

SAP BusinessObjects BI 4.0 SP05+ Supported Platforms (PAM)

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This Supported Platforms (PAM) document is applicable to BI 4.0 SP05 and subsequent SPs of BI 4.0, including BI 4.0 SP06 through BI 4.0 SP11. For platforms supported with BI 4.1, please refer to the BI 4.1 Supported Platform (PAM) document.

For more information regarding applicability and how to use this document, [please refer to Page 2](#).

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SAP BusinessObjects

BI 4.0 SP05+

Supported Platforms (PAM)



SUPPORTED PLATFORMS

3. [Server Products and Operating Systems](#)
4. [Desktop Clients and Operating Systems](#)
5. [Mobile Clients supported with this release](#)
6. [Language Support by Products](#)
7. [Browser Support by Operating Systems](#)
8. [Application Server Support by Operating Systems \(1 of 2\)](#)
9. [Application Server Support by Operating Systems \(2 of 2\)](#)
10. [IIS Support](#)
11. [Portal Server Support by Operating Systems](#)
12. [CMS + Audit Repository Support by Operating Systems](#)
13. [Directory Server \(LDAP\) Support by Operating Systems](#)
14. [Other Technology Support by Operating Systems \(1 of 2\)](#)
15. [Other Technology Support by Operating Systems \(2 of 2\)](#)
16. [Virtualization Technology Support](#)
17. [SAP BusinessObjects Analysis, edition for OLAP Data Access](#)
18. [SAP BW Minimum Version Per Product – Overview](#)
19. [SAP HANA Support Per Product – Overview](#)
20. [Data Access Support by Operating Systems](#)
21. [Data Services and Information Steward](#)

APPENDIX

- Minimum Hardware + Operating System Patch Requirements
- Supported Locales

This document is also applicable to Edge BI 4.0 and Crystal Server 2011.

For Edge BI 4.0 and Crystal Server 2011:

- Only Windows and Linux operating systems are supported.

For Crystal Server 2011:

- The following components are not supported with Crystal Server 2011: Web Intelligence, Analysis, edition for OLAP, SAP BW integration.

How to read the tables in this document

A checkmark means supported with SP05 and above

SPX+ means supported with BI 4.0 SPX and above

“-” means not supported



SPX+

-

SAP BusinessObjects BI 4.0 SP05+ PAM

Server Products and Operating Systems



	Windows (*1)						Linux				AIX			Solaris
	Server 2003 x64	Server 2003 R2 x64	Server 2008 x64	Server 2008 R2 x64	Windows Server 2012	Windows Server 2012 R2	Suse SLES 10 x86_64	Suse SLES 11 x86_64	Red Hat EL 5 x86_64	Red Hat EL 6 x86_64	AIX 5.3 Power	AIX 6.1 Power	AIX 7.1 Power	Solaris 10 SPARC
64-bit BusinessObjects BI Server Products	SP2	SP2	SP2	SP1			SP2 (*2)	(*2)	Upd. 2 (*2)	Upd. 2 (*2)	TL 9 SP3	TL5	TL1 SP1	
SAP BusinessObjects Business Intelligence platform	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	✓	✓	✓	✓	✓
SAP BusinessObjects Analysis, edition for OLAP	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	✓	✓	✓	✓	✓
SAP BusinessObjects Explorer	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	✓	✓	✓	✓	✓
SAP BusinessObjects Web Intelligence	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	✓	✓	✓	✓	✓
SAP Crystal Reports for Enterprise	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	✓	✓	✓	✓	✓
SAP Crystal Reports 2011 (*3)	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	-	✓	✓	✓	✓
SAP BusinessObjects Dashboards	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	✓	✓	✓	✓	✓
Mobile Server (*4)	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	✓	SP06+	SP06+	SP06+	-

- BusinessObjects BI server components only support 64-bit operating systems, this is not a complete list of platform/connectivity services
- (*1) Data Center Edition, Enterprise Edition, Standard Edition, Web Edition
- (*2) Minor versions of RHEL 5/6 and SPs of SLES 10/11 above the minimum supported versions listed on this slide are supported by reference
- (*3) CR 2011 report processing and viewing functionality is not available on Red Hat Enterprise Linux 6 in BI 4.0
- (*4) Operating systems support applies to both Mobile server (<MobileBIservice.war>) and Mobile OTA (<MobileOTA.war>) required for over-the-air download of the Mobile client onto the mobile devices

SAP BusinessObjects BI 4.0 SP05+ PAM

Desktop Clients and Operating Systems



	Windows Server						Windows Desktop (*2)						Mac
	Server 2003	Server 2003 R2	Server 2008	Server 2008 R2	Windows Server 2012	Windows Server 2012 R2	Windows XP Professional (*2)	Windows Vista	Windows 7	Windows 8	Windows 8.1	Windows 10	Mac OS X 10.8
32-bit BusinessObjects BI Desktop Products	SP2	SP2	SP2	SP1			SP3	SP2	SP1				
SAP BusinessObjects BI Client Tools	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	SP06+	SP09+	SP12	-
SAP BusinessObjects Live Office	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	SP06+	SP09+	SP12	-
SAP BusinessObjects Web Intelligence	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	SP06+	SP09+	SP12	-
SAP Crystal Reports for Enterprise	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	SP06+	SP09+	SP12	-
SAP Crystal Reports 2011	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	SP06+	SP09+	SP12	-
SAP Crystal Reports Viewer 2011	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	SP06+	SP09+	SP12	✓
SAP Crystal Presentation Design	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	SP06+	SP09+	SP12	-
SAP BusinessObjects Dashboards(*1)	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	SP06+	SP09+	SP12	-

- BusinessObjects BI desktop components are 32-bit and can be used in 64-bit operating systems
- Touch screen interactions are not supported
- (*1) Important note about viewing Dashboards in BI Widgets under Windows 8.x: <http://service.sap.com/sap/support/notes/1895395>
- (*2) Support for Windows XP is deprecated as of April 8, 2014, when Microsoft ended support for Windows XP

SAP BusinessObjects BI 4.0 SP05+ PAM

Mobile Clients supported with this release



Please refer to the [SAP BusinessObjects Mobile Clients Supported Platforms \(PAM\)](#).

SAP BusinessObjects BI 4.0 SP05+ PAM

Language Support by Products



	English	French	German	Japanese	Spanish	S Chinese	Italian	Dutch	Russian	Korean	T Chinese (*1)	Portuguese	Swedish	Polish	Danish	Norwegian	Finnish	Thai	Czech	Hungarian	Slovakian	Turkish	Romanian
BusinessObjects Enterprise Products																							
BusinessObjects BI Server Products	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BusinessObjects BI Desktop Products	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

- (*1) Traditional Chinese is not supported by Platform Search

SAP BusinessObjects BI 4.0 SP05+ PAM

Browser Support by Operating System



Web Browser	Java	Windows Server						Windows Desktop (*11)						Mac
		Server 2003 x64	Server 2003 R2 x64	Server 2008 x64	Server 2008 R2 x64	Server 2012	Server 2012 R2	Windows XP (*11)	Windows Vista	Windows 7	Windows 8	Windows 8.1	Windows 10 (*14)	Mac OS X 10.8
Microsoft Internet Explorer 7 ^(*15)	Oracle JRE 6 ^(*9) , 7 ^(*6)	✓	✓	✓	-	-	-	✓	✓	-	-	-	-	-
Microsoft Internet Explorer 8 ^(*1) ^(*15)	Oracle JRE 6 ^(*9) , 7 ^(*6) , 8 ^(*12)	✓	✓	✓	✓	-	-	✓	✓	✓	-	-	-	-
Microsoft Internet Explorer 9 ^(*1) ^(*15)	Oracle JRE 6 ^(*9) , 7 ^(*6) , 8 ^(*12)	-	-	✓	✓	-	-	-	✓	✓	-	-	-	-
Microsoft Internet Explorer 10 ^(*7) ^(*15)	Oracle JRE 6 ^(*9) , 7 ^(*6) , 8 ^(*12)	-	-	-	SP06+	SP07+	-	-	-	SP06+	SP06+	-	-	-
Microsoft Internet Explorer 11 ^(*10) ^(*15)	Oracle JRE 7, 8 ^(*12)	-	-	-	SP09+	-	SP09+	-	-	SP09+	-	SP09+	SP12	-
Mozilla Firefox ESR 24.0.x ^(*2)	Oracle JRE 6 ^(*9) , 7 ^(*6) , 8 ^(*12)	SP08+	SP08+	SP08+	SP08+	SP08+	SP09+	SP08+	SP08+	SP08+	SP08+	SP09+	-	-
Mozilla Firefox ESR 31.0.x ^(*2)	Oracle JRE 6 ^(*9) , 7 ^(*6) , 8 ^(*12)	SP11+	SP11+	SP11+	SP11+	SP11+	SP11+	SP11+	SP11+	SP11+	SP11+	SP11+	-	-
Google Chrome ^(*3) ^(*4) ⁽¹³⁾	Oracle JRE 6 ^(*9) , 7 ^(*6) , 8 ^(*12)	✓	✓	✓	✓	SP07+	SP09+	✓	✓	✓	SP06+	SP09+	-	-
Safari 6 ^(*5)	Oracle JRE 7 ^(*5)	-	-	-	-	-	-	-	-	-	-	-	-	✓

Only 32-bit browsers are supported, except for Safari on OS X, which is only available as a 64-bit browser. In the case of IE10, this means “Enhanced Protected Mode” (64-bit content processes) is not supported; the IE 10 application itself (the “Manager” process) is always 64-bit on 64-bit systems and this is supported. Touch screen interactions are not supported.

- (*1) IE 8.0 and IE 9.0 Compatibility View is required for BI workspaces.
- (*2) For more information about Firefox Extended Support Releases: <http://www.mozilla.org/en-US/firefox/organizations/faq/>
- (*3) Current version of Google Chrome is supported based on testing with earlier versions of Chrome during development. Although SAP will work to maintain compatibility with Google Chrome, issues may be introduced if and when Google makes significant changes to Chrome between rapid-releases.
- (*4) Web Intelligence is supported with Google Chrome with BI 4.0 SP06 and later, but not with SP05.
- (*5) Web Intelligence Rich Internet Application (Java Applet) is not supported on OS X until BI 4.0 SP07. Refer to [SAP Note 1906633](#).
- (*6) Slider controls do not function in the Web Intelligence Rich Internet Application (Java Applet) with Java 7 in SP05. This is resolved in SP06.
- (*7) IE 10 Compatibility View is required by Analysis, edition for OLAP and BI workspaces.
- (*8) Support for Firefox ESR 17 is deprecated as of Dec 3, 2013.
- (*9) Support for JRE 6 as a browser JRE is deprecated as of Dec 31, 2013.
- (*10) IE 11 is not supported with Analysis, edition for OLAP.
- (*11) Support for Windows XP is deprecated as of April 8, 2014.
- (*12) Please note Crystal Reports Java Applet viewer will be deprecated soon – please use Crystal Reports DHTML (“Web”) viewer instead.
- (*13) From Chrome version 45 onwards, NPAPI is not supported, Web Intelligence Java Applet will not launch, refer to SAP Note [2196748](#) and [2156305](#)
- (*14) Edge (Spartan) browser on Windows 10 is not supported.
- (*15) Beginning January 12, 2016, Microsoft will support the most current version of Internet Explorer available for a supported operating system.. Only the current version of IE will receive technical supports and security updates. Please refer [SAP KBA](#)

SAP BusinessObjects BI 4.0 SP05+ PAM

Java Application Server Support by Operating Systems [1/2]



The platforms on this slide are supported as application servers. For more information, please refer to the [Web Application Deployment Guide](#).

See next slide for footnotes 2-5 and explanations on how to read the table.

Application Server	Version	Java Version	Windows Server	Linux	AIX	Solaris
			Oracle/Sun JDK	Oracle/Sun JDK	IBM Java	Oracle/Sun JDK
JBoss Application Server	5.0	Java 5 / Java 6	✓	✓	✓	✓
	5.1 (Compatible to 5.0)	Java 5 / Java 6	✓	✓	✓	✓
SAP NetWeaver CE	7.2 SP3	SAP JVM 1.6 (*3)	✓	✓	✓	✓
SAP NetWeaver Java Application Server	7.30	SAP JVM 1.6 (*3)	✓	✓	✓	✓
	7.31, 7.40	SAP JVM 1.6 (*3)	SP06+	SP06+	SP06+	SP06+
Tomcat	6.0.20	Java 6 , Java 7	✓	✓	✓	✓
	7.0	Java 6 , Java 7	✓	✓	✓	✓
	8.0	Java 7, Java 8	SP12	SP12	SP12	SP12
WebLogic	10	Java 5	✓	✓	✓	✓
		JRockit 5.0	✓	✓	-	✓
	10.3	Java 6	✓	✓	✓	✓
		JRockit 6.0	✓	✓	-	✓
	10.3.3, 10.3.4 (*1), 10.3.5 (*1), 10.3.6	Java 6	✓	✓	✓	✓
		JRockit 6.0	✓	✓	-	✓
WebSphere	6.1.0.7 (*4)	Java 5 (*2)	✓	✓	✓	✓
	7.0.0.11	Java 6 (*2)	✓	✓	✓	✓
	8.5, 8.5.5 (*6)	Java 6 (*2)	✓	✓	✓	✓

Note about HTTP servers: Any HTTP server supported by the application server vendor can be used with the supported application server

(*1) Compatible support with respect to WebLogic Server 10.3.3. Please see [Compatible Support](#) section of the [Platforms Support Policy](#)

(*2 - *4) See next page

(*6) The WAS Liberty Profile is not supported

SAP BusinessObjects BI 4.0 SP05+ PAM

Java Application Server Support by Operating Systems [2/2]



The table below describes how to read the SDK version dependency for each Operating System.

For example: When an application server is noted as supported with Java 5, and the operating system notes that it is a Oracle JDK, it means that this is Oracle JDK 5 release. Similar for IBM Java.

	Oracle/Sun JDK	IBM Java
Java 5	Oracle JDK 5	IBM Java 5
Java 6	Oracle JDK 6	IBM Java 6
Java 7	Oracle JDK 7	IBM Java 7
Java 8 (*5) (*6) (*7)	Oracle JDK 8	IBM Java 8

- Only Java Application Server utilizing 64-bit JDK's are supported
 - (*2) WebSphere is supported with IBM Java SDK when applicable
 - (*3) SAP NetWeaver is supported with SAP JVM on all Operating Systems
 - (*4) Not supported by SAP BusinessObjects Analysis , edition for OLAP
 - (*5) Java 8 is supported with Tomcat 7.0.30 and above
 - (*6) With Java 8, there is a workaround required, as described in [SAP Note 2149200](https://service.sap.com/bosap-supportedplatforms). (*7) BI Workspace within BI Launchpad and Visual Difference within Central Management Console, are not supported with Java 8
-
- (Compatible to ..) - Compatible support with regards to the specified release. For definition of Compatible support please consult the Platforms Support Policy: <https://service.sap.com/bosap-supportedplatforms>

IIS is supported for Integration option for Microsoft SharePoint (IOMS) only.

		Windows Server 2003	Windows Server 2008	Windows Server 2008 R2
Application Server	Version			
IIS	6	✓	-	-
	7	-	✓	-
	7.5	-	-	✓

SAP BusinessObjects BI 4.0 SP05+ PAM

Portal Server Support by Operating Systems



		Windows Server	Linux	AIX	Solaris
Portal Server	Version				
SAP Netweaver Enterprise Portal	7.0	✓	✓	✓	✓
	7.3	✓	✓	✓	✓
	7.31, 7.40	SP06+	SP06+	SP06+	SP06+
Oracle WebLogic Portal	10	✓	✓	✓	✓
	10.3.0	✓	✓	✓	✓
	10.3.2	✓	✓	✓	✓
	10.3.4 (*3)	✓	✓	✓	✓
	10.3.5	SP07+	SP07+	SP07+	SP07+
Websphere Portal	6.1	✓	✓	✓	✓
	6.1.5	✓	✓	✓	✓
	7	✓	✓	✓	✓
	8	SP08+	SP08+	SP08+	SP08+
MSFT SharePoint (*1) (*2)	2007	✓	-	-	-
	2010	✓	-	-	-

• (*1) Integration option for Microsoft SharePoint only.

• (*2) .NET 3.5

• (*3) Compatible support with respect to WebLogic Portal 10.3.2. Please see Compatible Support section of the [Platforms Support Policy](#)

SAP BusinessObjects BI 4.0 SP05+ PAM

CMS + Audit Repository Support by Operating Systems



(*6) Only 64-bit database connector middleware is supported

Provider Name	Version	Database Connector (*6)	Windows Server ^(*7)	Linux ^(*7)	AIX ^(*7)	Solaris ^(*7)
IBM DB2 for Linux, UNIX, and Windows (*5)	9.5	DB2 Client 9.5	✓	✓	✓	✓
	9.7	DB2 Client 9.7	✓	✓	✓	✓
	10.1	DB2 Client 10.1	SP06+	SP06+	SP06+	SP06+
	10.5	DB2 Client 10.5	SP08+	SP08+	SP08+	SP08+
IBM DB2 Workgroup Edition (*1)	9.7	DB2 Client 9.7	✓	✓	✓	✓
Microsoft SQL Server	2005 SP3+	Microsoft ODBC MDAC 2.8	✓	-	-	-
		Microsoft ODBC SNAC (Native Client)	✓	-	-	-
	2008 SP2+	Microsoft ODBC driver for SQL Server (WDAC 6)	✓	-	-	-
	2008 R2	Microsoft ODBC driver for SQL Server (WDAC 6)	✓	-	-	-
	2012	Microsoft SQL Server Native Client 11	✓	-	-	-
Microsoft SQL Server Express (*2)	2008	Microsoft ODBC driver for SQL Server (WDAC 6)	✓	-	-	-
MySQL AB	5.1	MySQL C-API	✓	✓	✓	✓
Oracle (*3)	10gR2	Oracle Net Client 10g R2	✓	✓	✓	✓
	11gR1	Oracle Net Client 11g R1	✓	✓	✓	✓
	11gR2	Oracle Net Client 11g R2	✓	✓	✓	✓
	12c	Oracle Net Client 12c	SP10+	SP10+	SP10+	SP10+
SAP HANA (*4)	SPS05		✓	✓	✓	✓
	SPS06		SP07+	SP07+	SP07+	SP07+
	SPS07		SP08+	SP08+	SP08+	SP08+
	SPS08		SP10+	SP10+	SP10+	SP10+
	SPS09		SP11+	SP11+	SP11+	SP11+
SAP MaxDB	7.7	MaxDB ODBC 7.7 (7.7.07.20+)	✓	✓	✓	✓
Sybase Adaptive Server Enterprise	15	Sybase Open Client 15	✓	✓	✓	✓
	15.5	Sybase Open Client 15.5	✓	✓	✓	✓
	15.7	Sybase Open Client 15.7	✓	✓	✓	✓
Sybase SQL Anywhere (*4)	12.0.1	Sybase SQL Anywhere ODBC Driver 12.0.1	✓	✓	✓	✓

- (*1) Bundled with BusinessObjects BI 4.0 FP3 Unix/Linux (*2) Bundled with BusinessObjects BI 4.0 FP3 Windows
- (*3) Oracle Real Application Cluster is supported. (*4) To use SAP HANA or Sybase SQL Anywhere as a CMS/Audit repository you must select the default database during installation, then export the data to the target database. For details, please refer to the BI platform Administrator's Guide.
- (*5) IBM DB2 for LUW v9.5 support requires fixpak 5 (or newer). IBM DB2 for LUW v9.7 support requires fixpak 1 (or newer). HADR is supported with DB2 for LUW v9.5, v9.7, and v10.1 for the CMS repository. (*7) Operating system on which the BI platform is installed.

SAP BusinessObjects BI 4.0 SP05+ PAM

Directory Server (LDAP) Support by Operating Systems



	Windows	Linux	AIX	Solaris
Directory Server (LDAP)				
IBM Tivoli Directory Server 6.1	✓	✓	✓	✓
IBM Tivoli Directory Server 6.2	✓	✓	✓	✓
IBM Tivoli Directory Server 6.3	✓	✓	✓	✓
Microsoft Active Directory Application Mode (for Windows Server 2003, 2003 R2)	✓	✓	✓	✓
Microsoft Active Directory Lightweight Directory Services ^(*1) (for Windows Server 2008, 2008 R2)	✓	✓	✓	✓
Microsoft Active Directory Lightweight Directory Services ^(*1) (for Windows Server 2012, 2012 R2)	SP07+	SP07+	SP07+	SP07+
Novell eDirectory 8.8	✓	✓	✓	✓
Oracle Internet Directory 10g R3	✓	✓	✓	✓
Sun Java System Directory Server Enterprise 6.3	✓	✓	✓	✓

(*1) Active Directory Lightweight Directory Services was known as Active Directory Application Mode in previous releases of Windows Server.

SAP BusinessObjects BI 4.0 SP05+ PAM

Other Technology Support by Operating Systems [1/2]



		Windows	Mac OS
Technology	Technology Version		
Adobe Reader	Adobe Reader 9.0	✓	✓
	Adobe Reader 9.3.x / 9.4.x (*2)	✓	✓
	Adobe Reader 10.0	✓	✓
	Adobe Reader 11	SP07+	SP07+
Adobe Flash Player	Adobe Flash Player 10 (*1)	✓	✓
	Adobe Flash Player 11	✓	✓
	Adobe Flash Player 12	SP10+	SP10+
	Adobe Flash Player 14	SP11+	SP11+
	Adobe Flash Player 15	SP11+	SP11+
Microsoft Office (*3) (*4)	Microsoft Office 2003 SP3	✓	-
	Microsoft Office 2007 SP3	✓	-
	Microsoft Office 2010 SP1+	✓	-
	Microsoft Office 2013	SP06+	-

- (*1) SAP BusinessObjects Explorer requires minimum Adobe Flash Player version 10.1
- (*2) Adobe Reader 9.1.x + 9.2.x are supported by reference to Adobe Reader 9.0
- (*3) Only 32-bit versions of Microsoft Office are supported
- (*4) SPs of Microsoft Office that are higher than the minimum listed SPs are supported by reference

SAP BusinessObjects BI 4.0 SP05+ PAM

Other Technology Support by Operating Systems [2/2]



		Windows	Linux	AIX	Solaris
Technology	Technology Version				
Microsoft Active Directory	Microsoft Active Directory 2003 and 2003 R2	✓	-	-	-
	Microsoft Active Directory 2008 and 2008 R2 (including LDS support)	✓	-	-	-
	Microsoft Active Directory 2012 (including LDS support)	✓	-	-	-
Microsoft .NET Framework	.NET Framework 3.5	✓	-	-	-
	.NET Framework 4.0 (*1)	✓	-	-	-
	.NET Framework 4.5	SP07+	-	-	-
Computer Associates Access Management	eTrust Siteminder 12.0	✓	✓	✓	✓
SAP GUI	SAP GUI 7.20, 7.30, 7.40 (*2)	✓	-	-	-
SAP JCO	SAP JCO 3.0.13	✓	✓	✓	✓

- (*1) Compatible support with respect to .NET 3.5. Please see Compatible Support section of the [Platforms Support Policy](#)
- (*2) Recommended minimum supported SAP GUI 7.4 version is SAP GUI 7.4 Patch 2 . Refer SAP Note [2163607](#) and SAP note [2063021](#) for more details.

Reverse Proxy

Apache HTTP Server 2.2

Apache HTTP Server 2.4

WebSEAL 6

Microsoft Internet Security and Acceleration (ISA) Server 2006 (*1)

(*1) Not supported for Mobile Server

Server Virtualization

Refer to the **SAP Note 1492000** for the general statement on virtualization technology support, and related notes for virtualization support on operating systems supported in this release

Desktop Virtualization

Refer to the table below:

		Windows
Desktop Virtualization		
Citrix	XenApp 6.0 and 6.5 ^(*1) [Windows Server 2008 R2]	✓
	XenApp 5.0 [Windows Server 2003 & 2008]	✓
	Presentation Server 4.5 [Windows Server 2003]	✓
Microsoft	Remote Desktop Services	✓

- (*1) XenApp 6.5 is supported by reference to XenApp 6.0

SAP BusinessObjects BI 4.0 SP05+ PAM

SAP BusinessObjects Analysis, edition for OLAP

OLAP Server Support by Operating System



			Windows	AIX	Linux	Solaris
Provider Name	Version	Connectivity				
SAP BW	See next slide	BICS	✓	✓	✓	✓
Microsoft SQL Server Analysis Services	2005 SP1+	XMLA	✓	✓	✓	✓
	2008	XMLA	✓	✓	✓	✓
	2012	XMLA	✓	✓	✓	✓
SAP BusinessObjects Financial Consolidation	V7.5	XMLA	✓	✓	✓	✓
	v10	XMLA	✓	✓	✓	✓
SAP BusinessObjects Planning and Consolidation for Microsoft platform	7.5 SP5	XMLA	✓	✓	✓	✓
	v10	XMLA	✓	✓	✓	✓
SAP BusinessObjects Planning and Consolidation for NetWeaver	v10	BICS	✓	✓	✓	✓
SAP BusinessObjects Profitability and Cost Management	7.5 SP12	XMLA	✓	✓	✓	✓
	v10	XMLA	✓	✓	✓	✓
Teradata (*1)	v15.10	XMLA	✓	✓	✓	✓

- (*1) Direct connectivity to Teradata will be supported when Teradata makes XMLA connectivity generally available.

SAP BusinessObjects BI 4.0 SP05+ PAM

SAP BW Minimum version per product - overview



Product	Connectivity	BW 7.01 SPS 06+	BW 7.01 SPS 08+	BW 7.02 SPS 02+	BW 7.30 SPS 03+	BW 7.31 SPS 04+ (*5)	BW 7.40 SPS 02+
Web Intelligence	BICS (Dimensional Transient Universe)	✓	✓	✓	✓	✓	SP06+
Crystal Reports for Enterprise		✓	✓	✓	✓	✓	SP06+
Dashboards		✓	✓	✓	✓	✓	SP06+
Web Intelligence	UNV OLAP	✓	✓	✓	✓	✓	SP06+
Live Office		✓	✓	✓	✓	✓	SP06+
Web Intelligence	Multi source universe (Relational)	✓	✓	✓	✓	✓	SP06+
Crystal Reports Enterprise		✓	✓	✓	✓	✓	SP06+
Dashboards		✓	✓	✓	✓	✓	SP06+
Explorer		✓	✓	✓	✓	✓	SP06+
Analysis, edition for OLAP (*1)	BICS (Direct to BEx)	✓	✓	✓	✓	✓	SP06+
Analysis, edition for Microsoft Office (*2)		(*6)	(*6)	(*6)	(*6)	(*6)	(*6)
Dashboards	BICS (NW BI Java)	✓	✓	✓	✓	✓	SP06+
Explorer	BWA (*4)	✓	✓	✓	✓	✓	SP06+
Crystal Reports for Enterprise	Direct to Data (D2D)	-	-	-	-	-	-
Crystal Reports 2011	Direct BW Connection	✓	✓	✓	✓	✓	SP06+
BEx Web Applications (*3)	(Integrated with BI 4)	-	✓	✓	✓	✓	SP06+

- (*1) Analysis, edition for OLAP additionally supports BW 7.0 SPS23+
- (*2) Analysis, edition for Microsoft Office standalone (not used with BI 4.0) supports any BW release as of 7.0 (no specific BI 4.0 SP needed)
- (*3) Please consult SAP notes 1541365 and 1476156

- (*4) Explorer supports BWA Version 7.20, rev 19 and above
- (*5) BW 7.31 SPS 04+ is supported as of BI 4.0 SP05, Patch 1
- (*6) Please refer to the Analysis, edition for MSFT Office PAM for details

SAP BusinessObjects BI 4.0 SP05+ PAM

SAP HANA Support per product - overview



Product	Connectivity	HANA SPS03 through h SPS05	HANA SPS06 ^{(*} 2)	HANA SPS07	HANA SPS08	HANA SPS09	HANA SPS10
Web Intelligence	UNIX (Relational Universe)	✓	SP07+	SP08+	SP10+	SP11+	SP12
Crystal Reports for Enterprise		✓	SP07+	SP08+	SP10+	SP11+	SP12
Dashboards		✓	SP07+	SP08+	SP10+	SP11+	SP12
Analysis, edition for OLAP	Direct Connection (BICS)	✓	SP07+	SP08+	SP10+	SP11+	SP12
Analysis, edition for Microsoft Office		(*1)	(*1)	(*1)	(*1)	(*1)	(*1)
Explorer	Direct Connection (JDBC)	✓	SP07+	SP08+	SP10+	SP11+	SP12
	UNIX (Relational Universe)						
Crystal Reports 2011	Direct Connection	✓	SP07+	SP08+	SP10+	SP11+	SP12
Crystal Reports for Enterprise	Direct to Data	✓	SP07+	SP08+	SP10+	SP11+	SP12

- (*1) Please refer to the Analysis, Edition for Microsoft Office PAM for details.
- (*2) HANA SPS06 is directly supported with BI 4.0 SP07 and above. For details regarding compatible support for HANA SPS06 with older SPs of BI 4.0, please refer to [Note 1918761](#).



- Suggested way to view find needed information: select Operating system + filter on Sources for your choice of data access -

Semantic Layer & Connection Server - Data Sources

Please consult the file [Semantic Layer Datasources](#)

Notes:

UNICODE is supported for all data sources. , unless otherwise indicate in the Notes of the attached file. .

- Overview of different types of universes can be found in the tab *Universe Consumption*

Crystal Reports for Enterprise - Direct to Data (D2D) Sources

Please consult the file [CR Enterprise D2D RTC Data Access](#)

Notes:

- Cristal Reports is offered as a 32-bit native binary. It requires 32-bit data source middleware connectivity on all operating systems.
- Crystal Reports uses 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

Crystal Reports 2011 - Enterprise Data Sources

Please consult the file [CR 2011 RTC Data Access](#)

Notes:

- Cristal Reports is offered as a 32-bit native binary. It requires 32-bit data source middleware connectivity on all operating systems.
- Crystal Reports uses 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

SAP BusinessObjects BI 4.0 SP05+ PAM

Data Services and Information Steward



Please refer to [SAP note 1740516](#) for information regarding the compatibility of Data Services and Information Steward.

APPENDIX



SAP BusinessObjects BI 4.0 SP05+ PAM

Minimum HW Requirements - Windows



Minimum Screen Resolution

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

Minimum Server Hardware Requirements

For Evaluation Purposes:

CPU performance of at least 8000 SAPS

16 GB RAM minimum

For Deployment:

Please refer to the [BI4 Sizing Companion Guide](#), located at www.sap.com/bisizing and also your SAP representative.

•For more information on SAPS, see the SAP Sizing portal: <http://service.sap.com/sizing> and also the SAP benchmarked vendor hardware list: <http://www1.sap.com/solutions/benchmark/sd2tier.epx>

•If deploying to virtualized hardware, it is strongly recommended that the memory and CPU(s) be reserved for each virtual machine that is running the BI services.

Minimum Client Hardware Requirements

Dual Core CPU

2 GB RAM

Note: Compiled binaries of SAP BusinessObjects BI software is supported on versions of the Windows operating system running on CPUs made by AMD or Intel

Recommended Disk Space Requirements

SAP BusinessObjects BI (client installer):

- 3.5 GB for default installation with English language only installed

- 7.5 GB for default installation with all languages installed

SAP BusinessObjects BI (server installer):

- 11 GB for default installation with English language only installed

- 14 GB for default installation with all languages installed

SAP BusinessObjects BI 4.0 SP05+ PAM

Minimum HW Requirements - Linux



Minimum Server Hardware Requirements

For Evaluation Purposes:

CPU performance of at least 8000 SAPS

16 GB RAM minimum

For Deployment:

Please refer to the [BI4 Sizing Companion Guide](#), located at www.sap.com/bisizing and also your SAP representative.

- For more information on SAPS, see the SAP Sizing portal: <http://service.sap.com/sizing> and also the SAP benchmarked vendor hardware list: <http://www1.sap.com/solutions/benchmark/sd2tier.epx>
- If deploying to virtualized hardware, it is strongly recommended that the memory and CPU(s) be reserved for each virtual machine that is running the BI services.

Note: Compiled binaries of SAP BusinessObjects BI software is supported on versions of the Linux operating system running on CPUs made by AMD or Intel.

Recommended Disk Space Requirements

SAP BusinessObjects BI (server installer):

14 GB for default installation with English language only installed

16 GB for default installation with all languages installed

SAP BusinessObjects BI 4.0 SP05+ PAM

Minimum OS Patch Requirements - Linux



Minimum Patch Level for SUSE Linux Enterprise Server 10

Required SUSE Linux Enterprise Server 10 operating system install plus:
SUSE Linux Enterprise Server 10 Service Pack 2

Minimum Patch Level for SUSE Linux Enterprise Server 11

No additional components required outside the SLES 11 RTM install.

Minimum Patch Level for Red Hat Enterprise Linux 5

Required Red Hat 5 operating system install plus:
Red Hat Enterprise Linux 5 Update 2

Minimum Patch Level for Red Hat Enterprise Linux 6

Required Red Hat 6 operating system install plus:
Red Hat Enterprise Linux 6 Update 2
Red Hat Enterprise Linux 6 requires the following component: glibc-2.12-1.7-el6.i686

All OS versions: Higher patches beyond the specified minimum patch requirement may be used, but they may not be officially tested by SAP.

SAP BusinessObjects BI 4.0 SP05+ PAM

Supported Locales - Linux



Language	UNIX Locale
Czech	cs_CZ.utf8
Danish	da_DK.utf8
Dutch	nl_NL.utf8
English	en_US.utf8
Finnish	fi_FI.utf8
French	fr_FR.utf8
German	de_DE.utf8
Hungarian	hu_HU.utf8
Italian	it_IT.utf8
Japanese	ja_JP.utf8
Korean	ko_KR.utf8
Norwegian	no_NO.utf8
Polish	pl_PL.utf8
Portuguese	pt_BR.utf8
Romanian	ro_RO.utf8
Russian	ru_RU.utf8
Slovakian	sk_SK.utf8
Spanish	es_ES.utf8
Swedish	sv_SE.utf8
Simplified Chinese	zh_CN.utf8
Traditional Chinese	zh_TW.utf8
	zh_HK.utf8
Thai	th_TH.utf8
Turkish	tr_TR.utf8



Minimum Hardware Requirements

For Evaluation Purposes:

CPU performance of at least 8000 SAPS

16 GB RAM minimum

For Deployment:

Please refer to the [BI4 Sizing Companion Guide](http://www.sap.com/bisizing), located at www.sap.com/bisizing and also your SAP representative.

•For more information on SAPS, see the SAP Sizing portal: <http://service.sap.com/sizing> and also the SAP benchmarked vendor hardware list: <http://www1.sap.com/solutions/benchmark/sd2tier.epx>

•If deploying to virtualized hardware, it is strongly recommended that the memory and CPU(s) be reserved for each virtual machine that is running the BI services.

Recommended Disk Space Requirements

SAP BusinessObjects BI (server installer):

- 13 GB for default installation with English language only installed
- 15 GB for default installation with all languages installed

SAP BusinessObjects BI 4.0 SP05+ PAM

Minimum OS Patch Requirements - AIX



Minimum Patch Level for AIX 5.3

Required AIX 5.3 operating system install plus:

Technology Level 9 SP3

IBM C++ Runtime Environment Components for AIX => xLC.aix50.rte 10.1.0.3

Minimum Patch Level for AIX 6.1

Required AIX 6.1 operating system install plus:

Technology Level 5

IBM C++ Runtime Environment Components for AIX => xLC.aix61.rte 10.1.0.3

Minimum Patch Level for AIX 7.1

Required AIX 7.1 operating system install plus:

Technology Level 1 SP2

IBM C++ Runtime Environment Components for AIX => xLC.aix61.rte 11.1.0.2

All OS versions: Higher patches beyond the specified minimum patch requirement may be used, but they may not be officially tested by SAP.

SAP BusinessObjects BI 4.0 SP05+ PAM

Supported Locales - AIX



Language	UNIX Locale
Czech	CS_CZ.UTF-8
Danish	DA_DK.UTF-8
Dutch	NL_NL.UTF-8
English	EN_US.UTF-8
Finnish	FI_FI.UTF-8
French	FR_FR.UTF-8
German	DE_DE.UTF-8
Hungarian	HU_HU.UTF-8
Italian	IT_IT.UTF-8
Japanese	JA_JP.UTF-8
Korean	KO_KR.UTF-8
Norwegian	NO_NO.UTF-8
Polish	PL_PL.UTF-8
Portuguese	PT_BR.UTF-8
Romanian	RO_RO.UTF-8
Russian	RU_RU.UTF-8
Slovakian	SK_SK.UTF-8
Spanish	ES_ES.UTF-8
Swedish	SV_SE.UTF-8
Simplified Chinese	ZH_CN.UTF-8
Traditional Chinese	ZH_TW.UTF-8
	ZH_HK.UTF-8
Thai	TH_TH.UTF-8
Turkish	TR_TR.UTF-8

SAP BusinessObjects BI 4.0 SP05+ PAM

Minimum HW and Patch Requirements - Solaris



Minimum Hardware Requirements

For Evaluation Purposes:

CPU performance of at least 8000 SAPS

16 GB RAM minimum

For Deployment:

Please refer to the [BI4 Sizing Companion Guide](#), located at www.sap.com/bisizing and also your SAP representative.

•For more information on SAPS, see the SAP Sizing portal: <http://service.sap.com/sizing> and also the SAP benchmarked vendor hardware list: <http://www1.sap.com/solutions/benchmark/sd2tier.epx>

•If deploying to virtualized hardware, it is strongly recommended that the memory and CPU(s) be reserved for each virtual machine that is running the BI services.

Minimum Patch Level for Solaris 10

Required Solaris 10 operating system install (Solaris 10 8/2007 release).

No additional components required.

Higher patches beyond the specified minimum patch requirement may be used, but they may not be officially tested by SAP.

Recommended Disk Space Requirements

SAP BusinessObjects BI (server installer):

- 13 GB for default installation with English language only installed
- 15 GB for default installation with all languages installed

SAP BusinessObjects BI 4.0 SP05+ PAM

Supported Locales - Solaris



Language	UNIX Locale
Czech	cs_CZ.UTF-8
Danish	da_DK.UTF-8
Dutch	nl_NL.UTF-8
English	en_US.UTF-8
Finnish	fi_FI.UTF-8
French	fr_FR.UTF-8
German	de_DE.UTF-8
Hungarian	hu_HU.UTF-8
Italian	it_IT.UTF-8
Japanese	ja_JP.UTF-8
Korean	ko_KR.UTF-8@dict
Norwegian	nb_NO.UTF-8
Polish	pl_PL.UTF-8
Portuguese	pt_BR.UTF-8
Romanian	ro_RO.UTF-8
Russian	ru_RU.UTF-8
Slovakian	sk_SK.UTF-8
Spanish	es_ES.UTF-8
Swedish	sv_SE.UTF-8
Simplified Chinese	zh_CN.UTF-8@pinyin
Traditional Chinese	zh_CN.UTF-8@radical
	zh_CN.UTF-8@stroke
Thai	zh_TW.UTF-8@pinyin
Turkish	zh_TW.UTF-8@radical



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