



System requirements for IS SAP Business One version 10.0

This document describes the **minimum system requirements** for a new installation and operation of SAP Business One.

Due to the constant development in the segment of information technology and the time shift from the publication of technical conditions for individual infrastructure systems, it is necessary to take into account the fact that the listed system requirements assume the installation and operation of only the ERP system SAP Business One, without taking into account the fact that the deployment of IS can be combined with other services (terminal services, file services, postal services, etc.) and applications, which do not have to reflect the above requirements, but it is necessary to take them into account in the comprehensive design of communication and technical infrastructure.

The list of supported system platforms is continuously updated with those that the IS manufacturer approves for deployment, as well as those for which it has deprecated support.

Only operating systems, DBMS and office suites that do not have terminated support from the SW provider are supported for installation.

Other technical conditions (data and power backup, antivirus protection, etc.), as well as higher availability of the solution (terminal farm, extended services, etc.) must be designed in each case individually!

HW and SW prerequisites for SAP Business One

To ensure the operation of the system and the availability of its functionality, it is necessary to comply with the following minimum technical and technological parameters of the system defined by the IS manufacturer.

1. Basic HW and SW configuration of the server:

Number of users	CPU	RAM	HDD minimum required free space
3 – 20	2x Intel Pentium Xeon E3 (or equivalent)	24GB~128GB	System part: 30 GB SSD
21 – 75	4x Intel Pentium Xeon E3 (or equivalent)		Data part: 60 GB SSD (optimal disk setup: RAID10)
75 +	6x Intel Pentium Xeon E3 (or equivalent)		

! With the growing number of databases and their size, higher demands will be placed on the hardware.

Software:

Server Platforms	Database Platforms	Other System Requirements
MS Windows Server 2019 Essentials / Standard / Datacentre, x64	MS SQL Server 2016 Standard / Enterprise, x64	MS .NET Framework 3.5, 4.8 MS Data Access Components (MDAC) 2.6 or higher
MS Windows Server 2022 Standard / Datacentre, x64	MS SQL Server 2017 Standard / Enterprise, x64	
MS Windows Server 2025 Standard / Datacenter, x64	MS SQL Server 2019 Standard / Enterprise, x64	
	MS SQL Server 2022 Standard / Enterprise, x64	

2. Remote Access / Terminal Services

Supported environments:

- Citrix XenApp
- Windows Terminal Services

The hardware requirements for the environment itself are defined by the SW manufacturer.

! Based on practical experience, making an application installed in a hosted environment available through RemoteApp carries the risk of reducing user comfort when working with the application and also limits the availability of some nested functions.

SAP Business One requirements in a hosting environment:

CPU	RAM	HD Free Space
There are 5-8 competing SAP Business One users per 1 physical CPU, in the case of virtualization, there are max. 5 users per vCPU	16 GB system + 1.5 GB /user	10 GB system 1.5 GB+ /user profile

Bandwidth for SAP Business One:	Response and bandwidth requirements for
Each concurrent user accessing Citrix or WTS sessions over WAN requires an external bandwidth of at least 0.5 Mbps.	<p>!!! All components of the SAP Business One system must be installed on the "same LAN" (local area network), and the response time in the network should be as low as possible (<1 ms).</p> <p>"Same LAN" means:</p> <ul style="list-style-type: none"> - Sufficient bandwidth > 100Mbps - Low response time of <1 ms - Same WINS server - Same local DNS server, if configured - Same AD server if AD is used

! Placing the client and server in different locations (e.g. VPN access, different vLAN) can have a significant impact on the performance as well as availability of the application due to latency or network configuration, **so such configuration is not supported**. The client's response to servers in the network should be as low as possible (<1 ms).

! Connecting via remote access does not include additional demands and requirements for connectivity and sharing of Internet access bandwidth.

! SAP Business One does not support the ia64-bit architecture.

! The server configuration applies to a server that is dedicated to SAP Business One, when using other applications, this configuration is the default.

3. Workstation

Hardware	Supported OS:	Other system requirements:
CPU: 1x Intel Core i3 (or equivalent) RAM: 4~8 GB HD Free Space: System Part: 10 GB, Data Part: 10 GB Display: 1280x800 resolution with 24-bit colours and higher	MS Windows 10 Professional / Enterprise, x64 MS Windows 11 Professional / Enterprise, x64	MS .NET Framework 3.5, 4.8 MS Data Access Components (MDAC) 2.6 or higher
Supported Internet Browsers for WEB Browser Access	Supported office packages:	
Microsoft Edge Google Chrome from version 47 Mozilla Firefox from version 41 Apple Safari	MS Office 2016, 2019, 2021 Home / Business / Professional MS Office 365	

Local PC users' minimum rights: "PowerUser", recommended: "Administrator"

! The configuration applies to the correct operation of the SAP Business One application, when using other applications, it is necessary to consider the requirements of other applications.

4. Other requirements

4.1. Web Client

Web Client for SAP Business One is a web-based interface that allows users to access and interact with SAP Business One through a web browser. It works as an alternative to the traditional SAP Business One desktop application.

If this possibility of use is also considered, it is necessary to consider the increased demands on processor power and RAM of the server.

4.2. LAN

Network infrastructure: 1000 Mbps+

4.3. Printing

SAP Business One uses the printing environment of the operating system.

When using terminal printing, printers must have signed drivers for the specific terminal server operating system used.

4.4. Virtualization Platforms

SAP does not issue statements of support for SAP Business One in virtualization software because the responsibility for operating system compatibility lies with virtualization software vendors.

SAP Business One is supported by all virtualization technologies that support operating systems designed for SAP Business One, with the exception of virtualization platforms based on the Linux virtualization module KVM (Kernel-based Virtual Machine), on which SAP Business One cannot be reliably installed.

! Virtualization involves creating virtual environments in a physical machine, which can add some overhead to the system and can potentially reduce the performance of the target system as well. However, the benefits of virtualization often outweigh the impact on performance, as it allows for better resource management and can increase overall system flexibility.

The virtualization solution and performance optimization of systems in the virtual environment is fully under the control of IS administrators.

Abbreviations and terms

Abbreviation	Meaning
AP, DB, FS, TS	AP-Application, DB-DB Server, FS-File Server, TS-Terminal Server
CPU	Central Processing Unit; processor, microprocessor
DB	database; database, database
DBMS	Database Management System; Database server
HDD	Hard Disk Drive; hard disk
MS	Microsoft
AXIS	Operating system; operating system
PC	Personal Computer; personal computer
RAM	Random Access Memory, here meaning operating memory
WSL	Windows subsystem for Linux

Notes:

The document is based on the following documents published by SAP:

https://help.sap.com/doc/011000358700000032462013e/9.3/en-US/B1_Platform_Support_Matrix.pdf
https://help.sap.com/docs/SAP_BUSINESS_ONE/a3cf282c8efe47c393a57c5eb8622c96?locale=en-US&state=PRODUCTION&version=10.0