

SAP BusinessObjects Edge BI 3.1, Version with Data Integration (not for con to SAP) Service Pack 3 for Windows – Supported Platforms



Applies to:

SAP BusinessObjects, Edge BI 3.1, version with data integration (not for con to SAP) Service Pack 3 for Windows. For more information, visit the [Business Objects homepage](#).

Summary

Supported Platforms Documented for SAP BusinessObjects Edge BI 3.1 Service Pack 3

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Introduction

This document contains information specific to platforms and configurations for the SAP BusinessObjects Edge BI 3.1, version with data integration Service Pack 3 release. For the latest information on updates to this document, please visit [SAP BusinessObjects articles](#).

NOTE: Anything that is highlighted using red font indicates that it is an update, addition or correction made after the original release of this document.

NOTE: Data Services 3.2 SP2 is included from SAP BusinessObjects Edge 3.1 FP 2.1 onwards Products

Desktop

- SAP BusinessObjects™ Edge 3.1 Client Tools(Win32 clients)
- Data Services 3.2 SP2 (Client Components) (1)
- SAP BusinessObjects™ Live Office (3)
- Crystal Reports® Designer 2008
- Universe Builder BusinessObjects™ Data Integrator plug-in
- Universe Builder CWM OLAP plug-in
- Universe Builder CWM Relational plug-in
- Universe Builder DB2 Cube Views plug-in
- Universe Builder DB2 Data Warehouse Center plug-in
- Universe Builder Oracle Data Warehouse plug-in
- Universe Builder Oracle OLAP plug-in
- Query as a Web Service (client tool) (1) (3)

(1) Available in English only.

(2) Not supported on Windows Vista and Windows 64-bit O/S.

(3) .Net Framework 2.0 is a necessary minimum requirement.

Server

- SAP BusinessObjects™ Edge 3.1 (Server Components)
- Data Services 3.2 SP2

Languages

- Chinese Simplified
- Chinese Traditional
- Czech
- Danish
- Dutch
- English (1)
- Finnish
- French
- German
- **Hungarian**

- Italian
- Japanese
- Korean
- Norwegian
- Polish
- Portuguese (Brazil)
- **Slovak**
- Spanish
- Swedish
- Russian
- Thai

(1) Data Services 3.2 SP2 is supported in English only.

Supported Operating Systems

Desktop Products

- Windows XP SP3 Professional
- Windows XP SP2 Professional
- Windows Vista SP1 (1)
- Windows Vista SP2 (1)
- Windows 7 (1)
- Windows Server 2003 SP2 (1) (2)
- Windows Server 2003 R2 SP2 (1) (2)
- Windows Server 2008 (1) (2)
- Windows Server 2008 SP2 (1) (2)
- Windows Server 2008 R2 (2) (3)

(1) 32-bit and 64-bit O/S editions supported (No Native 64 bit support, only 64 bit compatibility mode)

(2) Data Center Edition, Enterprise Edition, Standard Edition , Web Edition

(3) Data Services 3.2 SP2 is not supported

(4) Applicable only for Data Services 3.2 SP2

Server Products

- Windows Server 2003 SP2 (1) (2)
- Windows Server 2003 R2 SP2 (1) (2)
- Windows Server 2008 (1) (2)
- Windows Server 2008 SP2 (1) (2)
- Windows Server 2008 R2 (2) (3)

(1) 32-bit and 64-bit O/S editions supported (No Native 64 bit support, only 64 bit compatibility mode)

(2) Data Center Edition, Enterprise Edition, Standard Edition , Web Edition

(3) Applicable only for Data Services 3.2 SP2

SAP BusinessObjects and Microsoft Critical Patches

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

Specified Windows versions have been successfully tested by Business Objects. The compatible service pack releases of the specified versions will be supported as they are made available, but may not have been tested by Business Objects. Exceptions in support will be documented

Minimum Screen Resolution

Screen resolution of [1024] x [768] is recommended.

Minimum Hardware Requirements for SAP BusinessObjects Edge BI 3.1, version with data integration (excluding Data Services 3.2 SP2)

- 2.0 GHz Pentium 4-class processor
- 2 GB RAM
- 5.6 GB hard disk space for SAP BusinessObjects Edge BI 3.1, version with data integration for complete install excluding Data Services 3.2 SP2

Note 1: SAP BusinessObjects Edge BI 3.1, version with data integration software is supported running on 32-bit versions of Windows running on x86 and x64 CPUs made by AMD and Intel.

SAP BusinessObjects Edge BI 3.1, version with data integration software is supported running on 64-bit versions of Windows running on x64 CPUs made by AMD and Intel if it can reference the 32-bit operating system libraries as well as the 32-bit database and application client libraries.

Note 2: Additional languages can be installed in SAP BusinessObjects Edge via Language Pack Install. On average, an additional 0.3 GB hard disk space is required per language install.

Minimum Hardware Requirements for SAP BusinessObjects Data Services XI 3.2 SP2 components

Windows support is limited strictly to AMD/Intel chipsets. SAP BusinessObjects Data Services 3.2 SP2 software for Windows is not warranted or supported for use on other chipsets.

- SAP BusinessObjects Data Services 3.2 SP2 is supported running on 32-bit versions of Windows running on x86 and x64 CPUs made by AMD and Intel.
- SAP BusinessObjects Data Services 3.2 SP2 is supported running on 64 -bit versions of Windows running on x64 CPUs made by AMD and Intel if it can reference the 32-bit operating system libraries as well as the 32-bit database and application client libraries.

Data Services Designer

- Pentium processor with a minimum of 512 MB RAM (1 GB recommended) and 2GB free disk space
- Screen resolution of 1024 x 768 pixels with 16-bit or 65536 colors recommended (minimum 256 colors)
- Operating system paging file with a minimum setting of 1GB (2 GB recommended)

Data Services Job Server

- Pentium processor (dual processor with minimum 1 GHz recommended) with a minimum of 1GB RAM (2 GB recommended) RAM and 2 GB free disk space
- 2 GB virtual memory
- Recommended minimum pageable cache directory size: 2GB

Data Services Access Server

- Pentium processor (dual processor with minimum 1 GHz recommended) with at least 512 MB RAM (1 GB recommended)
- 1 GB virtual memory (recommended 2GB)

Data Services Management Console

- Pentium processor with at least 512 MB RAM (1 GB recommended) and 150MB free disk space

Supported Application Servers

Application Servers	JDK
Tomcat 5.5	JDK 1.5.0_xx
Tomcat 6.0.18	JDK 1.5.0_xx

Note: Native 64-bit Java Application Servers are supported.

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 _xx release installed with a given application server.

Supported HTTP Servers

Any supported by Application Server vendor.

Supported Portal Servers

- Microsoft SharePoint Portal Server 2003 (32-bit editions only) (1) (2)
- Microsoft Windows SharePoint Services (WSS 2.0) 2003 (32-bit only) (1) (2)
- Microsoft SharePoint Portal Server 2007 (32-bit editions only) (1) (2)
- Microsoft Windows SharePoint Services (WSS 3.0) 2007 (32-bit only) (1) (2)
- Oracle Portal Server 10g R3 (10.1.4) (JSR 168)
- WebLogic Portal Server 9.2.x (JSR168)
- WebLogic Portal Server 10.0.x (JSR168)
- WebSphere Portal 6.0.x.x (JSR 168)
- **WebSphere Portal 6.1 (JSR 268)**

(1) Portal Integration Kit for SharePoint supports 32-bit SharePoint running on either 32-bit or 64-bit Windows Servers provided SharePoint itself supports the operating system.

(2) Danish, Thai & Norwegian languages are not supported

Portal Server Minor Release Support Policy

Specified portal servers versions have been successfully tested by Business Objects. Minor/incremental releases of the specified versions defined by the last number (or two in the case of Websphere) in the portal server version number will be supported as they are made available, but all may not have been tested by SAP BusinessObjects. Exceptions in support will be documented.

Supported Browsers (excluding Data Services 3.2 SP2)

Browser OS	Browser	JVM
Apple Mac OS X	Firefox 3.0	Apple 1.5.0_xx Apple 1.6.0_xx
	Firefox 3.5	Apple 1.5.0_xx Apple 1.6.0_xx
	Safari 3.2.x (1)	Apple 1.5.0_xx Apple 1.6.0_xx
	Safari 4.0.3+ (1)	Apple 1.5.0_xx Apple 1.6.0_xx
Microsoft Windows	Firefox 3.0	Sun 1.5.0_xx Sun 1.6.0_02+
	Firefox 3.5	Sun 1.5.0_xx Sun 1.6.0_02+
	IE 6.0 SP2/SP3	Sun 1.5.0_xx Sun 1.6.0_02+
	IE 7.0	Sun 1.5.0_xx Sun 1.6.0_02+
	IE 8.0 (2)	Sun 1.5.0_xx Sun 1.6.0_xx

(1) Not Supported by Performance Management.

(2) Only Compatibility Mode Supported

SVG and Flash support for Dashboard and Analytics

- SVG is not supported by Dashboard and Analytics for Firefox and Safari 4.0.
- SVG version 3.0.3 and above supported for Internet Explorer.
- Flash version 7 and above supported for Internet Explorer and Firefox.

Supported Browsers for Data Services 3.2 SP2

Browser OS	Browser	Plug-In
Windows	Internet Explorer 6.0 SP2	Macromedia Flash Player 7.0
	Internet Explorer 7.0	Macromedia Flash Player 7.0
	Internet Explorer 8.0	Macromedia Flash Player 7.0

Data Source Middleware Support

SAP BusinessObjects Edge BI 3.1, version with data integration 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 SUPPORTED PLATFORMS, 64-bit middleware connectivity is not supported.

ODBC DSN Support

SAP BusinessObjects products use the 32-bit ODBC registry on all versions of Windows. To administer 32-bit ODBC DSNs on 64-bit versions of Windows, run the 32-bit ODBC Administrator, located here: C:\Windows\SysWOW64\odbcad32.exe.

CMS Database (Repository) & Audit Data Sources

Provider Name	Data Connector
IBM DB2/UDB for NT/Unix/Linux 8.2	DB2 Client 8.2
IBM DB2/UDB for NT/Unix/Linux 9.1	DB2 Client 9.1
IBM DB2/UDB for NT/Unix/Linux 9.5	DB2 Client 9.5
MS SQL Server 2000 SP4	Microsoft ODBC MDAC 2.8
MS SQL Server 2005 SP1/SP2/SP3	Microsoft ODBC MDAC 2.8
	Microsoft ODBC SNAC (Native Client)
MS SQL Server 2008	Microsoft ODBC MDAC 2.8
	Microsoft ODBC SNAC (Native Client)
MySQL AB 5.0	MySQL C-API
Oracle 11g R1 (11.1)	Oracle Net Client (11.1.0.6) (1)
Oracle 10g R1 (10.1)	Oracle Net Client 10.1 (1)
Oracle 10g R2 (10.2)	Oracle Net Client 10.2 (1)
Oracle 9.2	Oracle Net Client 9.2
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15

- (1) Oracle Real Application Cluster (RAC) is supported.
- (2) For more information about support of Oracle 11g R1 with Oracle Net Client 10.2, please refer to the Release Notes.

Dashboard and Analytics Repository Data Sources

Provider Name	Data Connector
IBM DB2/UDB for NT/Unix/Linux 8.2	DB2 Client 8.2
IBM DB2/UDB for NT/Unix/Linux 9.1	DB2 Client 9.1
IBM DB2/UDB for NT/Unix/Linux 9.5	DB2 Client 9.5
IBM DB2/UDB for zSeries 8	DB2 Client 8.2
IBM DB2/UDB for zSeries 9.1	DB2 Client 9.1
MS SQL Server 2000 SP4	Microsoft ODBC MDAC 2.8
	Microsoft OLEDB MDAC 2.8
MS SQL Server 2005 SP1/SP2/SP3	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
	Microsoft ODBC SNAC (SQL Native Client)
	Microsoft OLEDB MDAC 2.8
	Microsoft OLEDB SNAC (SQL Native Client)
NCR Teradata V2R6.2	NCR Teradata ODBC 3.06 (TTU 8.2)
Teradata V12.0	Teradata ODBC (TTU 12.00.00.1)
	Teradata JDBC (TTU 12.00.00.1)
Teradata 13.0	Teradata ODBC (TTU 13.00.00.2)
	Teradata JDBC (TTU 13.00.00.7)
Oracle 11g R1 (11.1)	Oracle Net Client 11.1 (1)
Oracle 10g R1 (10.1)	Oracle Net Client 10.1 (1)
Oracle 10g R2 (10.2)	Oracle Net Client 10.2 (1)
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

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

Web Intelligence, Desktop Intelligence, Dashboard and Analytics Data Sources

Provider Name	Data Connector	Unicode Support
OLAP (1)		
Hyperion Essbase Server 7.1.x	Hyperion Essbase API 7.1.x	
Hyperion System 9	Hyperion Essbase client 9.0	
	Hyperion Essbase client 9.2	
	Hyperion Essbase client 9.3	
Microsoft SQL Server Analysis Services 2000 SP4	MS SQL Server OLAP Client 2000 SP4	
Microsoft SQL Server Analysis Services 2005 SP1	Microsoft SQL Server 2005 Analysis Services 9.0 OLE DB Provider SP1	
Microsoft SQL Server Analysis Services 2005 SP2	Microsoft SQL Server 2005 Analysis Services 9.0 OLE DB Provider SP2	
Microsoft SQL Server Analysis Services 2008	Microsoft SQL Server 2008 Analysis Services 10.0 OLE DB	
RDBMS		
Generic JDBC Data Sources	Java 1.5 (5)	
Generic ODBC Data Sources	ODBC	
GreenPlum Database 3.2	PostgreSQL 8.2/8.3 ODBC	Yes
	PostgreSQL 8.2/8.3 JDBC	Yes
BusinessObjects Data Federator 3.0 (XI R2)	ODBC for Data Federator (2)	
BusinessObjects Data Federator 3.5 (XI R2)	ODBC for Data Federator (2)	
	Data Federator JDBC driver v3.5 (2) (5)	
HP Neoview 2.3.1	HP Neoview ODBC Driver 2.3.1 (4)	Yes
HP Neoview 2.4	HP Neoview ODBC Driver 2.4 (4)	Yes
IBM DB2/UDB for iSeries 5.3	DB2 Client 8.2	
	IBM iSeries Access (ODBC) 5.3	
IBM DB2/UDB for iSeries 5.4	DB2 Connect 9.1	
	IBM iSeries Access (ODBC) 5.4	
IBM DB2/UDB for NT/Unix/Linux 8.2	DB2 Client 8.2	Yes
	DB2 Universal JDBC Driver (5)	Yes
IBM DB2/UDB for NT/Unix/Linux 9.1	DB2 Client 9.1	Yes

Provider Name	Data Connector	Unicode Support
	DB2 Universal JDBC Driver (5)	Yes
IBM DB2/UDB for NT/Unix/Linux 9.5	DB2 Client 9.5	
	DB2 Universal JDBC Driver (5)	
IBM DB2/UDB for zSeries 8	DB2 Client 8.2 (3)	
IBM DB2/UDB for zSeries 9.1	DB2 Client 9.1	
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 11.1	IBM Informix ODBC SDK 3.50	
	IBM Informix JDBC	
IBM Informix Dynamic Server 11.5	IBM Informix ODBC SDK 3.50	
	IBM Informix JDBC	
IBM Informix XPS 8.40	IBM Informix ODBC SDK 2.81	
IBM Informix XPS 8.50	IBM Informix ODBC SDK 2.90	
Ingres 2006	Ingres ODBC 3.5 (7)	Yes
Microsoft Excel 2007	Microsoft ODBC MDAC 2.8	
Microsoft Access 2003	Microsoft ODBC MDAC 2.8 (2)	
Microsoft Access 2007	Microsoft ODBC MDAC 2.8 (2)	
Microsoft SQL Server 2000 SP4	Microsoft ODBC MDAC 2.8	Yes
	Microsoft OLEDB MDAC 2.8	Yes
	Microsoft SQL SERVER 2000 JDBC	
Microsoft SQL Server 2005 SP1/SP2/SP3	JDBC SQL Server 2005 (2) (5)	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
Microsoft SQL Server 2008	Microsoft JDBC 1.2 for SQL Server 2005 (2) (5)	Yes
	Microsoft ODBC SNAC (native client)	Yes
	Microsoft OLEDB SNAC (native client)	Yes
MySQL AB 5.0	MySQL AB ODBC 5.1.4	

Provider Name	Data Connector	Unicode Support
	MySQL AB JDBC 5.0 (2) (5)	
NCR Teradata V2R6.2	NCR Teradata ODBC 3.06 (TTU 8.2)	Yes
	NCR Teradata JDBC 3.04 (TTU 8.2) (2) (5)	Yes
Teradata V12.0	Teradata ODBC Driver TTU 12.00.00.1	Yes
	Teradata JDBC Driver TTU 12.00.00.1) (2) (5)	Yes
Teradata 13.0	Teradata ODBC (TTU 13.00.00.2)	Yes
	Teradata JDBC (TTU 13.00.00.7) (2) (5)	Yes
Netezza NPS Server 3.0	Netezza ODBC 3.0 (2)	Yes
Netezza NPS Server 3.1	Netezza ODBC 3.1 (2)	Yes
	Netezza JDBC Access (5)	Yes
Netezza NPS Server 4.0	Netezza ODBC 4.0	Yes
	Netezza JDBC Access	Yes
Netezza NPS Server 4.5	Netezza ODBC 4.5	Yes
	Netezza JDBC 4.5	Yes
Oracle 11g R1	Oracle Net Client 11g R1 (6)	Yes
	Oracle JDBC 11g R1 (11.1.0.6) (5) (6)	Yes
Oracle 10g R1 (10.1)	Oracle Net Client 10.1 (6)	Yes
	Oracle JDBC 10g R1 (10.1.0.3) (5) (6)	Yes
Oracle 10g R2 (10.2)	Oracle Net Client 10.2 (6)	Yes
	Oracle JDBC 10g R2 (10.2.0.1) (5) (6)	Yes
Oracle 9.2	Oracle Net Client 9.2	Yes
	Oracle JDBC 9i (9.2.0.5) (5)	Yes
PostgreSQL 8.3	PostgreSQL 8.3 ODBC	Yes
	PostgreSQL 8.3 JDBC	Yes
Progress OpenEdge 10.1B	OpenEdge 10.1B ODBC (2)	
	OpenEdge 10.1B JDBC (2) (5)	

Provider Name	Data Connector	Unicode Support
SFDC Framework	OpenAccess ODBC driver for SFDC	
Sybase Adaptive Server Enterprise 12.5	Sybase Open Client 12.5	
	jConnect JDBC driver 6.05 (2) (5)	
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15	
	jConnect JDBC driver 6.05 (2) (5)	
Sybase Adaptive Server IQ 12.6	Sybase ODBC 9 for Adaptive Server IQ 12.6	
Sybase Adaptive Server IQ 12.7	Sybase ODBC 9 for Adaptive Server IQ 12.7	
Sybase SQL Anywhere (ASA) 10	Sybase ODBC 9 for Adaptive Server IQ 12.7 (2)	
	Sybase SQL Anywhere ODBC Driver 10 (2)	

- (1) OLAP connectivity is NOT supported by Desktop Intelligence. Dashboard and Analytics supports OLAP data sources for Query on Universe on Windows.
- (2) Connectivity not supported for Dashboard and Analytics.
- (3) Connectivity not supported for Performance Manager. Other Dashboard and Analytics products are supported.
- (4) Connectivity not supported for Predictive Analysis.
- (5) Connectivity not supported for Desktop Intelligence.
- (6) Oracle Real Application Cluster (RAC) is supported.
- (7) Supported through Generic ODBC layer.

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
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 7.1.x	Hyperion Essbase API 7.1.x	Yes
Hyperion System 9	Hyperion Essbase client 9.0	
	Hyperion Essbase client 9.2	
	Hyperion Essbase client 9.3	
Microsoft SQL Server Analysis Services 2000 SP4	Microsoft SQL Server 2000 Analysis Services 8.0 OLE DB Provider SP4	
Microsoft SQL Server Analysis Services 2005 SP1	Microsoft SQL Server 2005 Analysis Services 9.0 OLE DB Provider SP1	
Microsoft SQL Server Analysis Services 2005 SP2	Microsoft SQL Server 2005 Analysis Services 9.0 OLE DB Provider SP2	
Microsoft SQL Server Analysis Services 2008	Microsoft SQL Server 2008 Analysis Services 10.0 OLE DB Provider	
RDBMS		
Generic JDBC Data Sources	Java 1.5	Yes
Generic ODBC Data Sources	ODBC	Yes
Generic OLEDB Data Sources	OLEDB	Yes
GreenPlum Database 3.2	PostgreSQL ODBC 8.2	Yes
	PostgreSQL JDBC 8.2	Yes
HP Neoview 2.3.1	HP Neoview ODBC 2.3.1	Yes
HP Neoview 2.4	HP Neoview ODBC Driver 2.4	Yes
IBM DB2/UDB for iSeries 5.3	DB2 Client 8.2	Yes

Provider Name	Data Connector	Unicode Support
	IBM iSeries Access (ODBC) 5.3	Yes
	DB2 JDBC Universal Driver	Yes
	IBM iSeries Access (OLEDB) 5.3	Yes
	DataDirect ODBC 5.3 (3)	Yes
IBM DB2/UDB for iSeries 5.4	DB2 Connect 9.1	
	IBM iSeries Access (ODBC) 5.4	
	DB2 Universal JDBC Driver	
	DataDirect ODBC 5.3 (3)	Yes
IBM DB2/UDB for NT/Unix/Linux 8.2	DB2 Client 8.2	Yes
	DB2 JDBC 8.2	Yes
	DB2 OLEDB 8.2	Yes
	DataDirect ODBC 5.3 (3)	Yes
IBM DB2/UDB for NT/Unix/Linux 9.1 (1)	DB2 Client 9.1	Yes
	DB2 JDBC 9.1	Yes
	DB2 OLEDB 9.1	Yes
	DataDirect ODBC 5.3 (3)	Yes
IBM DB2/UDB for NT/Unix/Linux 9.5	DB2 Client 9.5	
	DB2 Universal JDBC Driver	Yes
	DB2 OLEDB 9.5	Yes
	DataDirect ODBC 5.3 (1)	Yes
IBM DB2/UDB for zSeries 7	DB2 Client 8.1	Yes
	DB2 ODBC Client 8.1	Yes
	DataDirect ODBC 5.3 (3)	Yes
IBM/DB2/UDB for zSeries 8	DB2 Client 8.2	Yes
	DB2 Universal JDBC Driver (5)	Yes
	DataDirect ODBC 5.3 (3)	Yes
IBM DB2/UDB for zSeries 9.1	DB2 Connect 9.1	Yes
IBM Informix Dynamic Server 10.0	IBM Informix ODBC SDK 2.90	Yes
	DataDirect ODBC 5.3 (3)	Yes
IBM Informix Dynamic Server 11.1	IBM Informix ODBC SDK 3.50	Yes
	DataDirect ODBC 5.3 (3)	Yes
	IDS Client 11.1	
IBM Informix Dynamic Server 11.5	IBM Informix ODBC SDK 3.50	Yes
	IDS Client 11.5	

Provider Name	Data Connector	Unicode Support
Ingres 2006	Ingres ODBC 3.5	Yes
Microsoft Access 2003	DAO 3.6	Yes
	Microsoft ODBC MDAC 2.8	Yes
	Microsoft OLEDB MDAC 2.8	Yes
Microsoft Access 2007	2007 Office System Driver: ODBC	Yes
	2007 Office System Driver: OLEDB	Yes
Microsoft SQL Server 2000 SP4	JDBC SQL Server 2000	Yes
	Microsoft ODBC MDAC 2.8	Yes
	Microsoft OLEDB MDAC 2.8	Yes
	DataDirect ODBC 5.3 (3)	Yes
Microsoft SQL Server 2005 SP1/SP2/SP3	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
	DataDirect ODBC 5.3 (3)	Yes
Microsoft SQL Server 2008	JDBC SQL Server 2008	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
MySQL AB 5.0	MySQL AB ODBC 5.1.4	Yes
	MySQL AB JDBC 5.0	Yes
NCR Teradata V2R6.2	NCR Teradata ODBC 3.06 (TTU 8.2)	Yes
	NCR Teradata JDBC 3.04 (TTU 8.2)	
Teradata V12.0	Teradata ODBC TTU 12.00.00.01	Yes
	Teradata JDBC TTU 12.00.00.01	Yes
Teradata 13.0	Teradata ODBC (TTU 13.00.00.2)	Yes
	Teradata JDBC (TTU 13.00.00.7)	Yes
Netezza NPS Server 3.0	Netezza ODBC 3.0	Yes
Netezza NPS Server 3.1	Netezza ODBC 3.1	Yes

Provider Name	Data Connector	Unicode Support
	Netezza JDBC Access	
Netezza NPS Server 4.0	Netezza ODBC 4.01	Yes
	Netezza JDBC Access	
Netezza NPS Server 4.5	Netezza ODBC 4.5	Yes
	Netezza JDBC 4.5	
Oracle 11g R1 (11.1)	JDBC Oracle 11G R1 (4)	Yes
	ODBC Oracle 11G R1 (4)	Yes
	OLEDDB Oracle 11G R1 (4)	Yes
	Oracle Net Client 11G R1 (4)	Yes
	DataDirect ODBC 5.3 (3) (4)	Yes
Oracle 10g R1 (10.1)	JDBC Oracle 10.1 (4)	Yes
	ODBC Oracle 10.1 (4)	Yes
	OLEDDB Oracle 10.1 (4)	Yes
	Oracle Net Client 10.1 (4)	Yes
	DataDirect ODBC 5.3 (3) (4)	Yes
Oracle 10g R2 (10.2)	JDBC Oracle 10.2 (4)	Yes
	ODBC Oracle 10.2 (4)	Yes
	OLEDDB Oracle 10.2 (4)	Yes
	Oracle Net Client 10.2 (4)	Yes
	DataDirect ODBC 5.3 (3) (4)	Yes
Oracle 9.2	JDBC Oracle 9.2	Yes
	ODBC Oracle 9.2	Yes
	OLEDDB Oracle 9.2	Yes
	Oracle Net Client 9.2	Yes
	DataDirect ODBC 5.3 (3)	Yes
Progress OpenEdge 10.0B	OpenEdge SQL 10.0B ODBC	Yes
	OpenEdge SQL 10.0B JDBC	Yes
PostgreSQL 8.2	PostgreSQL 8.2 ODBC	Yes
	PostgreSQL 8.2 JDBC	Yes
Sybase Adaptive Server Enterprise 12.5	JDBC Sybase 12.5	Yes
	ODBC Sybase 12.5	Yes
	Sybase Open Client 12.5	
	DataDirect ODBC 5.3 (3)	Yes
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15	

Provider Name	Data Connector	Unicode Support
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
Microsoft Excel 2000	DAO 3.6	Yes
	ODBC	Yes
	OLEDB	Yes
Microsoft Excel 2003	DAO 3.6	Yes
	ODBC	Yes
	OLEDB	Yes
Microsoft Excel 2007 (2)	ODBC	
	OLEDB	
Microsoft Exchange 2000	Crystal Reports Outlook/Exchange driver	
Microsoft Exchange 2003	Crystal Reports Outlook/Exchange driver	Yes
Field Definitions	N/A	Yes
Java Bean	JDK 1.5	Yes
Salesforce.com	Crystal Reports Salesforce.com driver	
XML	JDK 1.5	Yes

- (1) IBM DB2 v9.1 requires a minimum of Windows 2003 SP1 to be the Operating System for Windows deployments.
- (2) DAO technology cannot be used to access the Microsoft Office 2007 file formats: Microsoft Access 2007 .accdb, Microsoft Excel 2007 .xlsx (XML) and .xlsb (Binary). These file formats are supported via ODBC and OLEDB.
- (3) DataDirect drivers for Crystal Reports are available from Business Objects. See the Crystal Reports Start Page for download details.
- (4) Oracle Real Application Cluster (RAC) is supported.
- (5) Supported for all operating systems listed in the Supported Operating Systems section, except Linux (Red Hat/SUSE).

Crystal Reports Reporting Data Sources Supported for Scheduling Only

Provider Name	Data Connector	Unicode Support
RDBMS		
IBM Informix Dynamic Server 10.0	IDS Client 10.0	
Technology		
ACT 6	ACT 6	
Borland Database Engine 5.1	BDE 5.1	
Microsoft Exchange 5.5	Crystal Reports Outlook/Exchange driver	
File System	N/A	Yes
Lotus Notes 6	ODBC Lotus Notes 6	Yes
Lotus Notes 7	ODBC Lotus Notes 7	Yes
Microsoft IIS Log	N/A	
Microsoft Outlook 2000	Microsoft Office 2000	
Microsoft Outlook 2003	Microsoft Office 2003	
Microsoft Outlook 2007	Microsoft Office 2007	
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 10	ODBC Pervasive 10	Yes
	OLEDB Pervasive 10	Yes
	JDBC Pervasive 10	Yes
	Pervasive SQL Client 10	Yes
Salesforce.com	Crystal Reports Salesforce.com driver	
Text	DataDirect ODBC 5.3	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.

Generic ODBC, OLEDB and JDBC: Limitation

Note: OLEDB and JDBC are supported for Crystal Reports only.

Note: ODBC is 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
EPM MDX Connector	BusinessObjects EPM Profitability MDX Connector
Hyperion Essbase Server 7.1.x	Hyperion Essbase API 7.1.x
Hyperion System 9	Hyperion Essbase client 9.0
	Hyperion Essbase client 9.2
	Hyperion Essbase client 9.3
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
MS SQL Server Analysis Services 2005 SP2	Microsoft SQL Server 2005 Analysis Services 9.0 OLE DB Provider SP2
MS SQL Server Analysis Services 2008	Microsoft SQL Server 2008 Analysis Services 10.0 OLE DB Provider

Application Connectivity for Data Services 3.2 SP2

Data Source	Version	Client	Source	Target
JD Edwards ⁽¹⁾	B7.33	MS SQL Server Client, DB2 iSeries, or Oracle Net Client	x	x
JD Edwards World ⁽¹⁾	A7.1		x	x
Oracle E-Business Suite	11i	Oracle Net Client	x	x
	Release 12	Oracle Net Client	x	x
PeopleTools ⁽²⁾ to connect to PeopleSoft Applications	8.40 or higher compatible versions	Oracle Net Client	x	x
Salesforce.com	16.0	AppExchange API for Enterprise version 16.0	x	x
Siebel	7.5.2	MS SQL Server Client, DB2 Connect Enterprise or Personal edition, or Oracle Net Client ⁽⁶⁾	x	x
	7.7	MS SQL Server Client, DB2 Connect Enterprise or Personal edition, or Oracle Net Client ⁽⁶⁾	x	x
	8.0	MS SQL Server Client, DB2 Connect Enterprise or Personal edition, or Oracle Net Client ⁽⁶⁾		

(1) SAP BusinessObjects Data Services with JD Edwards Applications

If the Data Services server is on Windows, JDE One World is only supported with source database Microsoft SQL Server, Oracle, and DB2 on AS/400.

If the Data Services server is on Windows, and JDE World is using DB2 on AS/400, connection must be made through iSeries Access.

(2) SAP BusinessObjects Data Services with PeopleTools

PeopleSoft 8 support is implemented for Oracle only. The version of the Oracle client connecting to the underlying PeopleSoft database must be supported by Data Services.

PeopleTools versions 8.40 and 8.49 were used in certification testing.

Certification for PeopleSoft is based on the version of PeopleTools used to connect to the PeopleSoft Applications. Please check with the vendor for PeopleSoft application versions which are compatible with the listed versions of PeopleTools.

(3) SAP BusinessObjects Data Services with SAP NetWeaver Business Warehouse

Loading SAP NetWeaver Business Warehouse (BW) 7.0 is supported only for SAP BW 3.x data sources which can exist in BW 7.0 in emulation mode. Support for native SAP NetWeaver BW 7.0 objects is not provided. Please check for updates in the Supported Platform documentation.

Extracting from SAP BW through Open Hub is only supported for SAP BW 7.01 Patch Level 003 and above, not for older versions.

The RFC SDK and JCO libraries needed for SAP BW loading and extraction are now bundled with the Data Services install. Please refer to the Installation Guide for details on settings for the JCO library to be included in the system path.

(4) SAP BusinessObjects Data Services with SAP NetWeaver ERP or R/3

When using the “Direct Download” transport method or using the “Upload generated (ABAP) programs” functionality in an SAP applications datastore, the full SAP GUI library must be installed. If not accessing this functionality, the libraries required for connectivity, RFC SDK is shipped and installed with Data Services.

(5) SAP GUI Client

SAP GUI 7.10 is the recommended version of SAP GUI. However since SAP GUI is backwards compatible, multiple versions are supported. Please refer to SAP Note 30460, which provides detailed compatibility information.

(6) SAP BusinessObjects Data Services with Siebel

Siebel support is implemented for Microsoft SQL Server, DB2, and Oracle only. The version of the database client connecting to the underlying Siebel database must be supported by Data Services.

Database Connectivity Supported by Data Services 3.2 SP2

Data Source ⁽¹⁾	Version	Client	Repo	Source	Target
ODBC to Generic Data Sources ⁽²⁾	n/a	DataDirect ODBC Driver V5.2		x	x
	n/a	DataDirect ODBC Driver V5.3		x	x
	n/a	SQL Anywhere 9.0.1		x	x
HP NeoView	2.3	HP Neoview ODBC 2.3		x	x
	2.4	HP Neoview ODBC 2.4		x	x
IBM DB2/UDB for iSeries	5.2	IBM iSeries Access (ODBC) 5.2		x	x
	5.2	DB2 Connect Enterprise Edition 8.2		x	x
	5.3	IBM iSeries Access (ODBC) 5.3		x	x
	5.3	DB2 Connect Enterprise Edition 8.2		x	x
	5.4	IBM iSeries Access (ODBC) 5.4		x	x
	5.4	DB2 Connect Enterprise Edition 9.5		x	x
	6.1	IBM iSeries Access (ODBC) 6.1		x	x
	6.1	DB2 Connect Enterprise Edition 9.5		x	x
IBM DB2/UDB for Windows/UNIX/Linux	8.2	DB2 Connect Enterprise Edition 8.2	x	x	x
	8.2	DB2 Connect Personal Edition 8.2	x	x	x
		DataDirect ODBC Driver V5.3		x	x

	9.1	DB2 Connect Enterprise Edition 9.1	x	x	x
	9.1	DB2 Connect Personal Edition 9.1	x	x	x
	9.5	DB2 Connect Personal Edition 9.5	x	x	x
	9.5	DB2 Connect Enterprise Edition 9.5	x	x	x
IBM DB2/UDB for z/ OS	8.1	DB2 Connect Enterprise Edition 9.5		x	x
	9.1	DB2 Connect Enterprise Edition 9.5		x	x
	8.1	DataDirect ODBC Driver V5.3		x	x
Informix IDS	7.3.1	Informix Client 2.90		x	x
	9.4	Informix Client 2.90		x	x
	10	Informix Client 2.90		x	x
	11	Informix Client 3.50		x	x
Microsoft SQL Server	2000 SP4	Microsoft ODBC MDAC 2.8 SP1 or later	x	x	x
	2005	Microsoft ODBC MDAC 2.8 SP1 or later	x	x	x
	2005 SP1	Microsoft ODBC MDAC 2.8 SP1 or later	x	x	x
	2005 SP2	Microsoft ODBC MDAC 2.8 SP1 or later	x	x	x
	2005 SP3	Microsoft ODBC MDAC 2.8 SP1 or later	x	x	x
	2008	SQL Server 2008 Native Client (ODBC)	x	x	x
MySQL	4.1	MySQL ODBC Connector 3.51.10		x	x
	5.0	MySQL ODBC Connector 3.51.23	x	x	x
	5.0	MySQL ODBC Connector 3.51.24	x	x	x
	5.0	MySQL ODBC Connector 3.51.25	x	x	x
Netezza ⁽³⁾	NPS 3.1.4	Netezza ODBC driver 3.1.4		x	x
	NPS 4.0	Netezza ODBC driver 4.0		x	x
	NPS 4.5	Netezza ODBC driver 4.5		x	x
	NPS 4.6	Netezza ODBC driver 4.6		x	x
Oracle	9.2	Oracle Net Client 9.2	x	x	x
	10g R1 (10.1)	Oracle Net Client 10.1	x	x	x
	10g R2 (10.2)	Oracle Net Client 10.2	x	x	x
	11g	Oracle Net Client 11	x	x	x
Sybase Adaptive Server Enterprise ⁽⁴⁾	12.5	Sybase Open Client 12.5	x	x	x
	15.0	Sybase Open Client 15.0	x	x	x
Sybase Adaptive Server IQ ⁽⁵⁾	12.6	Sybase ODBC 9 for Adaptive Server IQ 12.6		x	x
	12.7	Sybase ODBC 9 for Adaptive Server IQ 12.7		x	x

Teradata ⁽⁶⁾	V2R6	Teradata ODBC 3.04		x	x
	V2R6.1	Teradata ODBC 3.05		x	x
	V2R6.2	Teradata ODBC 3.05		x	x
	12.0	Teradata ODBC 12.0		x	x

- 1) Rapid Marts are only supported when the Data Services 3.2 SP2 repository is:
 - DB2
 - Oracle
 - SQL Server
- 2) Third-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.
- 3) Netezza connectivity is not supported to Windows 64-bit servers due to limitations in the Netezza client.
- 4) Sybase Adaptive Server Enterprise is not supported as a repository for the cleansing packages.
- 5) Sybase IQ version 12.6 requires ESD 4.
- 6) The following apply to Data Services 3.2 SP2 support of Teradata as a source and/or target:

The versions of Teradata TTU client supported include:

Teradata server version	Client version	ODBC driver
V2R6	TTU 8.0	03.04.00
V2R6.1	TTU 8.1	03.05.00
V2R6.2	TTU 8.2	03.06.00
12.0	TTU 12.0	12.00

Teradata support requires the following TTU patches:

On Windows:

- cliv2.04.08.00.01.exe
- tbld5000.05.00.00.01.exe
- psel5000.05.00.00.01.exe
- pdtc5000.05.00.00.01.exe
- npaxsmo.01.03.01.00.exe
- npaxsmo.01.03.00.02.exe
- npaxsmo.01.03.00.01.exe

Database Middleware Support

Interoperability combinations between 32-bit / 64-bit releases of database client / server will be supported, so long as vendor compatibility between client middleware and server is guaranteed.

Technology Connectivity

Data Source	Version	Client	Source	Target
Data Federator XI R2	11.6.2	N/A	x	
	11.7	N/A	x	
Data Federator XI 3.0	12.0	Open Access ODBC to JDBC Bridge	x	
	12.0 SP1	Open Access ODBC to JDBC Bridge	x	
	12.0 SP2	Open Access ODBC to JDBC Bridge	x	
HTTP/HTTPS	1.0	N/A	x	x
	1.1	N/A	x	x
JMS	J2EE 1.0 compatible	N/A	x	x
SOAP ⁽¹⁾	1.1	N/A	x	x
WSDL ⁽¹⁾	1.1	N/A	x	x

(1) Data Services 3.2 SP2 uses Apache Axis version 1.4 for its Web Services support. Axis version 1.4 provides support for WSDL version 1.1 and SOAP version 1.1 with the exception of the Axis servlet engine.

Message Client Library Support

Message Client Library Support		Compiler Version
C++ API	Windows (32-bit)	Visual Studio 2003 version 7.1
	Linux (32-bit)	g++ : gcc version 3.4.4 20050721 (Red Hat 3.4.4-2)
	Linux (64-bit)	g++: gcc version 4.1.1 20070105 (Red Hat 4.1.1-52)
JAVA API	JDK 1.5.0.xx	JAVA version 5.0

Files Connectivity

Data Source	Version	Client	Source	Target
Text files (delimited and fixed width)	N/A	N/A	x	x
COBOL	ANSI 85	N/A	x	
Excel	97, 2000, XP, 2003	N/A	x	
XML ⁽¹⁾	1.0	N/A	x	x

(1) Data Services 3.2 SP2 supports XML Schema version 1.0 as defined by W3c.org.

Support for PeopleSoft Enterprise

BusinessObjects XI Integration for PeopleSoft Enterprise must be installed in order to use a PeopleSoft Enterprise as a data source. For the latest information on platforms required by BusinessObjects XI Integration for PeopleSoft Enterprise, please visit the [support area](#) of the website.

Support for JD Edwards EnterpriseOne

BusinessObjects XI Integration for JD Edwards EnterpriseOne must be installed in order to use a JD Edwards EnterpriseOne as a data source. For the latest information on platforms required by BusinessObjects XI Integration for JD Edwards EnterpriseOne, please visit the [support area](#) of the website.

Support for Oracle E-Business Suite

BusinessObjects XI Integration for Oracle E-Business Suite must be installed in order to use Oracle E-Business Suite as a data source. For the latest information on platforms required by BusinessObjects XI Integration for Oracle E-Business Suite, please visit the [support area](#) of the website.

Support for Siebel

BusinessObjects XI Integration for Siebel must be installed in order to use Siebel as a data source. For the latest information on platforms required by BusinessObjects XI Integration for Siebel, please visit the [support area](#) of the website.

Support for Polestar XI 3.1

For the latest information on platforms required by BusinessObjects Polestar XI 3.1 please visit the [support area](#) of the website.

Reverse Proxy Servers

- Apache HTTP Server 2.2
- WebSEAL 6.0 (from IBM Tivoli Access Manager)
- Microsoft Internet Security and Acceleration (ISA) Server 2006

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
- Microsoft Active Directory Application Mode 2003 (ADAM)
- Microsoft Active Directory Application Mode 2003 (ADAM) SP1
- Microsoft Active Directory Application Mode 2008 (ADAM)
- Novell eDirectory 8.7.3
- Novell eDirectory 8.8
- Oracle Internet Directory 10gR3 (10.1.3)
- Sun Java System Directory Server 5.2
- Sun Java System Directory Server Enterprise 6.0

Active Directory

- Microsoft Active Directory 2000
- Microsoft Active Directory 2003
- Microsoft Active Directory 2008 (including LDS Support)

Access Management

- eTrust (Netegrity) Siteminder 6.0
- eTrust (Computer Associates) Siteminder 12.0

Office

- Microsoft Office 2007 SP1
- Microsoft Office 2003 SP3
- Microsoft Office XP SP3
- Microsoft Office XP SP2

Admin Platform

- Citrix Presentation Server 4
- Windows Terminal Services (3)

Product/Language Support on Citrix

- Citrix is supported for SAP BusinessObjects desktop products only.
- Citrix is not supported for Chinese and Korean.
- Windows Terminal Services is supported on the versions of Windows Server listed in the Supported Operating Systems section above.

Reader

- Acrobat Reader 7.x
- Acrobat Reader 8.1.2

- Acrobat Reader 9.0

.NET Framework

- .NET 1.1
- .NET 2.0
- **.NET 3.0**
- **.NET 3.5**

Simple Network Management Protocol (1)

- SNMP version 1
- SNMP version 2c
- SNMP version 3 (except encryption)

(1) Supported by Data Services 3.2 SP2

File Transfer Protocol (FTP) Requirements

The following are the guidelines that must be supported by any FTP Server being used in conjunction with SAP BusinessObjects Edge BI 3.1, version with data integration 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 SAP BusinessObjects Edge BI 3.1, version with data integration.)
- FTP server needs to support specifying file names starting with a “~” character (if destination file names are generated randomly by SAP BusinessObjects Edge BI 3.1, version with data integration.)

Related Content

For more information and resources, refer to the [product documentation and support area](#) of the web site.

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