



Hardware and OS Specifications

File Stream Document Management Software – System Requirements
for v4.5

NB: please read through carefully, as it contains **4 separate specifications** for a Workstation PC, a Web PC, a Server and a Web Server. Further notes are at the foot of this document. If you are in any doubt as to which specification is applicable, please contact our Document Management Technical Support team – we will be pleased to help.

www.filestreamsystems.co.uk

T Support +44 (0) 118 989 3771

E Support support@filestreamsystems.co.uk

For an in-depth list of all our features and specifications, please visit:

<http://www.filestreamsystems.co.uk/document-management-specification.htm>

Workstation PC

Processor (CPU) ⁴	
Supported	AMD/Intel x86 (32bit) or x64 (64bit) Compatible
Minimum	Intel Pentium IV single core 1.0 GHz
Recommended	Intel Core 2 Duo E8400 3.0 GHz or better
Operating System ⁴	
Supported	Windows 8, Windows 8 Pro, Windows 8 Enterprise (32bit, 64bit)
	Windows 10 (32bit, 64bit)
Memory (RAM) ⁵	
Minimum	2.0 GB
Recommended	4.0 GB
Storage Space (Disk)	
Minimum	50 GB
Recommended	100 GB
Disk Format	NTFS Format Recommended
Graphics Card	
Minimum	128 MB DirectX 9 Compatible
Recommended	128 MB DirectX 9 Compatible
Display	
Minimum	1024 x 768 16bit colour
Recommended	1280 x 1024 32bit colour
Widescreen Format	Yes (minimum vertical resolution 800)
Dual Monitor	Yes
Font Settings	Only 96 DPI font settings are supported
Explorer Internet	
Minimum	Microsoft Internet Explorer 11
Network (LAN)	
Minimum	100 MB Ethernet (not required on standalone PC)
Recommended	1000 MB Ethernet
Microsoft .NET Framework	
Required	4.6.2

Web PC

Processor (CPU) ⁴

Supported	AMD/Intel x86 (32bit) or x64 (64bit) Compatible
Minimum	Intel Pentium IV single core 1.0 GHz
Recommended	Intel Core 2 Duo E8400 3.0 GHz or better

Operating System ⁴

Supported	Windows 8, Windows 8 Pro, Windows 8 Enterprise (32bit, 64bit) Windows 10 (32bit, 64bit)
-----------	--

Memory (RAM) ⁵

Minimum	2.0 GB
Recommended	2.0 GB

Storage Space (Disk)

Minimum	50 GB
Recommended	100 GB
Disk Format	NTFS Format Recommended

Graphics Card

Minimum	128 MB DirectX 9 Compatible
Recommended	128 MB DirectX 9 Compatible

Display

Minimum	1024 x 768 16bit colour
Recommended	1280 x 1024 32bit colour
Widescreen Format	Yes (minimum vertical resolution 800)
Dual Monitor	Yes
Font Settings	Only 96 DPI font settings are supported

Internet Connection

Minimum	1 Mb downstream 256 Kb upstream
Recommended	2 Mb downstream 256 Kb upstream or better
Firewall/Router	Must allow outgoing web requests

Explorer Internet

Minimum	Microsoft Internet Explorer 11
---------	--------------------------------

Network (LAN)

Minimum	100 MB Ethernet (not required on standalone PC)
Recommended	1000 MB Ethernet

Microsoft .NET Framework

Required	4.6.2
----------	-------

Server

Processor (CPU) ⁴

Supported	AMD/Intel x86 (32bit) or x64 (64bit) Compatible
	AMD Opteron, AMD Athlon 64, Intel Pentium Dual Core, Intel Core 2 Duo, Inter Core 2 Quad, Intel Xeon with Intel EM64T support, Intel Pentium IV with EM64T support
Minimum	Intel Pentium IV single core 1.0 GHz
Recommended	Intel Core 2 Duo E8400 3.0 GHz or better

Operating System ^{1 4}

Supported	Windows Server 2012 Foundation, Essentials, Standard and Data Centre
	Windows Server 2016 Essentials, Standard and Data Centre
	Windows Server 2017
	Windows Server 2019

Memory (RAM) ³

Minimum	2.0 GB
Recommended	4.0 GB on 32bit system
	8.0 GB on 64bit system

Storage Space (Disk)

Minimum	50 GB
Recommended	100 GB
Disk Format	NTFS Format Recommended

Graphics Card

Minimum	128 MB DirectX 9 Compatible
Recommended	128 MB DirectX 9 Compatible

Display

Minimum	1024 x 768 16bit colour
Recommended	1280 x 1024 32bit colour
Widescreen Format	Yes (minimum vertical resolution 800)
Dual Monitor	Yes
Font Settings	Only 96 DPI font settings are supported

Network (LAN)

Minimum	100 MB Ethernet (not required on standalone PC)
Recommended	1000 MB Ethernet

Microsoft .NET Framework

Required	4.6.2
----------	-------

SQL Server ^{6 7}	
Supported	SQL Server 2008 express, workstation, standard, enterprise 32bit
	SQL Server 2008 R2 express, workstation, standard, enterprise 32bit
	SQL Server 2008 express, workstation, standard, enterprise 64bit
	SQL Server 2008 R2 express, workstation, standard, enterprise 64bit
	SQL Server 2012 express, standard, enterprise
	SQL Server 2014 express, standard, enterprise
	SQL Server 2016 express, standard, enterprise
	SQL Server 2017 express, standard, enterprise
	SQL Server 2019 express, standard, enterprise
Minimum	SQL Server 2012 express, standard, enterprise

NB: Additional relevant notes at foot of this document

Web Server ²

Processor (CPU) ⁴

Supported	AMD/Intel x86 (32bit) or x64 (64bit) Compatible
	AMD Opteron, AMD Athlon 64, Intel Pentium Dual Core, Intel Core 2 Duo, Intel Core 2 Quad, Intel Xeon with Intel EM64T support, Intel Pentium IV with EM64T support
Minimum	Intel Pentium IV single core 1.0 GHz
Recommended	Intel Core 2 Duo E8400 3.0 GHz or better

Operating System ^{1 4}

Supported	Windows Server 2012 Foundation, Essentials, Standard and Data Centre
	Windows Server 2016 Essentials, Standard and Data Centre
	Windows Server 2019

Memory (RAM) ³

Minimum	2.0 GB
Recommended	4.0 GB

Storage Space (Disk)

Minimum	50 GB
Recommended	100 GB
Disk Format	NTFS Format Recommended

Graphics Card

Minimum	128 MB DirectX 9 Compatible
Recommended	128 MB DirectX 9 Compatible

Display

Minimum	1024 x 768 16bit colour
Recommended	1280 x 1024 32bit colour
Widescreen Format	Yes (minimum vertical resolution 800)
Dual Monitor	Yes
Font Settings	Only 96 DPI font settings are supported

Internet Connection

Minimum	1 Mb downstream 256 Kb upstream Requires permanent Internet connection with static IP address
Recommended	4 Mb downstream 1 Mb upstream or better Requires permanent Internet connection with static IP address
Firewall/Router	Must allow incoming http requests

Network (LAN)	
Minimum	100 MB Ethernet (not required on standalone PC)
Recommended	1000 MB Ethernet
Microsoft .NET Framework	
Required	4.6.2
SQL Server ^{6 7}	
Supported	SQL Server 2008 express, workstation, standard, enterprise 32bit
	SQL Server 2008 R2 express, workstation, standard, enterprise 32bit
	SQL Server 2008 express, workstation, standard, enterprise 64bit
	SQL Server 2008 R2 express, workstation, standard, enterprise 64bit
	SQL Server 2012 express, standard, enterprise
	SQL Server 2014 express, standard, enterprise
	SQL Server 2016 express, standard, enterprise
	SQL Server 2017 express, standard, enterprise
	SQL Server 2019 express, standard, enterprise
Minimum	SQL Server 2012 express, standard, enterprise
Web Service Software (IIS) ⁴	
Supported	IIS 6.0 or 7.0 on 32bit OS (Or running as 32bit process on 64bit OS)

NB: Additional relevant notes at foot of this document

Notes

1. Server Operating System

Desktop operating systems (Windows 8 and 10) are limited to 10 concurrent connections and are therefore not recommended for use on the Server or Web Server.

2. Web Server

The File Stream Web Server cannot be installed on a domain controller PC.

3. Server Memory

Allow for additional memory and disk storage on the Server if it is going to be shared with other functions such as Exchange Server, Mail Server or Domain Controller.

4. 64bit Support

Itanium (IA64) processors are not supported.

Itanium based operating systems (64bit IA64 versions) are not supported.

File Stream is a 32bit application. It is supported under WOW64, a feature of 64bit editions of Microsoft Windows that enables 32bit applications to execute natively in 32bit mode. On 64bit Windows any external code which uses the File Stream API must be compiled to run as a 32bit process and the Web Server IIS process must be configured to run as a 32bit process.

5. Workstation Memory

Opening large search results demands more memory in the Workstation PC. As a rule allow an extra 4 MB of memory (RAM) for every 1000 documents you are going to work with at the same time. Thus a search result containing 100,000 documents will require an additional 400 MB of memory.

6. Additional System Requirements

Please ensure that the Server and Web Server additionally meet with the minimum hardware and software requirements of the SQL Server edition used.

7. SQL

Which version of Microsoft SQL to choose depends on your requirements such as server performance, database size etc.

Note that the free Express edition can only use 1 GB of system memory and only one CPU on a multicore machine. It also limits each database to 4 GB in size (minimum, depending on the version). This means that additional resources on your server over and above this will not be used.

For larger systems we recommend the Standard or Workgroup editions.

8. Microsoft Office Support

MS Office 2013, 2016 and 2019 are supported for the Outlook add-in. 32bit and 64bit versions. Office 365 supported if installed locally (not Cloud based). **NB: If running 64bit Office, 64bit File Stream will need to be installed (vice-versa) for Outlook add-in compatibility.**