

# Sage MAS 90 ERP Version 4.40

## Supported Platform Matrix

Revised as of June 3, 2010

The information in this document applies to Sage MAS 90 ERP Version 4.40. 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 MAS 90 as of June 3, 2010. Any operating system not listed should be considered *incompatible*.

**Note:** It is critical that before and during an installation, this document is thoroughly reviewed, along with the *Sage MAS 90 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 MAS 90 software, coordinate with your Sage business partner and your development partner before installing Sage MAS 90.

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). Web site content can change at any time. Sage has no control over, and cannot be responsible for, the content of other companies' Web sites.

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

| Supported Workstations                                                                                                                                                                                                                                                            | Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The following information applies to all standalone (single user) workstations, peer-to-peer workstations, and client workstations attached to Windows servers, unless indicated otherwise.                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Peer-to-Peer Networks: In a peer-to-peer network where the computer acting as the file server is not dedicated, only 2 concurrent user seat accesses will be supported. If the computer acting as the file server is a dedicated machine, a 5 concurrent user maximum is allowed. |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Windows 7 (32 and 64-bit)<br>Professional, Enterprise, and Ultimate                                                                                                                                                                                                               | <p><b>Notes</b></p> <ul style="list-style-type: none"> <li>▪ Sage MAS 90 version 4.40 and 4.40.0.1 require <a href="#">LM4045-T</a> located on the Sage Online Web site at: <a href="http://www.sagesoftwareonline.com">www.sagesoftwareonline.com</a></li> <li>▪ Sage recommends installing Sage MAS 90 to a location other than the C:\Program Files folder (for example, C:\Sage Software).</li> </ul>                                                   |
|                                                                                                                                                                                                                                                                                   | <p><b>Not Supported</b></p> <p>The items listed here are intended to be used for clarification purposes only, and are not intended to represent a comprehensive list of exclusions.</p> <ul style="list-style-type: none"> <li>▪ Windows 7 peer-to-peer networks are not supported.</li> <li>▪ Windows 7 Home Basic and Windows 7 Home Premium editions are not supported.</li> </ul>                                                                       |
| Windows Vista (32-bit)<br>Business, Enterprise, and Ultimate<br>Service Pack 2                                                                                                                                                                                                    | <p><b>Notes</b></p> <ul style="list-style-type: none"> <li>▪ Sage recommends installing Sage MAS 90 to a location other than the C:\Program Files folder (for example, C:\Sage Software).</li> </ul>                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                   | <p><b>Not Supported</b></p> <p>The items listed here are intended to be used for clarification purposes only, and are not intended to represent a comprehensive list of exclusions.</p> <ul style="list-style-type: none"> <li>▪ Windows Vista peer-to-peer networks are not supported.</li> <li>▪ Windows Vista Home Basic and Windows Vista Home Premium editions are not supported.</li> <li>▪ Windows Vista 64-bit version is not supported.</li> </ul> |
| Windows XP Professional<br>Service Pack 2-3                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Windows XP Tablet PC Edition<br>Service Pack 2-3                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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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)<br/>Standard and Enterprise<br/>Service Pack 2</p> <p>Windows Server 2008 R2 (64-bit)<br/>Standard and Enterprise</p> <p>Windows Small Business Server 2008<br/>(32-bit and 64-bit)<br/>Standard and Premium<br/>Service Pack 2</p> <hr/> <p>Windows Server 2003 (32-bit)<br/>Standard and Enterprise<br/>Service Pack 2</p> <p>Windows Server 2003 R2 (32-bit)<br/>Standard and Enterprise<br/>Service Pack 2</p> <p>Windows Small Business Server 2003 R2 (32-bit)<br/>Standard and Premium<br/>Service Pack 2</p> | <p><b>Notes</b></p> <ul style="list-style-type: none"> <li>▪ Sage MAS 90 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>▪ Sage MAS 90 can be installed to the Windows Server 2008 64-bit Programs folder for 32-bit applications (C:\Program Files (x86)), or to any user defined folder. The Installation Wizard defaults to the C:\Sage Software folder.</li> <li>▪ If e-Business Manager is installed, the ISAPI Plug-in must be installed manually for new Sage MAS 90 installations.</li> <li>▪ If a Windows Server 2008 64-bit server is to be used as the IIS Server to connect to the Sage Web Engine, the Application Pool specified for the Web site must have True selected for the Enable 32-bit Applications option.</li> <li>▪ Microsoft Fax Services on Windows Server 2008 64-bit versions require <a href="#">LM4045-T</a>.</li> <li>▪ Workstations from remote sites are supported only through Terminal Services or Citrix. Running Sage MAS 90 over a Virtual Private Network (VPN) and/or a Wide Area Network (WAN) or through any other remote means is not supported.</li> <li>▪ The eBusiness Web Services service can only be installed on a Windows Server platform, such as Windows Server 2003 or 2008. For more information, see the <i>eBusiness Web Services Installation and Reference Guide</i> found by clicking the Documentation link on the Sage MAS 90 and 200 autorun window of the install CD.</li> </ul> |

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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><b>Recommendations</b></p> <ul style="list-style-type: none"> <li>▪ Sage MAS 90 should be installed on its own dedicated server. For optimum performance, other applications or services such as e-mail, IIS, or Fax that are not essential to the operating system should be installed on a separate server.</li> </ul> <p><b>Not Supported</b></p> <p>The items listed here are intended to be used for clarification purposes only, and are not intended to represent a comprehensive list of exclusions.</p> <ul style="list-style-type: none"> <li>▪ Service Pack 1 on Windows Server 2003 is not supported.</li> <li>▪ Using a server operating system as a Sage MAS 90 workstation is not supported (not even as a client to another server).</li> <li>▪ Sage MAS 90 is not designed for any version of Windows Datacenter Server and is not supported on this platform.</li> <li>▪ Windows Server 2003 R2 64-bit is not supported.</li> <li>▪ Due to unresolved issues with the NWLink IPX/SPX protocol, avoid using this protocol unless necessary. For more information, refer to the Microsoft's Knowledge Base article 161080 at <a href="http://support.microsoft.com">support.microsoft.com</a></li> </ul> |
| Virtual Servers             | <ul style="list-style-type: none"> <li>▪ See <a href="#">Virtualization with Sage MAS 90, 200 and 500</a> located on the Sage Online Web site at: <a href="http://www.sagesoftwareonline.com">www.sagesoftwareonline.com</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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| Terminal Services/Citrix                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supported Servers                                                                                                                                                                                        | Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <p>Windows Server 2008 (32 and 64-bit)<br/>Standard and Enterprise<br/>Service Pack 2<br/>Terminal Services</p> <p>Windows Server 2008 R2 (64-bit)<br/>Standard and Enterprise<br/>Terminal Services</p> | <p><b>Notes</b></p> <ul style="list-style-type: none"> <li>▪ Terminal Services or Citrix must be installed on a supported version of Windows Server, such as version 2003 or 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>▪ For more information on Terminal Services/Citrix, see the Miscellaneous Notes section in this document.</li> <li>▪ 64-bit Terminal Services and Citrix are supported with version 4.40 and require <a href="#">LM4045-T</a> located on the Sage Online Web site at: <a href="http://www.sagesoftwareonline.com">www.sagesoftwareonline.com</a></li> </ul> |
| <p>Windows Server 2003 (32-bit)<br/>Standard and Enterprise<br/>Service Pack 2<br/>Terminal Services</p>                                                                                                 | <p><b>Recommendations</b></p> <ul style="list-style-type: none"> <li>▪ Sage MAS 90 can be installed on the same server as Terminal Services or Citrix, or on a separate server. If Sage MAS 90 is installed on a separate server from the Terminal Services/Citrix server, use 100 Mbps or better network components to connect the two servers.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                       |
| <p>Windows Server 2003 R2 (32-bit)<br/>Standard and Enterprise<br/>Service Pack 2<br/>Terminal Services</p> <p>Citrix Presentation Server 4.5</p> <p>Citrix XenApp 5.0</p>                               | <p><b>Not Supported</b></p> <p>The items listed here are intended to be used for clarification purposes only, and are not intended to represent a comprehensive list of exclusions.</p> <ul style="list-style-type: none"> <li>▪ Service Pack 1 for Windows Server 2003 is not supported.</li> <li>▪ Citrix does not support Citrix XenApp 5.0 on Windows Server 2008 R2.</li> </ul>                                                                                                                                                                                                                                                                                                                                              |

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### Miscellaneous Notes

1. Antivirus software on your workstations and server should be configured to exclude files with the extensions SOA, LIB, M4T, M4L, DD, DDE, and DDF. If antivirus software is configured to scan compressed CAB files, performance issues *may* occur. You *may* want to exclude scanning of CAB files and network drives. Also, you should not have \mas90\\*. \* files on the server scanned simultaneously by multiple instances of antivirus software. Desktop/home versions of antivirus software that are not supported by the publisher for business use are also not supported by Sage. Desktop/home versions typically have less configurable options (such as exclusion of file extensions over the network) for tuning the automatic, background, memory resident scans.
2. If you are using Symantec AntiVirus Corporate or Enterprise Edition, review Resolution ID 415534 in the Sage InfoSource Knowledgebase.
3. Verify that you install the correct driver for your network adapter card (NIC), and use only high-quality cards. Using an incompatible or outdated driver or a low-quality card can cause serious data corruption issues.
4. Always run Workstation Setup after installing, re-installing, or upgrading the Windows operating system, and verify that the Windows printers in Control Panel > Printers are still operational.
5. Verify that all hardware involved in running Sage MAS 90 is on your operating system vendor's Hardware Compatibility List. Incompatible hardware can cause severe data corruption. For more information, refer to the Microsoft Hardware Compatibility List at: [www.microsoft.com/whdc/hcl/default.msp](http://www.microsoft.com/whdc/hcl/default.msp)
6. The e-Business Manager module may have additional separate program fixes for the Web Engine. You should apply the latest Web Engine bundle. For the latest program updates, go to the Sage Online Web site at: [www.sagesoftwareonline.com](http://www.sagesoftwareonline.com)  
  
If third-party enhancements are installed, always contact your development partner to verify compatibility before installing any updates. Some program fixes are specifically excluded from the program fix collection and should be installed only if you are experiencing the problem they address.
7. The eBusiness Web Services service can be installed only on a Windows Server platform, such as Windows Server 2003 or 2008. For more information, see the *eBusiness Web Services Installation and Reference Guide* found by clicking the Documentation link on the Sage MAS 90 and 200 autorun window of the install CD.
8. Always validate compatibility of development partner enhancements before upgrading.
9. Sage is committed to supporting future Microsoft operating systems as they are released to market for all Sage MAS 90 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.
10. For more information about performance, log on to the Sage Online Web site at [www.sagesoftwareonline.com](http://www.sagesoftwareonline.com), and review Resolution ID 415534 "Slow Performance when running Sage MAS 90 Version 4.0 across a network" in the Sage InfoSource Knowledgebase.
11. 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.
12. The Microsoft Fax Services feature provided with Windows Server 2003 and 2008, Windows XP, and Windows Vista is supported 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 MAS 90 version 4.40. |                                      |                       |                                     |
| Windows 7 (32 and 64-bit)<br>Professional, Enterprise, and Ultimate                                                             | Intel Core 2 Duo                     | 2 GB                  | 512 MB                              |
| Windows Vista<br>Business, Enterprise, and Ultimate                                                                             | Intel Core 2 Duo                     | 2 GB                  | 512 MB                              |
| Windows XP Professional                                                                                                         | Intel Pentium 4 class 1.8 GHz        | 1 GB                  | 512 MB                              |
| Windows XP Tablet PC Edition                                                                                                    | Intel Pentium class                  | 1 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 the systems used for Sage MAS 90 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 minimum specified above, users should check the available memory on the workstation prior to installing Sage MAS 90 and use the Windows Task Manager to check the Available Physical Memory on the Performance tab. A minimum of 256 MB of physical RAM should be available to Sage MAS 90 when all other applications that will be used with Sage MAS 90 are loaded. A minimum of 512 MB of RAM should be available if using Windows Vista. Sage cannot guarantee acceptable performance when running Sage MAS 90 concurrently with other applications that consume system resources required for Sage MAS 90 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 Server 2008 Terminal Services<br>Windows Server 2003 Terminal Services<br>Citrix Presentation Server 4.5<br>Citrix XenApp 5.0                                                                                                                                                        | Intel Pentium 4 class 1.8 GHz<br>Dual-core processor or better recommended | Recommended minimum and as required by Terminal Services or Citrix, plus 128 MB per concurrent user <sup>2</sup> |
| Supported Servers                                                                                                                                                                                                                                                                            | Recommended Minimum                                                        |                                                                                                                  |
|                                                                                                                                                                                                                                                                                              | Processor                                                                  | Memory (RAM)                                                                                                     |
| Windows Server 2008 (32 and 64-bit)<br>Standard and Enterprise<br>Windows Server 2008 R2 (64-bit)<br>Standard and Enterprise<br>Windows Small Business Server 2008 (32-bit and 64-bit)<br>Standard and Premium                                                                               | Intel Pentium 4 class 2.4 GHz<br>Dual processor recommended                | 2 GB + 4-6 MB per concurrent user                                                                                |
| Windows Server 2003 (32-bit)<br>Standard and Enterprise<br>Windows Server 2003 R2 (32-bit)<br>Standard and Enterprise<br>Windows Small Business Server 2003 R2 (32-bit)<br>Standard and Premium<br>Windows XP Professional (peer-to-peer)<br>(Five users maximum if the server is dedicated) | Intel Pentium 4 class 1.8 GHz<br>Dual processor recommended                | 1 GB + 4-6 MB per concurrent user                                                                                |

<sup>1</sup> The recommended minimum is designed to ensure the systems used for Sage MAS 90 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 MAS 90 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.