

TECHNICAL SPECIFICATIONS MAESTRO* - 3.05 MS SQL VERSION

OBJECTIVE

You will find in this document the various components or configurations recommended **for an optimal use** of the **maestro*** products. This document must be given to your technician so that he may validate the various configurations.

If your equipment does not correspond to the following technical specifications do not hesitate to contact our software support department so that we may evaluate your computer equipment, make recommendations, and discuss the available options.

Contact our Software Support technicians by telephone at 514-990-1897 (for the Montreal area) or 877-833-1897 (toll free number) or by email at support@maestro.ca.

SUMMARY

- [MS SQL Server](#)
- [Terminal Servers](#)
- [Workstations](#)
- [Networking](#)

MS SQL Server

Features	Requirements
Operating System (OS)	Windows Server 2016 or higher. NTFS file system mandatory; FAT32 is not supported. Do not use software RAID systems. <i>NOTE: The "Data Execution Prevention" (DEP) service must be configured to handle only essential Windows programs (<u>not all programs</u>). The server must not have any significant load other than maestro* (e.g. domain or DNS/DHCP server, Exchange, etc.).</i>
MS SQL Server Version	Microsoft SQL Server 2016, 2017, 2019, or 2022. <i>NOTE: SQL Server 2016, 2017, 2019 and 2022 require .NET Framework 4.8 for database engine support.</i>
Processor	Any recent workstation or server-grade processor is suitable for maestro* .

Features	Requirements
	<ul style="list-style-type: none"> • A CPU with a minimum clock speed of 2.0 GHz is recommended for best performance; the higher the clock speed, the better the performance. • A minimum of 2 cores is recommended for a maestro* data server; there will be little or no gain beyond 4 cores, especially in virtualization. <p>Microsoft SQL Server handles multi-core processors very well: the cadence doesn't have to be very high, but the higher the value, the better.</p>
RAM	32 GB minimum, more depending on the context of use. Ideally, the server has enough memory to process all maestro* data in memory, ensuring maximum performance.
Storage	<p>At least two physical drives are required:</p> <ul style="list-style-type: none"> • One physical disk for the operating system (OS): 120 GB or more for the OS disk. • One physical disk for data (DATA): 250 GB or more for the DATA disk. <p>Note that SQL Server requires a minimum of two 500 GB drives.</p>
Network	Between servers, at least 10 GB/s.

Terminal Servers

Features	Requirements
Operating System (OS)	At the minimum, a Microsoft-supported version of Windows.
Processor	<p>As this is the computer on which maestro* runs, CPU speed and single-core performance are crucial for good performance.</p> <p><i>NOTE: Take care with virtualization! It's essential to maintain good CPU performance at all times.</i></p>
RAM	8 GB minimum, plus 1 GB per user.
Storage	Ideally fast drives (SSD), capacity according to customer profile.
Networking	Between servers, at least 10 GB/s.

Workstations

Features	Requirements
Operating System (OS)	At the minimum, a Microsoft-supported version of Windows.
Processor	As this is the computer on which maestro* runs, CPU speed and single-core performance are crucial for good performance.
RAM	8 GB minimum.
Storage	Ideally fast drives (SSD), capacity according to customer profile.
Networking	1 GB/s minimum.
Operating System (OS)	Minimum display resolution: 1280x720 with 16 bits color depth.

Networking

Features	Requirements
Requirements	<p>Internet access is required.</p> <p>A <u>wired</u> Ethernet network is required: 1 GB/s minimum. For the servers, 10 GB/s recommended.</p>
Wireless Connection	Not supported.
Configuration with a Windows domain	TCP/IP IPv4 must be active. TCP/IP IPv6 <u>is not supported</u> .
Ports	<p>TCP/UDP 3389 port for RDP access, TCP 5900 port (realVNC).</p> <p>If data is accessed from the network via the maestro* application, the following ports must be available for MS SQL: TCP port 1433 or 3351, TCP port 1583, TCP port 137-139.</p>

SEE ALSO

- [Virtualization Specifications](#)
- [Using the scanner with **maestro***](#)

Last modification: June 20, 2024