

# Sage ERP MAS 200 SQL Version 4.45

## Supported Platform Matrix

Revised as of September 16, 2010

**The information in this document applies to Sage ERP MAS 200 SQL Version 4.45.** Detailed product update information and support policies can be found on the Sage Online Web site at: [www.sagesoftwareonline.com](http://www.sagesoftwareonline.com)

This document is intended to cover all information regarding the compatibility of various operating systems with Sage ERP MAS 200 SQL as of September 16, 2010. Any operating system not listed should be considered *incompatible*.

**Note:** It is critical that before and during an installation, this document be thoroughly reviewed, along with the *Sage ERP MAS 200 SQL Installation and System Administrator's Guide* and other documents found by clicking the Installation Information link of the main Sage MAS 90 and 200 Support Web page. This Web page can be found on the Sage Online Web site at [www.sagesoftwareonline.com](http://www.sagesoftwareonline.com). If development partner or Extended Solutions customizations or modifications have been made to your Sage ERP MAS 200 SQL software, coordinate with your Sage business partner and your development partner before installing Sage ERP MAS 200 SQL.

For information about integrated solutions compatibility, refer to the Integrated Solutions Compatibility Matrix on the Sage Online Web site at: [www.sagesoftwareonline.com](http://www.sagesoftwareonline.com)

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**If your platform is not listed in the matrices below, it is not supported.**

Supported Workstations	Remarks
Windows 7 (32- and 64-bit) Professional, Enterprise, and Ultimate	Sage recommends installing Sage ERP MAS 200 SQL Workstation Setup to a location other than the C:\Program Files folder (for example, C:\Sage Software).
Windows Vista (32-bit) Business, Enterprise, and Ultimate Service Pack 2	Sage recommends installing Sage ERP MAS 200 SQL Workstation Setup to a location other than the C:\Program Files folder (for example, C:\Sage Software).
Windows XP Professional Service Pack 3	

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Microsoft Dedicated Servers	Defined as operating system software specifically designed to be used as a network server (not peer-to-peer).
Supported Servers	Remarks
<p>Windows Server 2008 (32- and 64-bit) Standard and Enterprise Service Pack 2</p> <p>Windows Server 2008 R2 (64-bit) Standard and Enterprise</p>	<p><b>Notes</b></p> <ul style="list-style-type: none"> <li>▪ Sage ERP MAS 200 SQL should be installed on a dedicated member/application server. Although supported, certain Windows server configurations are <b>not recommended</b> due to possible instability and performance issues. Support from Sage Customer Support may be limited in the following circumstances: <ul style="list-style-type: none"> <li>○ Running Sage ERP MAS 200 SQL on a Windows server acting as an Active Directory domain controller managing a large number of user accounts, computer accounts, group policies, organizational units, remote sites, or other network resources.</li> <li>○ Running Sage ERP MAS 200 SQL on any server actively running other applications or services, such as e-mail (for example, Exchange Server), IIS, fax programs, or other software.</li> </ul> </li> <li>▪ Sage ERP MAS 200 SQL is not a 64-bit application so it executes, by default, in a 32-bit mode when running on a 64-bit operating system.</li> <li>▪ Unless absolutely necessary, avoid installing Sage ERP MAS 200 SQL to system controlled folders, such as C:\Program Files or C:\Program Files(x86). Sage recommends installing Sage ERP MAS 200 SQL to a dedicated non-system controlled folder, such as C:\Sage Software.</li> <li>▪ The eBusiness Web Services service can only be installed on a Windows Server platform, such as Windows Server 2008. For more information, see the <i>eBusiness Web Services Installation and Reference Guide</i> found by clicking the Documentation link of the Sage ERP MAS 200 SQL autorun screen.</li> </ul> <p><b>Not Supported</b></p> <ul style="list-style-type: none"> <li>▪ Using a server operating system as a Sage ERP MAS 200 SQL workstation is not supported.</li> </ul>

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Supported Microsoft SQL Servers	Remarks
Microsoft SQL Server 2008 (32- and 64-bit) Standard, Enterprise Service Pack 1  Microsoft SQL Server 2008 R2 (32- and 64-bit) Standard, Enterprise	
Terminal Services/Citrix Servers	Remarks
Supported Servers	
Windows Server 2008 (32- and 64-bit) Standard and Enterprise Service Pack 2 Terminal Services  Windows Server 2008 R2 (64-bit) Standard and Enterprise Terminal Services  Citrix XenApp 5.0  Citrix XenApp 6.0	<b>Notes</b> <ul style="list-style-type: none"><li>▪ Terminal Services or Citrix must be installed on a supported version of Windows Server, such as version 2008.</li><li>▪ Windows thin clients are supported with Terminal Services and Citrix. For more information, refer to <a href="http://www.microsoft.com">www.microsoft.com</a></li><li>▪ Running Terminal Services and Citrix XenApp on a Windows Server 2008 64-bit platform is supported.</li><li>▪ You must install Sage ERP MAS 200 SQL on a separate server from the Terminal Services or Citrix server.</li><li>▪ For more information on Terminal Services/Citrix, see the Miscellaneous Notes section in this document.</li></ul>

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### Miscellaneous Notes

1. Running Windows from a shared network drive and/or attaching to the server as a Windows diskless workstation is not supported.
2. When running Sage ERP MAS 200 SQL over a local area network (LAN) environment, the ping timings will vary depending on the speed and configuration of the network. Typical ping timings with 1,800 bytes of data should be between 20–30 milliseconds or faster. Unacceptable ping speeds are over 40 milliseconds.
3. In the Sage ERP MAS 200 SQL client/server environment, integrated applications do their processing at the workstation, not at the server. As a result, users may experience performance issues when running integrated applications from remote locations. Some of the applications affected include Crystal Reports.
4. Virtual private network (VPN) and wide area network (WAN) connections should be set up as point-to-point connections, as opposed to Internet connections, for better stability and performance. If an Internet connection is used, ensure the Internet Service Provider (ISP) can provide a guaranteed bandwidth; otherwise, users may experience dropped sessions and lost connections. With any type of low speed WAN connection, for each remote user, select the Low Speed Connection check box in User Maintenance.
5. Always re-run Sage ERP MAS 200 SQL Workstation Setup after re-installing or upgrading the Windows operating system, and verify that a default Windows printer is still available and operational.
6. Verify that all hardware involved in running Sage ERP MAS 200 SQL is on Microsoft's Hardware Compatibility List. Incompatible hardware can cause severe data corruption. For more information, refer to the Microsoft Hardware Compatibility List at: <http://www.microsoft.com/whdc/hcl/default.mspx>
7. Sage is committed to supporting future Microsoft operating systems as they are released to market for all Sage ERP MAS 200 SQL modules; however, Sage does not support beta-level operating systems. As new operating system levels are scheduled for general release, Sage will verify their compatibility, and this document will be updated when Sage's evaluations are completed.
8. Suggestions for faster remote printing of Crystal reports over a WAN and virtual private network (VPN) are:
  - Using Citrix or Terminal Services
  - Using non-graphical forms (those not based on Crystal Reports) if available
9. Sage requires a guaranteed minimum bandwidth of 256 Kbps per user for running Sage ERP MAS 200 SQL through a low-speed remote connection. For each user, 512 Kbps or higher is recommended. Select the Low Speed Connection check box in the Sage ERP MAS 200 SQL User Maintenance window.
10. If a VPN connection is used, keep in mind the following:
  - VPN solutions are either software-based, hardware-based (such as a VPN firewall), or a hybrid of both.
  - Software-based VPNs may result in slower connection speeds due to the security overhead of encrypting the data. Hardware-based solutions run faster.
  - Low-speed connections are subject to considerable performance issues when using a software-based VPN. It may cause the connection to have a bandwidth of less than 256 Kbps. For information on guaranteed bandwidth requirements, see miscellaneous note above.

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11. TCP/IP must be installed and properly configured so that you can ping by computer name and IP address from the workstation to the server. The server must be able to at least ping the workstation by its IP address. You must be able to use the Windows TELNET.EXE utility or equivalent to communicate with the Application Server on a specific port ID and IP address, or on a specific port ID and name from all workstations to the server. If this cannot be done, you must contact your Microsoft support organization. Sage Customer Support cannot assist with this task. For more information on connection requirements, refer to your *Sage ERP MAS 200 SQL Installation and System Administrator's Guide*.
12. The Sage ERP MAS 200 SQL Application Server is a Windows Sockets application that listens on a single port (typically port 10000). You must open this port on your firewall/router so clients can connect to the Application Server properly. The client does not listen back on its own port, so opening ports for clients is not necessary. Also, the Application Server is compatible with Network Address Translation (NAT).
13. If the Sage ERP MAS 200 SQL Application Server is configured to run as a service and you are experiencing connection timed out errors, white screens, hanging, or slow performance, but only after a certain number of Sage ERP MAS 200 SQL users are in the system, review document [SS3003-A](#) on the Sage Online Web site at [www.sagesoftwareonline.com](http://www.sagesoftwareonline.com). If you are running the Application Server on the desktop instead of running it as a service, the same problem may occur in a very large multi-user environment. If that is the case, review document SS3003-A on Sage Online.
14. Wireless local area networks (WLANs) are not recommended for desktop or laptop connections, because using a wireless LAN may result in dropped packets and lost connections.
15. The Microsoft Fax Services feature provided with Windows Server 2008, Windows XP, Windows Vista, and Windows 7 is supported only for Paperless Office and batch faxing. For more information, refer to the Integrated Solutions Compatibility Matrix on the Sage Online Web site at: [www.sagesoftwareonline.com](http://www.sagesoftwareonline.com)

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Recommended Minimum System Configuration			
	Recommended Minimum <sup>1</sup>		
Single User/Client Workstation	Processor	Physical Memory (RAM)	Available Memory (RAM) <sup>2</sup>
Workstation (client) operating system versions not listed in this document will not be supported with Sage ERP MAS 200 SQL version 4.45.			
Windows XP Professional (32-bit)	Intel Pentium 4 class 1.8 GHz	1 GB	512 MB
Windows Vista (32-bit) Business, Enterprise, and Ultimate	Intel Core 2 Duo	2 GB	512 MB
Windows 7 (32- and 64-bit) Professional, Enterprise, and Ultimate	Intel Core 2 Duo	2 GB	512 MB
Network Bandwidth (for multi-user systems)	Recommended Minimum		
	100 Base-T – 100 Mbps at Full Duplex		

<sup>1</sup> The recommended minimum is designed to ensure that the systems used for Sage ERP MAS 200 SQL are capable of providing adequate performance with a standard complement of normally installed applications, such as virus protection software.

<sup>2</sup> Regardless of the recommended minimums specified above, users should check the available memory on the workstation prior to installing Sage ERP MAS 200 SQL and use the Windows Task Manager to check the Available Physical Memory on the Performance tab. A minimum of 512 MB of physical RAM should be available to Sage ERP MAS 200 SQL when all other applications that will be used with Sage ERP MAS 200 SQL are loaded. A minimum of 512 MB of RAM should be available if using Windows Vista. Sage cannot guarantee acceptable performance when running Sage ERP MAS 200 SQL concurrently with other applications that consume system resources required for Sage ERP MAS 200 SQL to perform at an optimum level.

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Recommended Minimum System Configuration		
	Recommended Minimum <sup>1</sup>	
Terminal Services and Citrix	Processor	Memory (RAM)
Windows 2008 Terminal Services Citrix XenApp 5.0 Citrix XenApp 6.0	Intel Quad Core class processors or better	Recommended minimum and as required by Terminal Services or Citrix, plus 128 MB per concurrent user <sup>2</sup>
	Recommended Minimum	
Supported Servers	Processor	Memory (RAM)
Windows Server 2008 (32-bit) Standard	Intel Quad Core class processors or better	3 GB + 200 MB per concurrent user <b>Note:</b> Windows Server 2008 Standard 32-bit has an architectural maximum limit of 4 GB of RAM.
Windows Server 2008 (64-bit) Standard Windows Server 2008 (32- and 64-bit) Enterprise Windows Server 2008 R2 (64-bit) Standard and Enterprise	Intel Quad Core class processors or better	8 GB + 200 MB per concurrent user
Microsoft SQL Server 2008 (32- and 64-bit) Standard and Enterprise  Microsoft SQL Server 2008 R2 (32- and 64-bit) Standard and Enterprise	Intel or AMD 64-bit capable	8 GB + 200 MB per concurrent user

<sup>1</sup> The recommended minimum is designed to ensure that the systems used for Sage ERP MAS 200 SQL are capable of providing adequate performance with a standard complement of normally installed applications, such as virus protection software.

<sup>2</sup> 128 MB is based on an average of three concurrent tasks per user (Sage ERP MAS 200 SQL Desktop plus two additional tasks, such as Sales Order Entry or Customer Maintenance). Averages of more than three concurrent tasks per user will require additional RAM.