

System and hardware requirements ●

Abacus Business Software 2025 Release **15.02.2025**

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|----------------|-------------|
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1. Systems on which the Abacus ERP software can be installed

1.1 Operating systems for single-user installations

| Operating system | Editions |
|--|-----------------------|
| <ul style="list-style-type: none"> Windows 11 | Home, Pro, Enterprise |

macOS & Server operating systems are **not** supported!

Specifications

- Hardware:** At least 12 GB of RAM (**net** for Abacus), at least DualCore x64 Intel/AMD processors
- Database:** FairCom DB
- Access:** abamenu.exe or AbaClient version 4.0 and above

1.2 Operating systems for server installations

| Operating system | Editions |
|--|-----------------------------------|
| <ul style="list-style-type: none"> Windows Server 2022 & 2025 | Essentials, Standard, Data center |
| <ul style="list-style-type: none"> Ubuntu Linux | 22.04 LTS, 24.04 LTS |
| <ul style="list-style-type: none"> Suse Linux Enterprise Server | SLES 15 SP4 – SP7 |

Windows 10 / 11, Windows Server <= 2019, Citrix, macOS, Ubuntu Linux <= 20.04 LTS are **not** supported!

Specifications

- Hardware:** At least 16 GB of RAM (**net** for Abacus)
- Prozessoren:** At least **QuadCore** x64 Intel Xeon Gold/Platinum from 2.6 GHz or AMD EPYC from 2.4 GHz
- Storage: SSD from 6'500 IOPS**, we recommend referring to [KB-10141](#)
- Database:** FairCom DB, MS SQL only on request during new installations
- Access:** Remote access via AbaClient, version 4.0 and above, server access via abamenu.exe or AbaClient



Memory: The planning and calculation of hardware requirements for the use of our software is carried out **exclusively in consultation and cooperation with the responsible sales partner**. Please note that the hardware recommendations listed here are to be understood as **guidelines**. A binding assessment of the system requirements and individual advice will be provided during project planning in cooperation with your sales partner.

Memory for AbaPortalServer and AbaApplicationServer: Calculations can be found on page 3 and 4.

2. AbaClient

The AbaClient uses the JxBrowser from [TeamDev](#). In order for the AbaClient to run on a system, the operating system must support the JxBrowser. The system requirements for the JxBrowser can be found under the following link:

<https://teamdev.com/jxbrowser/docs/guides/introduction/requirements/>



Download AbaClient: <https://downloads.abacus.ch/en/downloads/abaclient/>

3. Load Balancing

For Load Balancing, 2 GB RAM must be added for each additional instance (AbaApplicationServer / AbaPortalServer / AbaReportServerPhoenix).

4. AbaScan OCR recognition

If the new AbaScan Pro is not used, we recommend at least 3GHz processors for OCR recognition. For more information about AbaScan Pro, please contact AbaScan Support.

5. iOS MyAbacus and Abacus ERP Browser Edition

To run MyAbacus and Abacus ERP smoothly on iOS devices in the Browser Edition, you need **at least iOS 16** or higher. iOS 15 and older versions will **no longer** be supported from Abacus version 2025 onwards! Please also note the information on our [Partner Portal](#).

6. Calculation examples

6.1 AbaPortalServer

The memory can be increased in the Abacus Configurator and the sessions can be checked in AbaMonitor. Activate service monitoring for the AbaPortalServer if you are using ULC-AbaMonitor.

6.1.1 MyAbacus

| Sessions | Memory | In addition to basic memory |
|----------|------------------|-----------------------------|
| 0-100 | 768 MB (Default) | 0 MB |
| 101-150 | 1024 MB | 256 MB |
| 151-300 | 2048 MB | 1280 MB |
| 301-500 | 4096 MB | 3328 MB |
| 501-1000 | 8192 MB | 7424 MB |

6.1.2 Browser edition (please also note [KB-9968](#))

| Sessions | Memory | In addition to basic memory |
|----------|------------------|-----------------------------|
| 0-50 | 768 MB (Default) | 0 MB |
| 51-75 | 1024 MB | 256 MB |
| 76-150 | 2048 MB | 1280 MB |
| 151-250 | 4096 MB | 3328 MB |
| 251-500 | 8192 MB | 7424 MB |

6.2 AbaApplicationServer

Memory recommendation for the AbaApplicationServer service:

| ULC sessions | Memory | In addition to basic memory |
|--------------|------------------|-----------------------------|
| 0-60 | 768 MB (Default) | 0 MB |
| 61-80 | 1024 MB | 256 MB |

Load balancing should be considered from 60 ULC sessions. The memory can be increased in the Abacus Configurator. The ULC sessions can be checked in the AbaMonitor.

7. Vaadin AbaMenu

Starting with Abacus version 2025, you will also have access to the Vaadin AbaMenu. The new menu runs under Vaadin, which results in a shift of the session to the AbaPortalServer. This means that every Vaadin AbaMenu started in the ERP is counted as 1 session on the AbaPortalServer service. If 10 users start the ERP, this corresponds to 10 MyAbacus sessions.

8. Calculation examples for load balancing

| Instances | Net for Abacus |
|---|----------------|
| 1 AbaApplicationServer*, 1 AbaPortalServer*, 1 AbaReportServerPhoenix | 16 GB |
| 2 AbaApplicationServer*, 1 AbaPortalServer*, 1 AbaReportServerPhoenix | 18 GB |
| 2 AbaApplicationServer*, 2 AbaPortalServer*, 1 AbaReportServerPhoenix | 20 GB |
| 2 AbaApplicationServer*, 2 AbaPortalServer*, 2 AbaReportServerPhoenix | 22 GB |

* If the memory for the AbaPortalServer was increased according to point 6.1 and for the AbaApplicationServer according to point 6.2, the memory for this must be added accordingly.