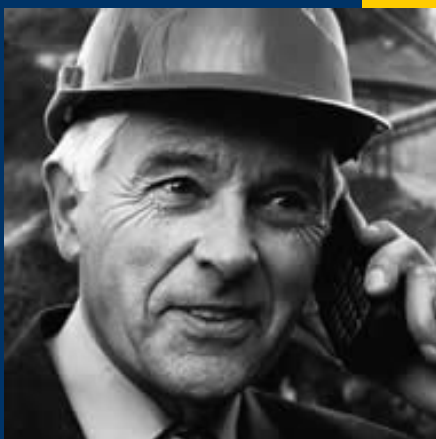# SAP Business One

System Requirements

Version 3.0

December 2009

THE BEST-RUN BUSINESSES RUN SAP™

SAP

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Some components of this product are based on Java™. Any code change in these components may cause unpredictable and severe malfunctions and is therefore expressly prohibited, as is any decompilation of these components.

Any Java™ Source Code delivered with this product is only to be used by SAP's Support Services and may not be modified or altered in any way.

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Introduction

This document details hardware and software requirements for the SAP Business One full product version within a typical client-server configuration and within hosted environments. In addition, the document details memory requirements for SAP add-ons.

Caution:

Before you start the implementation, make sure you have the latest version of this document. You can find the latest version in the **SAP Channel Partner Portal** at the following internet address:

http://channel.sap.com/sbo/documentation.

Note:

* You can find an overview of the latest released platform versions in the **SAP Channel PartnerPortal** at the following internet address: http://channel.sap.com/sbo/platforms

* Additional information on best-practices regarding system setup and sizing can be found in the **Best-Practice System Setup and Sizing Document** at

http://service.sap.com/~form/sapnet?_SHORTKEY=01100035870000706968&_SCENARIO=011000358700 00000183&_ADDINC=01100035870001192682007E&_OBJECT=01100035870001077772007

Document History

The following table provides an overview on the most important document changes.

Version	Date	Description
1.0	03/13/2008	Initial version
2.0	08/26/2008	Addition of Windows XP in "Supported workstation platforms" and VMWare ESX 3.0 - in the "Supported server platforms"
2.0	01/21/2009	Addition of Microsoft® Windows Server 2008 in "Supported server platforms"
2.0	03/11/2009	Addition of Microsoft® SQL Server 2008 in "Supported database platforms"
3.0	04/01/2009	Addition of VMWare ESX 3.5 in the "Supported server platforms" and SAP Business One 8.8 requirements
3.0	05/04/2009	Addition of Microsoft® Windows Small Business Server 2008 in the "Supported server platforms"
3.0	06/02/2009	Addition of Citrix XenApp™ 5 in the "Supported server platforms"
3.0	12/03/2009	Additional Information of Microsoft® Windows Server 2008 R2 and VMware ESX 4.0 in the "Supported server platforms" and Windows 7 in the "Supported workstation platforms"

Hardware requirements

This section lists the hardware requirements for SAP Business One.

Minimal hardware requirements for non-hosted environments

The table below lists the minimum hardware requirements for SAP Business One servers.

Component	2005 Release	2007 Release	8.8 Release	Notes and Comments
Processor	1x Intel Pentium 4 (or equivalent)	1x Intel Pentium 4 (or equivalent)	1x Intel Pentium 4 (or equivalent)	Note: Dual-core processors are supported by SAP Business One on both client side and server side.
Memory	1GB	1GB	1GB	Note: For over 10 users, please refer to the **Best-Practice System Setup and Sizing Document** for further information.
Free Hard Disk	System partition 0.5 GB	System partition 0.5 GB	System partition 0.5 GB	
	Data partition 2 GB	Data partition 2 GB	Data partition 2 GB	
Drive	DVD-ROM	DVD-ROM	DVD-ROM	
Display	640X 480 with 256 colors or higher	640 X 480 with 256 colors or higher	640 X 480 with 256 colors or higher	

The table below lists the minimum hardware requirements for SAP Business One Workstations.

Component	2005 Release	2007 Release	8.8 Release	Notes and Comments
Processor	1x Intel Pentium 3 (or equivalent)	1x Intel Pentium 3 (or equivalent)	1x Intel Pentium 4 (or equivalent)	Note: Dual-core processors are supported by SAP Business One on both client side and server side.
Memory	128 MB	256 MB	1GB	Note: Some add-ons may require additional memory. For specific requirements, contact your solution provider. Note: The Vista operating system requires a hardware upgrade. Please refer to the **Best-Practice System Setup and Sizing Document** for details. Recommendation: Memory consumption for Add-ons can be significantly reduced using a new connection interface in SDK 2007 A.
Hard disk Drive	512 MB	512 MB	System partition 1 GB Data partition 0.5 GB	
	DVD-ROM	DVD-ROM	DVD-ROM	
Display	800 x 600 with 24-bit colors or higher	800 X 600 with 24-bit colors or higher	800 X 600 with 24-bit colors or higher	

RAM requirements for SAP add-ons

The table below lists the RAM requirements for SAP add-ons.

Add-On	2004 Release	2005 Release	2007 Release	8.8 Release
Copy Express	Not available	60MB~90MB	60MB~90MB	25MB~80MB*
DATEV	60MB~110MB	60MB~110MB	60MB~110MB	25MB~70MB*
ELSTER	50MB~70MB	50MB~70MB	50MB~70MB	30MB~50MB*
Fixed Assets	90MB~300MB	90MB~300MB	90MB~300MB	70MB~260MB
Intrastat	60MB~200MB	60MB~200MB	60MB~200MB	25MB~150MB*
Outlook Integration	80MB~100MB	80MB~100MB	80MB~100MB	30MB~70MB*
Payment Engine (including Cash & Bank)	130MB~160MB	140MB~170MB	130MB~160MB	110MB~130MB*
Format Definition	Not available	Not available	40MB~80MB	10MB~30MB
Stampit	80MB~110MB	80MB~110MB	Discontinued	Discontinued
Support Tools	60MB~80MB	60MB~80MB	Note: The Support Tools Add-On has been completely integrated into SAP Business One.	Note: The Support Tools Add-On has been completely integrated into SAP Business One.
Advanced Layout Designer	110MB~120MB	110MB~120MB	110MB~120MB	Discontinued
BC Sets	60MB~70MB	50MB~60MB	Not available Note: As of the 2007 release, the BC Sets Add-On has been replaced by the Copy Express Add-On.	Not available Note: As of the 2007 release, the BC Sets Add-On has been replaced by the Copy Express Add-On.
XL Reporter	300MB~400MB	300MB~400MB	Note: The XL Reporter Add-On has been completely integrated into SAP Business One in version 2007.	Note: The XL Reporter Add-On has been completely integrated into SAP Business One in version 2007.
BTHF	Not available	Not available	10MB~15MB	10MB~15MB*

* Use Multiple Add-on Mechanism to share DI connection through UI API

Hardware requirements for hosted environments

The table below lists the minimum hardware requirements for hosted environments.

RAM Requirements
CITRIX XenApp Edition or Windows Terminal Services hardware requirements, as stipulated by the manufacturer.
Per user: ■ SAP Business One application – 60MB~80MB ■ Citrix Client Session – For recommended requirements, refer to Citrix documentation ■ Each DI API Add-On using Multiple Add-on Mechanism adds a minimum of 25MB (first lauched add-on adds a minimum of 60MB). For recommended requirements, contact your solution provider.

Example:

Your system is required to run:

■ 4 SAP add-ons

■ 1 solution add-on

■ 10 SAP Business One users

Calculate the required memory as follows:

■ All add-ons require 60MB x 1 SAP add-on + 25MB x 3 SAP add-ons + 60MB x 1 solution add-on = **200MB~300MB** for all five add-ons

■ Each user requires 60MB~80MB (application) + 200MB~300MB (Add-ons) + 40MB~50MB (Citrix session) = 300MB~430MB x 10 users = **3GB– 4GB** in total

Supported dot-matrix printers

The following dot-matrix printers are supported by SAP Business One.

■ Citizen PROdot 300

■ Epson FX-880

■ OKI MICROLINE 320 Elite

Note:

SAP Business One does not support integrated printers (printer / fax / scanner / copier combined machines).

Software requirements

This section lists the software requirements for SAP Business One.

Note:

■ Only the English platform versions are supported. Operating systems in other languages are supported as long as the issue is not specific to the operating system in a particular language

■ Effective immediately, SAP will test only major versions of Microsoft's operating systems, databases and Office software products. Service Packs delivered by Microsoft in the course of a product's lifecycle will no longer be tested separately, but will automatically be officially supported for SAP Business One.

■ If a customer or partner encounters an issue with any of the Microsoft product Service Packs, SAP will solve this issue on a case-by-case basis as a bug (historically low rate of occurrence).

Supported database platforms

The table below lists the supported database platforms.

Supported Database Platforms	2005 Release	2007 Release	8.8. Release
Microsoft® SQL Server 2008[8] 32-bit/ 64-bit (x64) Express, Workgroup, Standard & Enterprise Edition Note: Please read the Hardware and Software Requirements for Installing SQL Server 2008 as outlined by Microsoft® Corp. Note: SAP Business One Web tools 6 (aka SAP Business One E-Commerce and Web CRM) is not supported under Microsoft® SQL Server 2008.		X[6,7]	X[7]
Microsoft® SQL Server 2005 Standard/Enterprise Edition 32-bit/64-bit (only on Windows 2003 Server) or Microsoft® SQL Server 2005 Express/Workgroup[3] Edition 32-bit	X[4,5]	X[5]	X
Microsoft® SQL Server 2000 Standard/Enterprise Edition	X	X[1]	
IBM DB2 Express 8.2 FixPak 2	X		
IBM DB2 Express 9.1 FixPak 2		X[2]	

(1) Caution: Only for upgrading customers and until end of maintenance program — April 2008.

(2) Supported as of 2007 A PL11.

(3) SQL Server 2005 Workgroup Edition is only supported with Windows Small Business Server (SBS) 2003 and only in 32-bit mode.

(4) This is relevant as of the SAP Business One 2005 SP 01 release, and only on Windows 2003 Server operating systems. This applies to all 2003 server versions including SBS.

(5) As of SAP Business One Release 2007 A PL39 and 2007 B PL04, the application supports Microsoft SQL Server 2005 Express Edition. Before installing, make sure that you carefully read the Installation Guide for 2007 A / 2007 B on MS SQL Server 2005 Express Edition, also published in the Documentation Resource Center, and consider the system limitations with respect to database size, productive users, and more.

(6) Supported as of 2007 A PL47 and 2007 B PL10

(7) Note: SAP Business One Web tools 6 (aka SAP Business One E-Commerce and SAP Business One Web CRM) is currently not supported on SQL 2008.

(8) Windows Server 2008 R2 only supports SQL Server 2005 Service Pack 3 and SQL Server 2008 Service Pack 1 and later versions.

Note: SAP Business One does not support Itanium-based 64-bit (ia64) server platforms or any other UNIX derivates.

Supported server platforms

The table below lists the supported server platforms.

Supported Server Platforms	2005 Release	2007 Release	8.8. Release
Microsoft® Windows Server 2003 R2 Standard / Enterprise 32-bit / 64-bit editions Note: Including Windows Terminal Services[7].	X[1]	X	X
Microsoft® Windows Server 2003 Standard / Enterprise 32-bit / 64-bit editions Note: Including Windows Terminal Services[7].	X[2]	X[3]	X
Microsoft® Windows Small Business Server 2003 R2 Standard / Premium 32-bit editions	X[4]	X	X
Microsoft® Windows Small Business Server 2003 Standard / Premium 32-bit editions	X	X	X
Microsoft® Windows Small Business Server 2008 Standard / Premium 64-bit editions[14]		X[13]	X
Microsoft® Windows Server 2008 Standard / Enterprise 32-bit / 64-bit editions		X[11]	X
Microsoft® Windows Server 2008 R2 [16] - 64 Bit (x64) [17] Note: Including Windows Terminal Services[7]. - Standard & Enterprise Edition	planned	planned	planned
Microsoft® Windows XP Professional 32-bit editions	X[5,9]	X[5,10]	X[5]
Microsoft® Windows Vista Business / Enterprise / Ultimate Edition 32-bit		X[5]	X[5]
Microsoft® Windows Vista Business / Enterprise / Ultimate Edition 64-bit		X[5,15]	X[5]
Citrix XenApp™ Edition 4.0[6] [7] Advanced, Enterprise	X	X[3]	
Citrix XenApp™ Edition 4.5[12] Advanced, Enterprise	X	X[3]	
Citrix XenApp™ Edition 5.0 Advanced, Enterprise & Platinum			X
VMware ESX 3.0		X[8]	X
VMware ESX 3.5		X[13]	X
VMware ESX 4.0		planned[18]	planned[18]

(1)   Supported as of 2005 A SP01 PL16, Add-Ons 2005 SP01 PL50 and 2005 B PL10.
Exception: XL Reporter 2005 SP01 supports 64-bit mode as of its PL30.

(2)   Supported as of 2005 A SP01 PL19, Add-Ons 2005 SP01 PL50 and 2005 B PL10.
Exception: XL Reporter 2005 SP01 supports 64-bit mode as of its PL30.

(3)   Supported as of 2007 A PL03.

(4)   Supported as of 2005 SP01 PL27 and 2005 B PL25.

(5)   For standalone installations only.

(6)   Supported statement of Citrix XenApp Edition 4.0 is based on the SAP Business One on Citrix XenApp Edition – Deployment Considerations guide by Citrix Systems, Inc.

(7)   For details on how to install XL Reporter 2005 or XL Reporter 2007 automatically using terminal services, such as Windows Terminal Services or Citrix XenApp Edition, please refer to the Software Download section on the XL Reporter Landing Page.

(8)   Supported as of 2007 A PL35
The confirmation for 2007 B is still pending and will be announced when available

(9)   Supported as of 2005 A SP01 PL46 and 2005 B PL42

(10) Supported as of 2007 A PL37 and 2007 B PL05

(11) Supported as of 2007 A PL46 and 2007 B PL09

(12) Note: At this point in time, support of Citrix XenApp (Presentation Server) 4.5 has only been confirmed for the SAP Business One 2005 track, for the SAP Business One 2007 track as well as for XL Reporter 2005 and XL Reporter 2007. Confirmation of support for the remaining SAP Business One Add-Ons provided by SAP is expected to be given shortly.

(13) Supported as of 2007 A PL47 and 2007B PL10

(14) Unlike previous versions of Windows SBS, Windows SBS 2008 requires 64-bit hardware. However, if you purchased the Windows SBS 2008 Premium Edition, your second server can be a 32-bit or a 64-bit processor architecture.

(15) Supported as of 2007 A PL45 and 2007B PL08

(16) According to Microsoft® Corp., Windows Server 2008 R2 only supports SQL Server 2005 Service Pack 3 and SQL Server 2008 Service Pack 1 and later versions.

(17) Microsoft® Corp. has announced that Windows Server 2008 is the last 32-bit Windows operating system. Therefore, support for 32-bit processors (x86) has been removed from Windows Server 2008 R2.

(18) Support of VMware ESX Version 4.0 is planned to be provided in **Q1/2010**.

Note: SAP Business One does not support Itanium-based 64-bit (ia64) server platforms or any other UNIX derivates.

Supported workstation platforms

The table below lists the supported workstation platforms.

Supported Workstation Platforms	2005 Release	2007 Release	8.8 Release
Microsoft® Windows XP Professional Edition 32-bit	X[2]	X[3]	X
Microsoft® Windows Vista Business / Enterprise / Ultimate Edition 32-bit		X[1]	X
Microsoft® Windows Vista Business / Enterprise / Ultimate Edition 64-bit		X[3]	X
Microsoft® Windows 7 - 32 Bit / 64 Bit - Professional, Enterprise & Ultimate Edition		planned[4]	planned[4]

(1)   Supported as of 2007 A PL03

(2)   Supported as of 2005 A SP01 PL46 and 2005 B PL42

(3)   Supported as of 2007 A PL37 and 2007 B PL05

(4)   Support of Windows 7 with the **SAP Business One 2007 release track** is planned to be provided in **Q1/2010**. For **SAP Business One 8.8**, support of Windows 7 is planned to be provided in **Q2/2010**.

Supported desktop applications

The table below lists the supported desktop applications.

Supported Desktop Platforms	2005 Release	2007 Release	8.8. Release
Microsoft® Office 2007 Standard / Professional editions	X[1]	X[2]	X
Microsoft® Office 2003 Standard / Professional editions	X[3]	X	X

(5)   XL Reporter 2005 supports Microsoft® Office 2007 as of XL Reporter 2005 SP01 PL30.

(6)   XL Reporter 2007 supports Microsoft® Office 2007 as of Business One 2007 A PL08.

Outlook Integration 2005 supports Microsoft® Office 2007 as of SAP Business One 2005A SP01 PL32

Additional Software requirements

The table below lists the software requirements for servers.

Software Requirements Server
Microsoft® Internet Explorer 6.0 or higher
Microsoft® Data Access Components 2.6 (MDAC) or higher
Microsoft® .NET SDK Note: Only for systems running the IBM DB2 Universal Database Express edition

The table below lists the software requirements for clients.

Software Requirements Client
Microsoft® Internet Explorer 6.0 or higher
Microsoft® Data Access Components 2.6 (MDAC) or higher
Note: To send faxes from SAP Business One, it is recommended to install Microsoft® Fax Services. Symantec WinFax Pro 10.0 is no longer supported by Symantec, but may be used with SAP Business One if it is already installed.