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## Shelby v5 Hardware Requirements

Programming Language: Microsoft Visual Basic 6.0  
Database Management System: Microsoft SQL Server 2000 Desktop Engine (MSDE 2000), SQL Server 2000, SQL Server 2005, or SQL 2005 Express

### General Requirements

- **Windows Versions:** It is very important to use an Operating System (OS) that is meant for the strains that a business application can exert on your computer. Therefore, **we do not support running on any version of Windows that Microsoft has dropped mainstream support on, nor support the use of any Windows HOME versions of the popular Windows Operating System.** While it is true that many computers are 'bundled' with these popular home versions of the Windows operating system installed, in most cases you can purchase an upgrade to one of the business versions of Windows.
- Mouse, Track Ball, Touch Pad or other pointing device.
- SVGA video card and monitor. We recommend a 32 MB or greater video card – 64 MB or larger would improve screen performance.
- 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.
- Data Servers and all client workstations must run TCP/IP as default network protocol. The Data Server must have a static IP address. We recommend running TCP/IP as the only protocol. Contact your network administrator for help in configuring this.
- We require Microsoft Internet Explorer 6.0 or later on client and server PCs. All standard loads of Windows 2003, Windows Vista, Windows XP Professional, and Windows 2000 meet this requirement.
- 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 6.0.
- Remote Client Connections:
  - Terminal Server Clients and Citrix Metaframe Clients do not have to meet the minimum hardware requirements for a Workstation as all processing is done on the Terminal Server.
  - 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 band width restrictions that result in long delays while transmitting data.
  - Apple (MAC) computers are supported only as a Terminal Server Client or Citrix Metaframe Client.
- The minimums on the following pages are for systems running Shelby without having other applications open. The use of screen backgrounds, screen savers, animated cursors or icons, e-mail clients, or running other applications simultaneously with Shelby will impact performance and should be taken into consideration when determining your minimum requirements.

### Peer-to-Peer Network Additional Requirements

- The Database Server (PC running MSDE 2000 or SQL 2005 Express) must have a static (hard-coded) IP Address.
- The Database Server (PC running MSDE 2000 or SQL 2005 Express) must have File and Print Sharing turned on.
- The Database Server cannot be turned off, hibernate or go to Stand By if you plan to run a Scheduled Backup after office hours.

**NOTE:** Applications such as Exchange, MS Proxy and IIS require significant processing power, memory, and disk space themselves. We do not recommend loading such applications on a network data server unless you are installing Microsoft Windows 2003 Small Business Server or Windows 2000 Small Business Server. Nevertheless, should you do so, please increase the minimums appropriately to assure adequate performance. We also recommend a thorough security analysis of any data server accessible directly from the Internet.

**CAUTION!** SQL 2005 Express edition does not support Scheduled Backups. Microsoft has intentionally omitted the Server Agent from this version of SQL.

For help determining if your hardware meets Shelby's minimum requirements: e-mail [v5support@shelbyinc.com](mailto:v5support@shelbyinc.com) or call (800) 877-0222.

Section 1: **Stand Alone PC** [a single user system, not connected to a network]  
or **Workstation/Server** [the workstation where the database will be loaded on a peer-to-peer network]

	Minimum Requirements	Optimum Performance
Operating System	Windows 2000 Professional (SP4+)*	Windows XP Professional (SP2+)
CPU (Processor)	Pentium 1 GHZ or faster	Pentium IV 3.0 GHz or higher
RAM (Memory)	512 MB (XP, 2000) 1 GB (Vista)	1 GB or more
Disk Space Available	4 GB	10 GB
DBMS*	MSDE 2000 (SP3+) SQL 2005 Express	SQL 2005 Express (SP1+) or higher
Other	DVD ROM SVGA monitor IE 6.0 or higher	DVD ROM SVGA monitor IE 6.0 or higher

\* Microsoft ended Main Stream Support on June 30, 2005; Shelby ends support December 31, 2007

Section 2: **Primary Network Server** [providing user authentication (login), file, print, and data services]

	Minimum Requirements		Optimum Performance
Operating System	Windows 2000 Server (SP4+) Novell(i)	Windows 2003 Server SP2 or higher	Windows 2003 Server SP2 or higher
CPU (Processor)	Pentium 1 GHZ or faster	Pentium III 900 MHz	Dual Pentium IV 3.0 GHz or higher
RAM (Memory)	512 MB	1 GB or more	1 GB or more
Disk Space Available	4 GB	4 GB	10 GB with RAID 5
Other	DVD ROM SVGA monitor IE 6.0 or higher	DVD ROM SVGA monitor IE 6.0 or higher	DVD ROM SVGA monitor IE 6.0 or higher
DBMS*	MSDE 2000 (SP3+) SQL 2005 Express For up to 10 concurrent Shelby Users.	MSDE 2000 (SP3+) SQL 2005 Express For up to 10 concurrent Shelby Users.	SQL 2005 Server

(1) If you have a Novell Server, you will need a Windows machine to use as a Dedicated Database Server.

Section 3: **Dedicated Database Server** [providing data services only in a peer-to-peer network or in a network with a separate file/print server. Typically, this would be the situation in a network currently using a Novell server.]

	Minimum Requirements	Optimum Performance
Operating System	Windows 2000 Professional (SP4+)*	Windows 2003 Server SP2 or higher
CPU (Processor)	Pentium 1 GHZ or faster	Dual Pentium IV 3.0 GHz or higher
RAM (Memory)	1 GB	4 GB or more
Disk Space Available	4GB	10 GB with RAID 5
Other	DVD ROM SVGA monitor IE 6.0 or higher	DVD ROM SVGA monitor IE 6.0 or higher
DBMS*	MSDE 2000 (SP3+) SQL 2005 Express For up to 10 concurrent Shelby Users.	SQL Server 2005 (SP1+)

Note: File services on Windows 2000 Pro, Windows XP Pro, Vista Business, and Vista Enterprise workstations are limited to 10 connections. Windows 2003 and Windows 2000 server requires client access license (CAL) per user.

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Section 4: **Network Workstation:** [A client workstation in a client/server network or client-only in a peer-to-peer network]

	Minimum Requirements	Optimum Performance
Operating System	Windows 2000 Professional (SP4+)*	Windows XP Professional (SP2+)
CPU (Processor)	Pentium 733 MHz or faster (XP, 2000) Pentium 1 GHZ or faster (Vista)	Pentium IV 3.0 GHz or higher
RAM (Memory)	256 MB (XP, 2000) 1 GB (Vista)	1 GB or more
Other	SVGA monitor IE 6.0 or higher	SVGA monitor IE 6.0 or higher

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**CAUTION!** Some Internet filtering products block unknown or undesirable sites by sending all TCP/IP packets to their WEB site. Their web site only forwards packets to known, approved sites. Since Shelby uses TCP/IP to communicate with a SQL Database, this will prevent Shelby from working.



**Have you scheduled your training dates yet? Call Shelby Training at (800) 654-1605.**

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