

BusinessObjects™ Data Services XI 3.1 SP1 for Solaris

Supported Platforms

Overview

This document lists specific platforms and configurations for the BusinessObjects Data Services XI 3.1 SP1 for Solaris.

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Introduction

This document contains information specific to platforms and configurations for the BusinessObjects Data Services XI 3.1 SP1 release. For the latest information on updates to this document, please visit the support area of the web site at: service.sap.com/bosap-support.

Products

This information is specific to Data Services version 12.1.1.

Languages

- English

Supported Operating Systems

Desktop Products

- Windows XP SP2 Professional
- 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 SP2 Datacenter Edition
- Windows Server 2003 SP2 Enterprise Edition
- Windows Server 2003 SP2 Standard Edition
- Windows Server 2003 SP2 Web Edition
- Windows Server 2003 R2 Datacenter Edition
- Windows Server 2003 R2 Enterprise Edition
- Windows Server 2003 R2 Standard Edition
- Windows Server 2003 R2 Web Edition
- Windows Server 2003 (x64 Edition) SP2

BusinessObjects and Microsoft Critical Patches

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

ODBC DSN Support

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

Server Products

- Solaris SPARC 9 64-bit
- Solaris SPARC 10 64-bit

Patch Level for Solaris:

Critical patches are required for successful installation of Data Services. Non-critical patches are recommended, but not required.

Platform /OS	Architecture	Patch	Requirement
Solaris 9	SPARC 64-bit	111711-11 (C++ run-time)	Critical
Solaris 9	SPARC 64-bit	111722-05 (libm patch)	Critical
Solaris 9	SPARC 64-bit	112233-11 (kernel patch)	Critical
Solaris 9	SPARC 64-bit	112874-16 (libc)	Critical
Solaris 9	SPARC 64-bit	112963-17 (linker patch)	Critical
Solaris 9	SPARC 64-bit	115754-02 (zlib patch)	Critical
Solaris 9	SPARC 64-bit	SUNWbash (GNU Bourne-Again shell (bash))	Critical
Solaris 9	SPARC 64-bit	SUNWbcp (SunOS 4.x Binary Compatibility)	Critical
Solaris 9	SPARC 64-bit	SUNWeu8os (American English/UTF-8 L10N For OS Environment User Files)	Non-Critical
Solaris 9	SPARC 64-bit	SUNWeuluf (UTF-8 L10N For Language Environment User Files)	Non-Critical
Solaris 9	SPARC 64-bit	SUNWgzip (The GNU Zip (gzip) compression utility)	Critical

Solaris 9	SPARC 64-bit	SUNWlibC (Sun Workshop Compilers Bundled libC)	Critical
Solaris 9	SPARC 64-bit	SUNWmfrun (Motif RunTime Kit)	Non-Critical
Solaris 9	SPARC 64-bit	SUNWscpu (Source compatibility)	Critical
Solaris 9	SPARC 64-bit	SUNWuiu8 (Iconv modules for UTF-8 Locale)	Critical
Solaris 9	SPARC 64-bit	SUNWulcf (UTF-8 Locale Environment Common Files)	Critical
Solaris 9	SPARC 64-bit	SUNWxcu4 (XCU4 Utilities)	Critical
Solaris 9	SPARC 64-bit	SUNWxwfnt (W Window System required fonts)	Non-Critical
Solaris 9	SPARC 64-bit	SUNWxwice (X Window System Inter-Client Exchange (ICE) Components)	Non-Critical
Solaris 9	SPARC 64-bit	SUNWxwplt (X Window System platform software)	Non-Critical
Solaris 9	SPARC 64-bit	SUNWzlib (The Zip compression library)	Critical
Solaris (all)	SPARC 64-bit	X Window, OpenGL libraries	Critical ⁽¹⁾

(1) X Window

X Window is required for loading the Data Services license manager. Missing libraries may stop the Data Services installation with an invalid key error. To find the missing libraries, run the following command from the CD root:

```
ldd setup/utilities/license/libfl_qt-mt333R2_32.so.3
```

If you have missing libraries on your system, the dependent libraries can be found in operating system base product or patches. As an example on Solaris, the respective patches are:

- Solaris 9:
 - X Window: [SUNWxwplx](#)

Minimum Hardware Requirements for BusinessObjects Data Services XI 3.1 SP1

Windows support is limited strictly to AMD/Intel chipsets.

BusinessObjects Data Services software for Windows is not warranted or supported for use on other chipsets.

- BusinessObjects Data Services is supported running on 32-bit versions of Windows running on x86 and x64 CPUs made by AMD and Intel.

- BusinessObjects Data Services 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.

BusinessObjects Data Services on Solaris is compiled as 64-bit native binary and is designed to use 64-bit data source middleware connectivity. Unless otherwise specified in the Supported Platforms document, 32-bit middleware connectivity is not supported. Conversely, native 32-bit offerings of BusinessObjects Data Services products are designed to exclusively use 32-bit data source middleware connectivity.

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

- SPARC processor (dual processor with minimum 1 GHz recommended) with a minimum of 1GB RAM (2 GB recommended) RAM and 1.6 GB free disk space
- 2 GB virtual memory
- Recommended minimum pageable cache directory size: 2GB

Data Services Access Server

- SPARC 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

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

Data Services Address Server

- SPARC processor (minimum dual core 2GHz) with a minimum of 1GB (2GB recommended) free RAM

- 1 GB free disk space (plus additional disk space for referential data, 2.71 to 9.34 GB)
- Address Server and referential data should be installed on a local disk drive (not a network drive) for best performance

Disk Space Requirements for Referential Data

Referential Data	Drive Space	Comments
U.S. Directory	810 MB	
U.S. Z4 Change	209 MB	
U.S. eLOT	494 MB	
U.S. DPV	660 MB	If caching of DPV and LACSLink directories on UNIX platforms, it is recommended that "Data Segment Size" limits are set above 1 GB, especially with the use of higher DOP values. Users can run "ulimit -d" to see what the "Data Segment Size" value is currently set to, "ulimit -d <value>" to set it to a new value and "ulimit -d unlimited" to allow the value to grow.
U.S. LACSLink	473 MB	
U.S. Centroid Geo (2006-2007) - TeleAtlas	708 MB	
U.S. Address Geo - Teleatlas	4.4 GB	
U.S. Centroid Geo - Navteq	3.2 GB	
U.S. Address Geo - Navteq	620 MB	
Canada Address Directory	42.6 MB	
Australia Address Directory	203 MB	
Japan (Native Script) Address Directory	22 MB	This is the directory for the addressing engine which handles native Japanese writing systems.
Other International (All World) - Minimum	2.71 GB	This is minimum directory requirements for the Global Address Cleanse transform (ga_country.dir, ga_loc12_gen.dir, ga_loc12_gen_nogit.dir, ga_loc34_gen.dir, ga_region_gen.dir).

Other International (All World) - Maximum	9.37 GB	There are many other countries and all are purchased individually. This is the space if all are purchased.
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Repository Space Requirements for Data Cleansing Packages

Language	Pre-Install Package (MB)	Oracle Repository Space (MB)	SQL Server Repository Space (MB)	DB2 Repository Space (MB)	MySQL Repository Space (MB)
Arabic	28	45	145	30	45
Benelux	250	280	213	210	285
English	355	590	2020	450	600
Danish	45	55	38	35	55
Dutch	97	110	325	75	110
French	80	85	250	60	80
German	160	370	313	275	360
Italian	65	75	235	55	75
Portuguese	75	85	285	60	80
Spanish	160	185	600	130	180
Swedish	25	30	25	30	30
Swiss	410	380	445	N/A*	455

*: the Swiss Cleansing Package is not supported on DB2. See Known Issue ADAPT01136144.

Temporary Disk Space for Data Cleansing Package Installation⁽¹⁾

Language	Oracle (MB)	SQL Server (MB)	DB2 (MB)	MySQL (MB)
Arabic	75	28	478	26
Benelux	489	360	2700	173
English	1100	420	6920	390
Danish	83	61	500	29
Dutch	181	69	972	64
French	143	54	781	50
German	695	500	4160	421
Italian	141	52	895	390
Portuguese	125	48	771	44
Spanish	316	120	1920	111
Swedish	45	35	265	20

Swiss	933	675	5440	326
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- (1) This space is only needed temporarily during installation within the %LINK_DIR%/DataQuality/datacleanse/ directory. They will be deleted at the end of the installation process.

Supported Connectivity

Supported Application Servers

Application Servers	JDK
Tomcat 5.5	Sun 1.5.0_xx
Weblogic 9.2 MP2	Sun 1.5.0_xx
	JRockit 5.0+
Weblogic 10	Sun 1.5.0_xx
	JRockit 5.0+
WebSphere Application Server 6.1.0.7	Sun 1.5.0_xx

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 Browsers

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

Application Connectivity

Data Source	Version	Client	Source	Target
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Oracle E-Business Suite	11i	N/A	x	x
	Release 12	N/A	x	x
PeopleTools ⁽²⁾	8.0	N/A	x	x
	8.1	N/A	x	x
	8.4	N/A	x	x
Salesforce.com	12.0	AppExchange API for Enterprise version 12.0	x	x
SAP BW	3.1c	SAP GUI Client 4.0a	x	x
	3.5	SAP GUI Client 4.0a	x	x
SAP BI ⁽³⁾	7.0	SAP GUI Client 6.40	x	x
SAP R/3 via ABAP	3.1i	SAP GUI Client 4.0a	x	
	4.6	SAP GUI Client 4.0a	x	
	4.7	SAP GUI Client 4.0a	x	
SAP ERP via ABAP	ECC 5.0	SAP GUI Client 6.40	x	
	ECC 6.0	SAP GUI Client 6.40	x	
SAP R/3 via BAPI	3.1i	SAP GUI Client 4.0a	x	x
	4.6	SAP GUI Client 4.0a	x	x
	4.7	SAP GUI Client 4.0a	x	x
SAP ERP via BAPI	ECC 5.0	SAP GUI Client 6.40	x	x
	ECC 6.0	SAP GUI Client 6.40	x	x
SAP R/3 via IDOC	3.1i	SAP GUI Client 4.0a	x	x
	4.6	SAP GUI Client 4.0a	x	x
	4.7	SAP GUI Client 4.0a	x	x
SAP ERP via IDOC	ECC 5.0	SAP GUI Client 6.40	x	x
	ECC 6.0	SAP GUI Client 6.40	x	x
Siebel ⁽⁴⁾	7.5.2	N/A	x	x
	7.7	N/A	x	x
	8.0	N/A	x	x

(1) 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) Data Services with 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.

(3) Data Services with SAP BI

SAP BI 7.0 is supported only when BI 7.0 is configured in BW 3.5 emulation mode. Support for native BI 7.0 objects is not provided. Please check for updates in the Supported Platform documentation.

(4) 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

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	2.2	HP Neoview ODBC 2.2		x	x
	2.3	HP Neoview ODBC 2.3		x	x
IBM DB2/UDB for iSeries	5.2	DB2 Connect Enterprise Edition 8.2		x	x
	5.3	DB2 Connect Enterprise Edition 8.2		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
	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 zSeries	7.1.1	DB2 Connect Enterprise Edition 8.2		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
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
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 10.1	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

- (1) Rapid Marts are only supported when the Data Services repository is:
 - a. DB2
 - b. Oracle
 - c. SQL Server
- (2) 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.
- (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.

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.

Mainframe Connectivity

Data Source	Version	Client	Source	Target
Attunity	5.1	Attunity Connect 5.1	x	x

Technology Connectivity

Data Source	Version	Client	Source	Target
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 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)
	AIX (64-bit)	xlC_r : VisualAge C++ Professional / C for AIX Compiler, Version 6
	Solaris (64-bit)	CC: Sun C++ 5.5 Patch 113817-01 2003/05/18
	HP-Itanium (64-bit)	aCC: HP aC++/ANSI C B3910B A.05.57 [June 23 2004]
JAVA API	JDK 1.5.0.xx	JAVA version 5.0

Files Connectivity

Data Source	Version	Client	Source	Target
Text files (delimited)	N/A	N/A	x	x

and fixed width)				
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 supports XML Schema version 1.0 as defined by W3c.org.

Other Tools

Admin Platform

- Citrix Presentation Server 4

Simple Network Management Protocol

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

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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