

# SAP BusinessObjects BI Platform 4.1

## Supported Platforms (PAM)

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# SAP BusinessObjects BI Platform 4.1

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- Minimum Hardware + Operating System Patch Requirements
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This document is also applicable to Edge BI 4.1 and Crystal Server 2013.

#### For Edge BI 4.1 and Crystal Server 2013:

- Only Windows and Linux operating systems are supported.

#### For Crystal Server 2013:

- The following components are not supported with Crystal Server 2013: Web Intelligence, Analysis, edition for OLAP, SAP BW integration.

For BI 4.1 Maintenance Strategy document: [click here](#)

#### How to read the tables in this document

A checkmark means supported with BI 4.1 and above



SPX+ means supported with BI 4.1 SPX and above



"-" means not supported



# SAP BusinessObjects BI Platform 4.1

## Server Components by Operating System

	Windows (*1)					Linux					AIX			Solaris	
	Server 2008 x64	Server 2008 R2 x64	Server 2012	Server 2012 R2	Server 2016	Suse SLES 11 x86_64	Suse SLES 12 x86_64	Red Hat EL 5 x86_64	Red Hat EL 6 x86_64	Red Hat EL 7 x86_64	AIX 6 .1 Power	AIX 7.1 Power	AIX 7.2	Solaris 10 SPARC	Solaris 11 SPARC
64-bit BusinessObjects BI Server Products	SP2	SP1				(*2)	(*2)	Update 3 (*2)	Update 2 (*2)	(*6)	TL5	(*7)			
SAP BusinessObjects BI platform	✓	✓	✓	SP02+ (*5)	SP10+	✓	SP07+	✓	✓	SP07+	✓	✓	SP10+	✓	✓
SAP BusinessObjects Analysis, edition for OLAP	✓	✓	✓	SP02+ (*5)	SP10+	✓	SP07+	✓	✓	SP07+	✓	✓	SP10+	✓	✓
SAP BusinessObjects Explorer	✓	✓	✓	SP02+ (*5)	SP10+	✓	SP07+	✓	✓	SP07+	✓	✓	SP10+	✓	✓
SAP BusinessObjects Web Intelligence	✓	✓	✓	SP02+ (*5)	SP10+	✓	SP07+	✓	✓	SP07+	✓	✓	SP10+	✓	✓
SAP Crystal Reports for Enterprise	✓	✓	✓	SP02+ (*5)	SP10+	✓	SP07+	✓	✓	SP07+	✓	✓	SP10+	✓	✓
SAP Crystal Reports 2013	✓	✓	✓	SP02+ (*5)	SP10+	✓	SP08+	✓	SP01+	SP08+	✓	✓	SP10+	✓	✓
SAP BusinessObjects Dashboards	✓	✓	✓	SP02+ (*5)	SP10+	✓	SP07+	✓	✓	SP07+	✓	✓	SP10+	✓	✓
Mobile Server (*4)	✓	✓	✓	SP02+ (*5)	SP10+	✓	SP07+	✓	✓	SP07+	✓	✓	SP10+	✓	SP04+

- SAP 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 11 above the minimum supported versions listed on this slide are supported by reference. Refer to Page 25 of this document for more information about minimum OS patch requirements for Linux.
- (\*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.
- (\*5) Windows Server 2012 R2 is supported for server components as of BI 4.1 SP02; please note that IE11 is supported only as of BI 4.1 SP03.
- (\*6) RHEL 7.2 and 7.3 are supported from 4.1 SP10 onwards
- (\*7) AIX 7.1 TL4 supported from SP10 onwards

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## Desktop Clients and Operating System

	Windows Server				Windows Desktop				Mac			
	Server 2008	Server 2008 R2	Server 2012	Server 2012 R2	Windows 7 SP1	Windows 8 (*2)	Windows 8.1	Windows 10	Mac OS X 10.9	Mac OS X 10.10	Mac OS X 10.11	Mac OS Sierra
32-bit BusinessObjects BI Desktop Clients	SP2	SP1			SP1							
SAP BusinessObjects BI Client Tools	✓	✓	✓	SP02+ (*1)	✓	✓	SP02+ (*1)	SP07+	-	-	-	
SAP BusinessObjects Live Office	✓	✓	✓	SP02+ (*1)	✓	✓	SP02+ (*1)	SP07+	-	-	-	
SAP BusinessObjects Web Intelligence Rich Client	✓	✓	✓	SP02+ (*1)	✓	✓	SP02+ (*1)	SP07+	-	-	-	
SAP Crystal Reports for Enterprise	✓	✓	✓	SP02+ (*1)	✓	✓	SP02+ (*1)	SP07+	-	-	-	
SAP Crystal Reports 2013	✓	✓	✓	SP02+ (*1)	✓	✓	SP02+ (*1)	SP07+	-	-	-	
SAP Crystal Reports Viewer 2013	✓	✓	✓	SP02+ (*1)	✓	✓	SP02+ (*1)	SP07+	✓	SP08+	SP09+	SP10+
SAP Crystal Presentation Design 2013	✓	✓	✓	SP02+ (*1)	✓	✓	SP02+ (*1)	SP07+	-	-	-	
SAP BusinessObjects Dashboards	✓	✓	✓	SP02+ (*1)	✓	✓	SP02+ (*1)	SP07+	-	-	-	

BusinessObjects BI Desktop Clients are 32-bit and can be used in 64-bit operating systems.

Touch screen interactions are not supported.

(\*1) Windows Server 2012 R2 and Windows 8.1 are supported for desktop clients as of BI 4.1 SP02, but IE11 is supported only as of BI 4.1 SP03

(\*2) Windows 8.0 has reached end of life. Please refer vendor's [documentation](#) for more information

# SAP BusinessObjects BI Platform 4.1

## Mobile Clients supported with this release

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Please refer to the **SAP BusinessObjects Mobile Clients Supported Platforms (PAM)**.

Please note that BI Platform content is only supported on-device through Mobile BI where applicable. For example, BI platform content is not supported directly in Safari on iPad or Chrome on Android, only through the Mobile BI apps on these platforms.

# SAP BusinessObjects BI Platform 4.1

## Language Support by Products

**UI:** The user interface for all BI 4.1 products is localized into the languages listed below.

**Data:** Data stored in Unicode format can be accessed and displayed in all products and is not restricted to the languages below.

BusinessObjects Enterprise 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	Slovenian	Arabic (**)	Hebrew (***)
BusinessObjects BI Server Products	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Limited, see below	Limited, see below
BusinessObjects BI Desktop Products	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Limited, see below	Limited, see below

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

### (\*\*) Arabic & Hebrew Support

#### BI launch pad (\*2) (\*3)

#### BI workspaces (viewing only) (\*3)

#### Crystal Reports Web Viewer (\*3)

#### Web Intelligence

- Web Intelligence Rich Internet Application (Java Applet) (\*3)
- Web Intelligence Rich Client

#### Analysis, edition for OLAP (\*3)

#### SAP BusinessObjects Explorer (\*4)

- (\*2) BI platform plug-in components that can be accessed through the BI launch pad are not all supported in Arabic and Hebrew. Supported BI platform plug-in components are listed separately in this table.
- (\*3) For those browser-based components that support Arabic and Hebrew, support is limited to Internet Explorer and Firefox.
- (\*4) SAP BusinessObjects Explorer doesn't support right to left languages. This is a limitation with Adobe Flash player.



# SAP BusinessObjects BI Platform 4.1

## Browser Support by Operating System

Web Browser	Java	Windows Server					Windows Desktop			Mac OS			
		Server 2008 SP2 x64	Server 2008 R2 SP1 x64	Server 2012 X64	Server 2012 R2	Server 2016	Windows 7 SP1	Windows 8.1	Windows 10	Mac OS X 10.9	Mac OS X 10.10	Mac OS X 10.11	Mac OS Sierra
Microsoft IE 9 <sup>(*)</sup> <sup>(**12)</sup>	Oracle JRE 6 <sup>(*)</sup> , 7, 8 <sup>(*)</sup>	✓	-	-	-	-	-	-	-	-	-	-	-
Microsoft IE 10 desktop version <sup>(*)</sup> <sup>(**12)</sup>	Oracle JRE 6 <sup>(*)</sup> , 7, 8 <sup>(*)</sup>	-	-	✓	-	-	-	-	-	-	-	-	-
Microsoft IE 11 desktop version <sup>(*)</sup> <sup>(**12)</sup>	Oracle JRE 7, 8 <sup>(*)</sup>	-	SP03+	-	SP03+	SP10+	SP03+	SP03+	SP07+	-	-	-	-
EdgeHTML 14.14393 <sup>(**13)</sup>		-	-	-	-	-	-	-	SP09+	-	-	-	-
Mozilla Firefox ESR 31.x, 38 <sup>(**2)</sup> <sup>(**6)</sup> <sup>(**7)</sup> <sup>(**14)</sup>	Oracle JRE 7, 8 <sup>(*)</sup>	SP05+ <sup>(**11)</sup>	SP05+ <sup>(**11)</sup>	SP05+ <sup>(**11)</sup>	SP05+ <sup>(**11)</sup>	SP10+	SP05+ <sup>(**11)</sup>	SP05+ <sup>(**11)</sup>	-	-	-	-	-
Mozilla Firefox ESR 45.x <sup>(**2)</sup> <sup>(**6)</sup> <sup>(**14)</sup>	Oracle JRE 7, 8 <sup>(*)</sup>	SP09+	SP09+	SP09+	SP09+	SP10+	SP09+	SP09+	SP09+	-	-	-	-
Google Chrome <sup>(**3)</sup> <sup>(**10)</sup>	Oracle JRE 6 <sup>(*)</sup> , 7, 8 <sup>(*)</sup>	✓	✓	✓	✓	SP10+	✓	SP02+	SP09+	-	-	-	-
Safari 7 <sup>(**4)</sup> <sup>(**8)</sup>	Oracle JRE 7 <sup>(**4)</sup> , 8 <sup>(**9)</sup>	-	-	-	-	-	-	-	-	SP03+	-	-	-
Safari 8 <sup>(**4)</sup> <sup>(**8)</sup>	Oracle JRE 7 <sup>(**4)</sup> , 8 <sup>(**9)</sup>	-	-	-	-	-	-	-	-	-	SP06+	-	-
Safari 9 <sup>(**4)</sup> <sup>(**8)</sup>	Oracle JRE 7 <sup>(**4)</sup> , 8 <sup>(**9)</sup>	-	-	-	-	-	-	-	-	-	SP08+	SP09+	-
Safari 10 <sup>(**4)</sup> <sup>(**8)</sup>	Oracle JRE 7 <sup>(**4)</sup> , 8 <sup>(**9)</sup>	-	-	-	-	-	-	-	-	-	-	-	SP10+

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 and IE11, 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.

- (\*) Internet Explorer Compatibility View is supported with BI 4.1 SP01+. [Analysis edition for OLAP and BI LaunchPad on SAP NW Portal (SAPNote 2056982) do not support Compatibility View in IE10 or IE11] [KBA: 2106260 - In IE11 can't select a cascaded prompt value SAPBI WEBI]
- (\*\*2) For more information about Firefox Extended Support Releases (ESR): <http://www.mozilla.org/en-US/firefox/organizations/faq/>
- (\*\*3) The 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, please be aware that issues may be introduced if and when Google makes significant changes to Chrome between rapid-releases.
- (\*\*4) The Web Intelligence Java Applet (Rich Internet Application) is supported on Mac OS X with BI 4.1 SP01 and above. For details see [SAP Note 1906633](#).
- (\*\*5) Support for JRE 6 as a browser JRE is deprecated as of December 31, 2013. **JRE 6 as a browser JRE will not work with BI 4.1 SP03 and above.**
- (\*\*6) For information regarding limited browser support on Linux, please refer to [SAP Note 1910135](#).
- (\*\*7) **Firefox ESR 24 is no longer supported as of Oct, 2014, when Mozilla ended support.**
- (\*\*9) Crystal Reports Java Applet viewer will be deprecated soon, also note it will not launch in Chrome version 45 onwards due to removal of NPAPI support in Chrome. Use the Crystal Reports DHTML ("Web") viewer instead.
- (\*\*10) **From Chrome version 45 onwards, NPAPI is no longer supported, the Web Intelligence Java Applet cannot be launched, refer SAP Note 2196748 and 2156305 for details.**
- (\*\*11) Mozilla Firefox ESR 38 is supported SP06+
- (\*\*12) **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](#)**
- (\*\*13) Edge14.14393 is only available on latest Windows 10(update 1607).
- (\*\*14) From Firefox version 52 onwards, NPAPI is not supported. Oracle Java Runtime Environment is no longer supported in Firefox. Refer KBA 2439342.

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## Java Application Server Support by Operating System [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 2-3 and explanations on how to read the table.

			Windows Server	Linux	AIX	Solaris
			Oracle/Sun JDK	Oracle/Sun JDK	IBM Java	Oracle/Sun JDK
Application Server <sup>(*2)</sup>	Version	Java Version				
JBoss Application Server <sup>(*1)(*11)</sup>	7.1.1 <sup>(*1)</sup>	Java 6, Java 7 <sup>(*2)</sup>	✓	✓	✓	✓
SAP NetWeaver Java Application Server <sup>(*1)</sup>	7.3, 7.31 SP4+	SAP JVM 6.1 <sup>(*3)</sup>	✓	✓	✓	✓
	7.40 SP2+	SAP JVM 6.1 <sup>(*3)</sup>	SP01+	SP01+	SP01+	SP01+
	7.5 SP5+ <sup>(*9)</sup>	SAP JVM 8 <sup>(*3)</sup>	SP09+	SP09+	SP09+	SP09+
	7.5 SP8+ <sup>(*9)(*12)</sup>	SAP JVM 8 <sup>(*3)</sup>	SP10+	SP10+	SP10+	SP10+
Apache Tomcat <sup>(*8)</sup>	6.0.20 <sup>(*10)</sup>	Java 6, Java 7	✓	✓	✓	✓
	7.0	Java 6, Java 7 <sup>(*6)</sup> , Java 8	✓	✓	✓	✓
	8.0	Java 7, Java 8 <sup>(*8)</sup>	SP06+	SP06+	SP06+	SP06+
Oracle WebLogic Server	10.3.5	Java 6	✓	✓	✓	✓
		JRockit 6.0	✓	✓	-	✓
	10.3.6	Java 6, Java 7	✓	✓	✓	✓
		JRockit 6.0	✓	✓	-	✓
IBM WebSphere Application Server	7.0.0.11	Java 6 <sup>(*2)</sup>	✓	✓	✓	✓
	8.5 <sup>(*4) (*5)</sup>	Java 6, Java 7 <sup>(*2)</sup>	✓	✓	✓	✓
	8.5.5 <sup>(*4) (*5)</sup>	Java 6, Java 7 <sup>(*2)</sup>	SP02+	SP02+	SP02+	SP02+
	8.5.13 <sup>(*4) (*5)</sup>	Java 6, Java 7 <sup>(*2)</sup>	SP10+	SP10+	SP10+	SP10+

(\*1) JBoss Application Server 7.1.1 and SAP NetWeaver Java Application Server is supported for pre-deploy only and is not visible as an option in the Wdeploy GUI.

(\*2 - \*3) See next page.

(\*4) Support for the WebSphere On Demand Router is described in [SAP Note 1869511](#).

(\*5) The WAS Liberty Profile is not supported.

(\*6) Apache Tomcat 7 is also supported with SAP JVM 6.1 on all supported operating systems.

(\*8) Apache Tomcat, a free open-source third-party web application server, is not an SAP product. SAP recommends you contact a qualified third-party vendor or consultant for performance tuning, security related issues and load balancer configurations (see KBA 2280098).

(\*9) Limitations regarding Web service and Web Intelligence Applet issue, please refer to [SAP Note 2395738](#).

(\*10) Apache Tomcat 6.0.x will end on 31 December 2016. Please refer to vendor's [documentation](#) for more info.

(\*11) Issues related to SAP BusinessObjects Live Office service not available after JBoss 7.1.1 deployment, please refer to [SAP Note 2398056](#).

(\*12) NW 7.5 SP8 does not support dashboards

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



# SAP BusinessObjects BI Platform 4.1

## Java Application Server Support by Operating System [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 7, and the operating system notes that it is a Oracle JDK, it means that this is Oracle JDK 7 release. Similar for IBM Java.

	Oracle/Sun JDK	IBM Java
Java 6	Oracle JDK 6	IBM Java 6
Java 7	Oracle JDK 7	IBM Java 7
Java 8 (*4)	Oracle JDK 8	IBM Java 8

- (\*1) Only Java Application Server utilizing 64-bit JDK's are supported
- (\*2) IBM WebSphere is supported with IBM Java SDK when applicable
- (\*3) SAP NetWeaver is supported with SAP JVM on all supported operating systems

# SAP BusinessObjects BI Platform 4.1

## IIS Support by Operating System (IOMS only)

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

Application Server	Version	Windows Server 2008	Windows Server 2008 R2	Windows Server 2012	Windows Server 2012 R2	Windows Server 2016
IIS	7	✓	-	-	-	-
	7.5	-	✓	-	-	-
	8	-	-	✓	-	-
	8.5	-	-	-	✓	-
	10	-	-	-	-	SP10+

# SAP BusinessObjects BI Platform 4.1

## Portal Server Support by Operating System

		Windows Server	Linux	AIX	Solaris
Portal Server	Version				
SAP Netweaver Enterprise Portal	7.0	✓	✓	✓	✓
	7.3	✓	✓	✓	✓
	7.31 SP4+	✓	✓	✓	✓
	7.40 SP2+	SP01+	SP01+	SP01+	SP01+
	7.50 SP5+ (*3)	SP09+	SP09+	SP09+	SP09+
	7.50 SP8+ (*3)	SP10+	SP10+	SP10+	SP10+
Oracle WebLogic Portal	10.3.4	✓	✓	✓	✓
	10.3.5	✓	✓	✓	✓
	10.3.6	✓	✓	✓	✓
	10.3.7	SP10+	SP10+	SP10+	SP10+
IBM Websphere Portal	7.0 (*4)	✓	✓	✓	✓
	8.0	✓	✓	✓	✓
	8.5	SP10+	SP10+	SP10+	SP10+
Microsoft SharePoint (*1)	2007 (*2)	✓	-	-	-
	2010 (*2)	✓	-	-	-
	2013	✓	-	-	-

- (\*1) Integration option for Microsoft SharePoint only
- (\*2) .NET 3.5 SP1
- (\*3) Limitations regarding Web service and Web Intelligence Applet issue, please refer to [SAP Note 2395738](#)
- (\*4) IBM Websphere Portal 7.0 has reached end of life. Please refer vendor's [documentation](#) for more information

# SAP BusinessObjects BI Platform 4.1

## CMS + Audit Repository Support by Operating System

(\*5) Only 64-bit database connector middleware is supported

Provider Name	Version	Database Connector (*5)	Windows Server <sup>(*10)</sup>	Linux <sup>(*10)</sup>	AIX <sup>(*10)</sup>	Solaris <sup>(*10)</sup>
IBM DB2 for Linux, UNIX, and Windows (*2)	9.7	DB2 Client 9.7	✓	✓	✓	(*6)
	10.1	DB2 Client 10.1	✓	✓	✓	(*6)
	10.5	DB2 Client 10.5	SP02+	SP02+	SP02+	(*6)
IBM DB2 Workgroup Edition	11.1	DB2 Client 11.1	SP10+	SP10+	SP10+	(*6)
	9.7	DB2 Client 9.7	✓	✓	✓	(*6)
	10.5	DB2 Client 10.5	SP06+	SP06+	SP06+	(*6)
Microsoft SQL Server	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	✓	-	-	-
	2014	Microsoft SQL Server Native Client 11	SP04+	-	-	-
	2016	Microsoft SQL Server Native Client 11	SP09+	-	-	-
Microsoft SQL Server Express	2008	Microsoft ODBC driver for SQL Server (WDAC 6)	✓	-	-	-
MySQL AB	5.6	MySQL C-API	✓	✓	✓	(*7)
Oracle (*3)	11gR1 (*11)	Oracle Net Client 11g R1	✓	✓	✓	✓
	11gR2	Oracle Net Client 11g R2	✓	✓	✓	✓
	12c	Oracle Net Client 12c	SP04+	SP04+	SP04+	SP04+
SAP HANA (*4)	SPS05		✓	✓	(*8)	✓
	SPS06		SP01+	SP01+	SP01+	SP01+
	SPS07		SP02+	SP02+	SP02+	SP02+
	SPS08		SP04+	SP04+	SP04+	SP04+
	SPS09 <sup>(*9)</sup>		SP04+	SP04+	SP04+	SP04+
	SPS10		SP08+	SP08+	SP08+	SP08+
	SPS11		SP08+	SP08+	SP08+	SP08+
	SPS12		SP09+	SP09+	SP09+	SP09+
	2.0 SPS 02		SP10+	SP10+	SP10+	SP10+
	SAP MaxDB	7.7	MaxDB ODBC 7.7 (7.7.07.20+)	✓	✓	✓
7.9		MaxDB ODBC 7.9	SP10+	SP10+	SP10+	SP10+
Sybase Adaptive Server Enterprise	15.5 (*11)	Sybase Open Client 15.5	✓	✓	✓	✓
	15.7	Sybase Open Client 15.7	✓	✓	✓	✓
	16	Sybase Open Client 16	SP04+	SP04+	SP04+	SP04+
Sybase SQL Anywhere (*1)	12.0.1	Sybase SQL Anywhere ODBC Driver 12.0.1	✓	✓	✓	✓
	16.0.0	Sybase SQL Anywhere ODBC Driver 16.0.0	SP08+	SP08+	SP08+	SP08+
SAP SQL Anywhere (*12)	17.0.0	Sybase SQL Anywhere ODBC Driver 17.0.0	SP09+	SP09+	SP09+	SP09+

- (\*1) Bundled on all supported platforms until SP09.
- (\*2) IBM DB2 for LUW v9.7 support requires fix pack 1 (or newer). HADR is supported with DB2 for LUW v9.7 and v10.1.
- (\*3) Oracle Real Application Cluster is supported.
- (\*4) To use SAP HANA 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.
- (\*6) IBM DB2 is not supported with Solaris 11.
- (\*7) MySQL AB 5.6 is not supported with Solaris 11.

- (\*8) HANA on AIX support requires at least HANA Revision 57.
- (\*9) Use HANA Revision 92 and above for SPS09
- (\*10) Operating system on which the BI platform is installed.
- (\*11) Oracle 11gR1 and Sybase Adaptive Server Enterprise 15.5 have reached end of life.  
Please refer vendor's documentation for more information.
- (\*12) SAP SQL Anywhere 17.0.0 bundled from SP10 onwards

# SAP BusinessObjects BI Platform 4.1

## Directory Server (LDAP) Support by Operating System

	Windows	Linux	AIX	Solaris
Directory Server (LDAP)				
IBM Tivoli Directory Server 6.2	✓	✓	✓	✓
IBM Tivoli Directory Server 6.3	✓	✓	✓	✓
Microsoft Active Directory 2008	✓	✓	✓	✓
Microsoft Active Directory 2008 R2	✓	✓	✓	✓
Microsoft Active Directory 2012 and 2012 R2 <sup>(*2)</sup>	✓	✓	✓	✓
Microsoft Active Directory 2016	SP10+	SP10+	SP10+	SP10+
Novell eDirectory 8.8	✓	✓	✓	✓
Oracle Internet Directory 10gR3 <sup>(*3)</sup>	✓	✓	✓	✓
Oracle Internet Directory 11gR1 and 11gR2 <sup>(*1)</sup>	✓	✓	✓	✓
Sun Java System Directory Server Enterprise 6.3	✓	✓	✓	✓

- (\*1) Oracle Internet Directory 11gR2 is supported by reference to 11gR1
- (\*2) Active Directory 2012 R2 is supported by reference to 2012
- (\*3) Oracle Internet Directory 10gR3 has reached end of life. Please refer vendor's [documentation](#) for more information.

# SAP BusinessObjects BI Platform 4.1

## Other Technology Support by Operating System [1/2]

		Windows	Mac OS
Technology	Technology Version		
Adobe Reader	Adobe Reader 10	✓	✓
	Adobe Reader 11	SP01+	SP01+
	Adobe Reader 12	SP07+	SP07+
	Adobe Reader 15	SP08+	SP08+
	Adobe Reader 17	SP09+	SP09+
Adobe Flash Player	Adobe Flash Player 11	✓	✓
	Adobe Flash Player 12	SP04+	SP04+
	Adobe Flash Player 13	SP05+	SP05+
	Adobe Flash Player 14	SP05+	SP05+
	Adobe Flash Player 15/16	SP06+	SP06+
	Adobe Flash Player 17	SP07+	SP07+
	Adobe Flash Player 21	SP09+	SP09+
	Adobe Flash Player 22	SP10+	SP10+
Microsoft Office <sup>(*1)</sup> <sup>(*2)</sup>	Microsoft Office 2007 SP3+	✓	-
	Microsoft Office 2010 SP1+	✓	-
	Microsoft Office 2013	✓	-
	Microsoft Office 2016	SP09+	-
	Office 365 <sup>(*3)</sup>	SP09+	-

• <sup>(\*1)</sup> Only 32-bit versions of Microsoft Office are supported <sup>(\*2)</sup> SPs of Microsoft Office that are higher than the minimum listed SPs are supported by reference <sup>(\*3)</sup> No support for integrating with Office 365 cloud offerings as such. Office 365 support is only for the version of Microsoft Office being supported



# SAP BusinessObjects BI Platform 4.1

## Other Technology Support by Operating System [2/2]

		Windows	Linux	AIX	Solaris
Technology	Technology Version				
Microsoft Active Directory	Microsoft Active Directory 2008 (including LDS support)	✓	-	-	-
	Microsoft Active Directory 2008 R2 (including LDS support)	✓	-	-	-
	Microsoft Active Directory 2012 / 2012 R2 <sup>(*2)</sup> (including LDS support)	✓	-	-	-
Microsoft .NET Framework	.NET Framework 3.5 SP1	✓	-	-	-
	.NET Framework 4.0 <sup>(*1)</sup>	✓	-	-	-
	.NET Framework 4.5	✓	-	-	-
Computer Associates Access Management	eTrust Siteminder 12.0	✓	✓	✓	✓
SAP GUI	SAP GUI 7.30	✓	-	-	-
	SAP GUI 7.40 <sup>(*3)</sup>	✓	-	-	-
	SAP GUI 7.50	SP09+			

Protocols and Mail servers supported :

•Protocols :

•SMTP –STARTTLS protocol

•SSL –TLS 1.0 protocol

•SMTP Mail Servers:

•xMail ver 1.21

•hMail

• (\*1) Compatible support with respect to .NET 3.5 SP1

• (\*2) Active Directory 2012 R2 is supported by reference to 2012

• (\*3) 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, 2.2.4 and 2.4 <sup>(\*2)</sup>

WebSEAL 6

Microsoft Internet Security and Acceleration (ISA) Server 2006 <sup>(\*1)</sup>

(\*1) Not supported for Mobile Server (\*2) Apache HTTP Server 2.4 is supported with BI 4.1 SP01 and above

# SAP BusinessObjects BI Platform 4.1

## Virtualization Technology Support

### 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 5.0 [Windows Server 2008]	✓
	XenApp 6.0 and 6.5 <sup>(*1)</sup> [Windows Server 2008 R2]	✓
	XenApp 7.5 [Windows Server 2012]	SP05+
Microsoft	Remote Desktop Services	✓
	Hyper V	SAP Note 1492000

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

# SAP BusinessObjects BI Platform 4.1

## Cloud Infrastructure Support

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SAP Business Intelligence 4.1 solutions can be deployed on cloud infrastructure for productive and non-productive purposes.

The following cloud infrastructure offerings are certified for deployment:

Cloud Infrastructure Offering	Additional Notes (for supported combinations, client/server components)
SAP HANA Enterprise Cloud (HEC)	
Amazon Web Services (AWS)	<a href="#">SAP Note 1656099</a>
Microsoft Azure Cloud	<a href="#">SAP Note 2145537</a>
IBM SoftLayer Cloud	<a href="#">SAP Note 2279688</a>

# SAP BusinessObjects BI Platform 4.1

## SAP BusinessObjects Analysis, edition for OLAP

### OLAP Server Support by Operating System

			Windows	AIX	Linux	Solaris
Provider Name	Version	Connectivity				
SAP BW	See SAP BW slide	BICS	✓	✓	✓	✓
Microsoft SQL Server Analysis Services	2008	XMLA	✓	✓	✓	✓
	2012	XMLA	✓	✓	✓	✓
	2014	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	v14.10	XMLA	✓	✓	✓	✓
	v15	XMLA	SP06+	SP06+	SP06+	SP06+
	V16	XMLA	SP10+	SP10+	SP10+	SP10+
Oracle Essbase	v11	JAPI	✓	✓	✓	✓
Oracle OLAP	v11.1.0.7 +	XMLA	✓	✓	✓	✓

# SAP BusinessObjects BI Platform 4.1

## SAP BW Minimum version per product<sup>(\*6)</sup> – overview

Please refer to [SAP Note 1869560](#), for details on the level of support for BEx query elements, and typical BEx query functionality for all BI client tools.

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+	BW 7.40 SPS 02+	BW 7.50 SPS 01+	BW 7.50 SPS 05+	BW 7.5 SPS08+
Web Intelligence	BICS (Dimensional Transient Universe)	✓	✓	✓	✓	✓	SP01+	SP07+	SP09+	SP10+
Crystal Reports for Enterprise		✓	✓	✓	✓	✓	SP01+	SP07+	SP09+	SP10+
Dashboards		✓	✓	✓	✓	✓	SP01+	SP07+	SP09+	SP10+
Web Intelligence	UNV OLAP	✓	✓	✓	✓	✓	SP01+	SP07+	SP09+	SP10+
Live Office		✓	✓	✓	✓	✓	SP01+	SP07+	SP09+	SP10+
Web Intelligence	Multi source universe (Relational)	✓	✓	✓	✓	✓	SP01+	SP07+	SP09+	SP10+
Crystal Reports Enterprise		✓	✓	✓	✓	✓	SP01+	SP07+	SP09+	SP10+
Dashboards		✓	✓	✓	✓	✓	SP01+	SP07+	SP09+	SP10+
Explorer		✓	✓	✓	✓	✓	SP01+	SP07+	SP09+	SP10+
Live Office		✓	✓	✓	✓	✓	SP01+	SP07+	SP09+	SP10+
Analysis, edition for OLAP <sup>(*1)</sup>	BICS (Direct to BEx)	✓	✓	✓	✓	✓	SP01+	SP07+	SP09+	SP10+
Analysis, edition for Microsoft Office <sup>(*2)</sup>		(*5)	(*5)	(*5)	(*5)	(*5)	(*5)	(*5)	(*5)	SP10+
Dashboards	BICS (NW BI Java)	✓	✓	✓	✓	✓	SP01+	SP07+	SP09+	SP10+
Explorer	BWA <sup>(*4)</sup>	✓	✓	✓	✓	✓	SP01+	SP07+	SP09+	SP10+
Crystal Reports for Enterprise	Direct to Data (D2D)	-	-	-	-	-	-	-	-	-
Crystal Reports 2013	Direct BW Connection	✓	✓	✓	✓	✓	SP01+	SP07+	SP09+	SP10+
BEx Web Applications <sup>(*3)</sup>	(Integrated with BI 4)	-	✓	✓	✓	✓	SP01+	SP07+	SP09+	SP10+

• <sup>(\*1)</sup> Analysis, edition for OLAP additionally supports BW 7.0 SPS29+, Please consult SAP Note **1686131 for specific version of BICS supports**

• <sup>(\*2)</sup> Analysis, edition for Microsoft Office standalone (not used with BI 4) supports any BW release as of 7.0 (no specific SP needed)

• <sup>(\*3)</sup> Please consult SAP notes 1541365 and 1476156

• <sup>(\*4)</sup> Explorer supports BWA Version 7.20, rev 19 and above

• <sup>(\*5)</sup> Please refer to the Analysis, edition for MSFT Office PAM for details

• <sup>(\*6)</sup> We support latest BW version with all supported BI 4.1 versions

# SAP BusinessObjects BI Platform 4.1

## BW/4HANA Minimum version per product - overview

Product	Connectivity	SAP BW4 HANA FP04	SAP BW4 HANA 1.0 SP03 +
Web Intelligence	BICS (Dimensional Transient Universe)	SP09+	SP09+
Crystal Reports for Enterprise		-	SP09+
Dashboards		SP09+	SP09+
Analysis, edition for OLAP	BICS (Direct to BEx)	SP09+	SP09+



# SAP BusinessObjects BI Platform 4.1

## SAP S/4HANA Minimum version per product - overview

Product	Connectivity	S/4HANA 1511 FPS1	S/4HANA 1511 FPS2	S4HANA 1610 FPS2
Web Intelligence	BICS (Dimensional Transient Universe)	✓	SP09+	SP09+
Crystal Reports for Enterprise		✓	SP09+	SP09+
Dashboards		✓	SP09+	SP09+
Live Office		✓	SP09+	SP09+
Analysis, edition for OLAP	BICS (Direct to BEx)	✓	SP09+	SP09+

# SAP BusinessObjects BI Platform 4.1

## SAP HANA Support per product - overview

Product	Connectivity	HANA SPS05	HANA SPS06	HANA SPS07	HANA SPS08	HANA SPS09	HANA SPS10	HANA SPS11	HANA SPS12	HANA 2.0 SPS01	HANA 2.0 SPS02
Web Intelligence	UNIX (Relational Universe)	✓	SP01+	SP02+	SP03+	SP03+	SP07+	SP08+	SP09+	SP09+	SP10+
Crystal Reports for Enterprise		✓	SP01+	SP02+	SP03+	SP03+	SP07+	SP08+	SP09+	SP09+	SP10+
Dashboards		✓	SP01+	SP02+	SP03+	SP03+	SP07+	SP08+	SP09+	SP09+	SP10+
Live Office (*4)		✓	SP01+	SP02+	SP03+	SP03+	SP07+	SP08+	SP09+	SP09+	SP10+
Explorer	Direct Connection (JDBC)										
	UNIX (Relational Universe)	✓	SP01+	SP02+	SP03+	SP03+	SP07+	SP08+	SP09+	SP09+	SP10+
Crystal Reports 2013	Direct Connection	✓	SP01+	SP02+	SP03+	SP03+	SP07+	SP08+	SP09+	SP09+	SP10+
Crystal Reports for Enterprise	Direct to Data	✓	SP01+	SP02+	SP03+	SP03+(*5)	SP07+	SP08+	SP09+	SP09+	SP10+
Analysis Edition for OLAP	Direct Connection (BICS)	(*2)	SP01+	SP02+	SP03+	SP03+(*3)	SP07+	SP08+	SP09+	SP09+	SP10+
Analysis Edition for Microsoft Office		(*1)	(*1)	(*1)	(*1)	(*1)	SP07+	SP08+	SP09+	SP09+	SP10+

- (\*1) Please refer to the Analysis, Edition for Microsoft Office PAM for details.
- (\*2) Please note that HANA SPS05 is only compatible with Analysis, Edition for OLAP in BI 4.1 SP02 and below.
- (\*3) If you are connecting from BI 4.1 SP04+ to HANA SP09, AOLAP needs a workaround ([refer SAPNote 2095297](#))
- (\*4) Range prompts not supported for relational UNIX created on HANA.
- (\*5) Refer to [SAPNote2181019](#) for limitations on Crystal Reports for Enterprise on SAP HANA SPS09.
- (\*6) All the currently supported BI 4.1 SPx support the latest HANA SPS, since HANA is backward compatible.

# SAP BusinessObjects BI Platform 4.1

## Data Access

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 Data sources](#)
- Notes:
- UNICODE is supported for all data sources, unless otherwise indicate in the Note of the attached file

### Crystal Reports for Enterprise – Direct to Data (D2D) Sources

- Please consult the file [CR Enterprise D2D Data Access](#)
- Notes:
- Crystal report for enterprise is a 32-bit application and need 32-bit database driver on client. 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 for enterprise requires the 64-bit ODBC driver on server. To administer 64-bit ODBC DSNs on 64 bit versions of windows, run the 64-bit ODBC Administrator, located here: C:\Windows\System32\odbcad32.exe

### Crystal Reports 2013 – Enterprise Data Sources

- Please consult the file [CR 2013 Data Access](#)
- Notes:
- Crystal 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 Platform 4.1

## Data Services and Information Steward

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Please refer to **SAP note 1740516** for information regarding the compatibility of Data Services and Information Steward.

# Appendix

# SAP BusinessObjects BI Platform 4.1

## Minimum HW Requirements - Windows

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### 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](http://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

### 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 Platform 4.1

## Minimum HW Requirements - Linux

---

### Minimum Server Hardware Requirements

#### For Evaluation Purposes:

CPU performance of at least 8000 SAPS

For single user , 16 GB RAM minimum

#### For Deployment:

Please refer to the [BI4 Sizing Companion Guide](#), located at [www.sap.com/bisizing](http://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 Platform 4.1

## Minimum OS Patch Requirements - Linux

---

### **Minimum Patch Level for SUSE Linux Enterprise Server 11**

No additional components required outside the SLES 11 RTM install.

### **Minimum Patch Level for SUSE Linux Enterprise Server 12**

No additional components required outside the SLES 12 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 3

### **Minimum Patch Level for Red Hat Enterprise Linux 6**

Required Red Hat 6 operating system install plus:

Red Hat Enterprise Linux 6 Update 2

### **Required components for Red Hat Enterprise Linux 6**

glibc-2.12-1.7-el6.i686 and libstdc++-4.4.4-13.el6.i686

**All OS versions:** Higher patches beyond the specified minimum patch level may be used.

# SAP BusinessObjects BI Platform 4.1

## Minimum OS Patch Requirements - Linux

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### Required components for Red Hat Enterprise Linux 7

compat-libstdc++-33-3.2.3-72.el7.i686

compat-libstdc++-33-3.2.3-72.el7.x86\_64

### Required components for Red Hat Enterprise Linux 7.2/ Linux 7.3

glibc.i686

glibc-common.x86\_64 // if using Red hat 32 bit machine, then install glibc-common.i686

libstdc++.i686

libgcc\_s.so.1

libstdc++.so.6

compat-libstdc++-33-3.2.3-72.el7.i686

compat-libstdc++-33-3.2.3-72.el7.x86\_64

libX11.i686

libX11.so.6

libXext-1.3.3-3.el7.i686

libXext-1.3.3-3.el7.x86\_64

libXext-devel-1.3.3-3.el7.x86\_64

libXext-devel-1.3.3-3.el7.i686

**All OS versions:** Higher patches beyond the specified minimum patch level may be used.

# SAP BusinessObjects BI Platform 4.1

## 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
Hebrew	he_IL.utf-8
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
Slovenian	SI_SI.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

# SAP BusinessObjects BI Platform 4.1

## Minimum HW Requirements - AIX

---

### **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](http://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 Platform 4.1

## Minimum OS Patch Requirements - AIX

---

### **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 => xIC.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 => xIC.aix61.rte 11.1.0.2

*Technology Level 4*

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

### **Minimum Patch Level for AIX 7.2**

Required AIX 7.2 operating system install plus:

*Technology Level 0 SP1*

IBM C++ Runtime Environment Components for AIX => xIC.aix61.rte:13.1.3.1

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



# SAP BusinessObjects BI Platform 4.1

## 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
Hebrew	he_IL.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
Slovenian	SL_SI.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 Platform 4.1

## Minimum HW and Patch Requirements - Solaris

---

### **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](http://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.

### **Minimum Patch Level for Solaris 11**

Required Solaris 11 operating system install (Solaris 11 11/11)

Please refer to the BI Platform install guide for the list of required packages for Solaris 11

### **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 Platform 4.1

## 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
Hebrew	he_IL.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
Slovenian	sl_SI.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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