sun 1.6.0_02+                 |
|            | IE 6.0 SP2      | Sun 1.4.2_xx<br>Sun 1.5.0_xx<br>Sun 1.6.0_02+ |
|            | IE 7.0 (3)      | Sun 1.4.2_xx<br>Sun 1.5.0_xx<br>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 |

| Provider Name                                | Data Connector            |
|--|---------------------------|
| 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)  |
| Oracle 9.2                                   | Oracle NET Client 9.2     |
| 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

## 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       |
| 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 |
|--|----------------------------|-----------------|
| <b>OLAP</b>                                  |                            |                 |
| SAP BI 7 SP10                                | SAP GUI 640 (1) (4)        |                 |
| SAP BW Server 3.5                            | SAP GUI 640 (1) (4)        |                 |
| <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             |                 |
|  | DB2 ODBC Client 8.2        |                 |
| 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             |
| IBM DB2/UDB for zSeries 8                    | DB2 Client 8.2 (1)         |                 |
|  | DB2 ODBC Client 8.2 v      |                 |
| 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)<br>DataDirect ODBC Driver v5.3 for MS SQL (3) | Yes             |
| MS SQL Server 2008                     | DataDirect ODBC Driver v5.2 for MS SQL (3)<br>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   |                 |
| 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)   | Yes             |
| Netezza NPS Server 3.1                 | Netezza ODBC Driver 3.1  |                 |
| Netezza NPS Server 4.0                 | Netezza ODBC Driver 4.0  |                 |
| Netezza NPS Server 4.5                 | Netezza ODBC 4.5 Driver  |                 |
| Oracle 9.2                             | Oracle NET Client 9.2  | Yes             |
| Oracle 10g R1 (10.1)                   | Oracle NET Client 10.1(5)  | Yes             |
| Oracle 10g R2 (10.2)                   | Oracle NET Client 10.2(5)  | Yes             |
| Oracle 11g                             | Oracle NET Client 11 (5)   | Yes             |
| Sybase Adaptive Server Enterprise 12.5 | Sybase Open Client 12.5  |                 |
| Sybase Adaptive Server Enterprise 15   | Sybase Open Client 15 (1)  |                 |

| 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 (2) |                 |
| Sybase SQL Anywhere (ASA) 10   | Sybase ODBC 9 for Adaptive Server IQ 12.7 (1) |                 |

- (1) Not supported for Performance Management.
- (2) Not supported on AIX 5.2
- (3) DataDirect 5.3 branded drivers are available with the product install
- (4) Not supported for Desktop Intelligence.
- (5) Oracle Real Application Cluster (RAC) is supported

### 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)           |
| 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 9.1 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               |

| Provider Name                            | Data Connector                            |
|--|---|
| 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.

## 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             |
| 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,             | DB2 Client 9.1                | Yes             |

| Provider Name                                | Data Connector                     | Unicode Support |
|--|------------------------------------|-----------------|
| and Windows                                  | DB2 JDBC 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 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             |
| 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 12 ( TTU 12.0 )      | 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             |

| Provider Name   | Data Connector          | Unicode Support |
|---|-------------------------|-----------------|
| Oracle 9.2  | JDBC Oracle 9.2         | Yes             |
|   | ODBC DataDirect 5.3 (1) | Yes             |
|   | Oracle NET Client 9.2   | Yes             |
| 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 11g  | JDBC Oracle 11          | Yes             |
|   | ODBC DataDirect 5.3 (1) | Yes             |
|   | Oracle NET Client 11    | Yes             |
| Sybase ASE 12.5   | JDBC Sybase 12.5        | Yes             |
|   | ODBC DataDirect 5.3 (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             |
| <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

### 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**

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

## 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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