

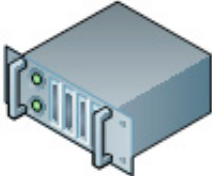


Hardware Requirements

			
	Standalone PC or Workgroup Server	Network Workstation	Dedicated Server
	Operates as a workstation, expandable to a limited peer-to-peer workgroup server	Operates as a workstation which connects to a workgroup or dedicated server	Operates only as a file and/or database server
Operating System	Windows XP Professional (SP3) <i>Windows 7 Professional</i>	Windows XP Professional (SP3) <i>Windows 7 Professional</i>	Windows Server 2003 (SP2) <i>Windows Server 2008 R2</i>
Processor	Pentium 2.4 GHz 32-bit <i>Pentium IV 3.3 GHz 64-bit Quad Core</i>	Pentium 2.4 GHz 32-bit <i>Pentium IV 3.3 GHz 64-bit Quad Core</i>	Pentium 2.4 GHz 32-bit <i>Pentium IV 3.3 GHz 64-bit Dual Quad Core</i>
System Memory	2 GB <i>8 GB</i>	1 GB <i>4 GB</i>	2 GB <i>8 GB</i>
Hard Drive Space	8 GB <i>10 GB</i>	4 GB <i>4 GB</i>	8 GB <i>10 GB with RAID 5</i>
Database Engine	SQL Server 2005 Express (SP3)	N/A	SQL Server 2005 Express (SP3) <i>SQL Server 2008 R2</i>
Browser	Internet Explorer 8.0	Internet Explorer 8.0	Internet Explorer 8.0
Video	SVGA monitor (1024 x 768)	SVGA monitor (1024 x 768)	SVGA monitor (1024 x 768)
Other	DVD-ROM	–	DVD-ROM

These are minimum requirements.

For optimum performance, consider the Preferred recommendations indicated in BLUE.

See additional notes and requirements on the reverse side.

Additional Notes and Requirements

Operating Systems

- It is very important to use an operating system (OS) that is designed for the demands that a business application can exert on a computer. It is our practice to support Business, Enterprise, and Ultimate editions of the current mainstream operating systems that Microsoft actively supports. The Home versions of the Windows operating system are not recommended for use with Shelby Systems software.
- Shelby Systems v.5 is 64-bit compatible. However, caution should be exercised in choosing this system architecture, 64-bit versions for many existing third-party device drivers are not available.
- Microsoft Windows Server editions require Client Access Licenses, purchased separately from Microsoft.
- If you have a Novell Network, a separate computer with a supported Windows operating system will be required to be used as a Dedicated Database Server.
- The following operating systems are currently supported:
 - Windows 7 Professional
 - Windows 7 Ultimate
 - Windows Vista Business SP1
 - Windows Vista Ultimate SP1
 - Windows Vista Enterprise SP1
 - Windows XP Professional SP3
 - Windows 2003 Server SP2
 - Windows 2003 Server R2 SP2
 - Windows 2008 Server R2

Networking

- Data servers and all client workstations must run TCP/IP as default network protocol, on 100BASE-T Ethernet or higher. The data server must have a static IP address.
- Terminal Server clients and Citrix Metaframe Clients are supported over Virtual Private Network (VPN) or direct connections.
- Direct Virtual Private Network (VPN) not using Terminal Server Clients or Citrix Metaframe Clients connections are not supported due to bandwidth restrictions that result in long delays while transmitting data.

Miscellaneous

- A DVD-ROM drive is required for all installations except network workstations. Network workstations should install the required Shelby files from the \\servername\Shelby\ssv5.prg\workstat directory on the server.
- Microsoft Internet Explorer 8.0 or later is required on client and server computers. All standard installations of Windows 2003, Windows XP Professional, Windows Vista Business/Ultimate/Enterprise, Windows 7 Professional/Ultimate, and Windows Server 2008 meet this requirement.
- Shelby Add-ons products are supported on workstations running 32-bit Windows XP Pro, 32-bit Windows Vista Business/Ultimate/Enterprise, Windows 7 Professional/Ultimate, but are not supported on servers running Windows 2003 server or Windows 2003 terminal server. We offer product support with all Shelby Add-ons products in your use of related Shelby software modules. We do not offer technical support on setup and troubleshooting with these items as they relate to the Shelby Add-ons software. We suggest that you contact the manufacturer directly for that assistance.

SQL

- A dedicated database server for the SQL server and Shelby v.5 data will enhance performance.
- SQL Express has no query limit. Larger installations will need a SQL Server product purchased separately from Microsoft.
- Workgroup Servers running Vista, Windows 7 or Windows 2008 Server must use a minimum of SQL 2005 Express.
- Database servers running SQL Express must have file and print sharing turned on. It cannot be turned off, hibernated, or allowed to go to standby if scheduled backups after office hours are desired.
- Microsoft SQL products require Client Access Licenses, purchased separately from Microsoft.
- Microsoft SQL 2005/SQL 2005 Express require Microsoft .NET Framework 2.0, MDAC 2.8 SP1 or later, and Windows installer 3.1, in addition to Internet Explorer 8.0.
- SQL Server Setup 2008 will not install the following required components. You must install these components manually before you run SQL Server Setup:
 - SQL Server: Windows installer 4.5.
 - SQL Server Express: .NET Framework 2.0 SP2 and Windows installer 4.5. On Windows Vista, use .NET Framework 3.5 SP1.
 - SQL Server Express with Advanced Services: .NET Framework 3.5 SP1, Windows Installer 4.5, and Windows PowerShell 1.0.
 - SQL Server Express with Tools: .NET Framework 3.5 SP1, Windows Installer 4.5, and Windows PowerShell 1.0. For more information refer to <http://msdn.microsoft.com/en-us/library/ms143506.aspx>
- The following versions of the Microsoft SQL database engine are currently supported:
 - SQL Server 2005 Express SP3
 - SQL Server 2005 SP3
 - SQL Server 2008 Express SP1
 - SQL Server 2008 Express R2
 - SQL Server 2008 SP1
 - SQL Server 2008 R2

Virtual Server Compatibility

- MS Virtual Server 2005
- MS Hyper-V Server
- VM Ware Virtual Server

These recommendations are not intended to supersede requirements for your operating system, network, or other software.

<http://www.shelbysystems.com/resourcelibrary>