

Overview

FileBound is a client-server system that utilizes servers for data storage/processing and web browser-based clients for display and input. While most of the user interface is in a thin client (browser) there are modules that are thick clients (stand-alone applications) such as the Data Manager module for scanning and importing. The following paragraphs describe the structure and specifications of each system required for full FileBound implementation.

Server Specifications

FileBound is an Active Server Pages application and therefore must run on a Microsoft IIS web server. FileBound is written for IIS version 5.0 and, therefore, uses the **Windows 2000 SP4** or higher operating system. Any computer that can run IIS will suffice to support the system but the needs of the end-user should guide the server configuration specifications.

Minimum Requirements:

- Pentium 3 server
- 500Mhz processor
- 128 MB RAM
- 10 GB HD
- Internet/Intranet connectivity

Practical Requirements:

(Intranet configuration with 5GB of documents and 5 users)

- Pentium 3 server
- 1Ghz Processor or higher
- 512 MB RAM
- 40 GB HD
- Intranet connectivity
- Tape backup device or other backup system
- MS Access database should suffice

(Intranet configuration with 30GB of documents and 50 users)

- Pentium 4 server
- 1Ghz Processor or higher
- 512 MB RAM (1GB for better scalability)
- 120 GB HD
- Intranet connectivity
- Tape backup device or other backup system
- SQL database preferred due to number of users

System Requirements

Client Specifications

Browser based (thin client)

The thin client portion of FileBound is the retrieval portion and is the most used in a typical system. FileBound requires Internet Explorer 5.0 or higher with ActiveX controls and JavaScript enabled. Make sure the clients have plenty of disk space available for temporary files and sufficient rights are available on the client to install ActiveX controls automatically through the browser. Currently our document viewer and NetLabels Automation component are ActiveX. As a practical configuration a fast Pentium 3 with ample storage will suffice but a Pentium 4 is preferred. The image viewing can be intense in some circumstances (depending on the image size and complexity) and the fast processor will ensure rapid viewing.

The amount of RAM required varies per operating system and depends on several other factors but this chart should serve as a general rule. The systems can obviously be run with less memory but the results cannot be guaranteed.

Operating System	Minimum/Recommended
Windows 98	32 / 128+
Windows ME	Not recommended
Windows NT	64 / 128+
Windows 2000 SP4	128 / 256+
Windows XP	256 / 512+

Other factors that can affect the document viewing experience include firewalls/proxies, document sizes, anti-virus programs and other intrusive utilities. As a general rule you should scan in the lowest resolution that will work to decrease the size of the images to keep the viewing experience quick and responsive. Any intrusive utility (popup blockers, anti-virus, etc) will need to be reviewed if there are issues.

Desktop (thick clients)

Data Manager is the scanning/importing module that is used to transfer scanned images as well as other digital documents to the FileBound server. This module utilizes various drivers and is quite intense in its data processing requirements. In general, a fast processor with ample storage and a fast connection to the server will increase performance the most.

Minimum Requirements:

- Pentium 3 computer
- 800 Mhz Processor
- 256 MB RAM
- 40 GB HD
- 15" monitor
- Internet/Intranet connectivity

Practical Requirements:

- Pentium 4 computer
- 1.5Ghz Processor
- 1 GB RAM
- 100 GB HD
- 17" monitor (19" preferred)
- Internet/Intranet connectivity (100Mbps preferred speed)
- CDROM Burner (for DataManager archiving)