CLIENT PC/SERVER REQUIREMENTS

IMAGIC IMS V24 WITH NETWORK SOLUTION

Purpose of document

Our experience has proven that an early involvement of the IT department in the purchasing process of an Imagic Image Management System ("IMS") is highly beneficiary for an efficient implementation process.

The aim of this document is to give the IT department a first overview of the IT infrastructure required for smooth functioning of IMS. After an order has been placed an Imagic Support Engineer will contact the customer's IT department for a detailed planning of the installation.

Recommended configuration for Image Acquisition Client PC

Processor:	Newer generation with 4-Core or more (e.g. Intel Core i7-11700 3.60 GHz or Intel Core i5-10505 3.20 GHz)
Main Memory:	≥ 16 GB RAM
Graphics Adapter:	Self-contained graphics adapter with resolution ≥ 1920x1080 pixels (Full HD) and ≥ 1024 MB video memory
Monitor:	Resolution 1920x1080 pixels (Full HD), format 16:9 or resolution 1920x1200 pixels (WUXGA), format 16:10

Please note: *For Image Acquisition Client PC performing e.g. X-Y scanning and stitching functions, image analysis, large reports or other complex operations we recommend ≥ 32 GB main memory (RAM) and a graphics adapter with resolution ≥ 1920x1080 pixels (Full HD) and ≥ 2048 MB video memory*

Recommended configuration for Office Client PC

Processor:	Newer generation with 4-Core or more (e.g. Intel Core i5-10505 3.20 GHz)
Main Memory:	≥ 8 GB RAM
Graphics Adapter:	Self-contained graphics adapter with resolution ≥ 1920x1080 pixels (Full HD) and ≥ 512 MB video memory
Monitor:	Resolution 1920x1080 pixels (Full HD), format 16:9 or resolution 1920x1200 pixels (WUXGA), format 16:10

Please note: *For Office Client PC performing e.g. image analysis, large reports or other complex operations we recommend ≥ 8-16 GB main memory (RAM) and a graphics adapter with resolution ≥ 1920x1080 pixels (Full HD) and ≥ 1024 MB video memory*

Other recommendations for an Image Acquisition- or Office Client PC

- **Operating System:** Windows 11 Enterprise / Pro (64-Bit)
  Windows 10 Enterprise / Pro (64-Bit)

- **Microsoft Office:** Microsoft Office 365 desktop versions (64-Bit or 32-Bit, recommended 64-Bit)
  Microsoft Office 2021 (64-Bit or 32-Bit, recommended 64-Bit)
  Microsoft Office 2019 (64-Bit or 32-Bit, recommended 64-Bit)

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Recommended configuration for IMS Application Server

Processor:	Newer generation with 4-Core or more (e.g. Intel Xeon E5-2403 4-Core 1.8 GHz)
Main Memory:	≥ 16 GB RAM
Software:	Windows Server 2016 (64-Bit), Windows Server 2019 (64-Bit) or Windows Server 2022 (64-Bit) with current service packs

Please note: *Depending on database size and the numbers of concurrent client sessions we recommend a higher configuration (for specific details please contact your sales engineer)*

Recommended configuration for Database Server

Processor:	Newer generation with 4-Core or more (e.g. Intel Xeon E5-2403 4-Core 1.8 GHz)
Main Memory:	≥ 8 GB RAM
Software:	Windows Server 2016 (64-Bit), Windows Server 2019 (64-Bit) or Windows Server 2022 (64-Bit) with current service packs SQL Server 2016 / 2017 / 2019 / 2022 Standard Edition (*The free SQL Server Express Edition can also be used for smaller network solutions and database sizes up to approx. 70'000 records) (**Oracle 19c or 21c are also supported for larger network solutions and unlimited database sizes)

Please note: *Depending on database size and the number of concurrent database sessions we recommend a higher configuration (for specific details please contact your sales engineer)*

Recommended configuration for File Server

As file server we recommend a physical server or a NAS (Network Attached Storage System) with the highest possible network speed (ideally Gigabit-Ethernet), as well as with the best possible single disk performance

IMS Client/Server Concept

We recommend at least a LAN with ≥ 100 Mbit/s and latencies ≤ 50 ms

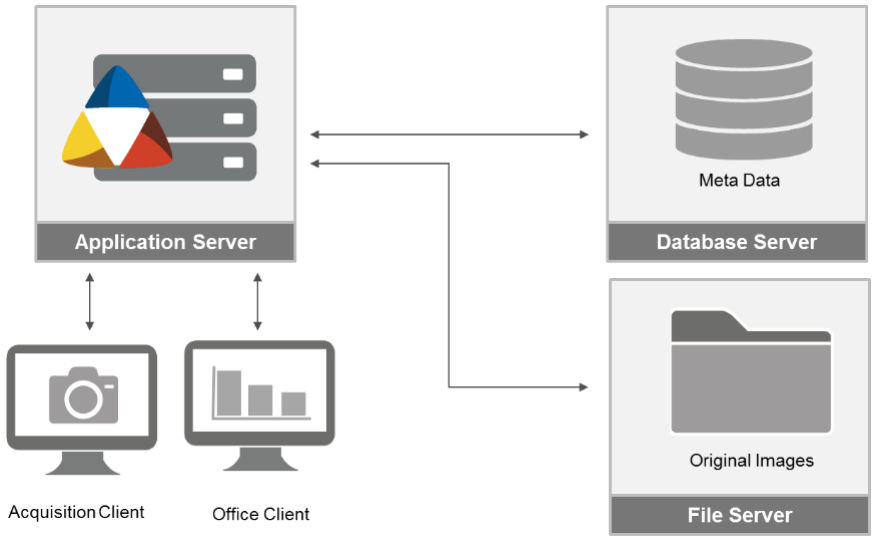

Illustration: Simplified architecture of IMS Client/Server concept

Glattbrugg, March 2024