RecFind 6 Hardware and Software Prerequisites

As at February 2024, RecFind 6 version 3.0

New client requirements

RecFind 6 version 3.0 now utilizes the new RecFind 7 web client as its default client. The RecFind 7 web client runs in a browser. The old standard client, the .NET smart client, is still provided in version 3.0 form and this runs on a workstation as a 'fat' client for those customers preferring this older interface.

Application Server

Hardware Requirements

- Intel Single CPU, dual core Processor or better
- 16GB or more of RAM
- 10GB of free hard drive space
- High-speed network card

Software Requirements

- Windows Server 2019 or 2022
- Microsoft .NET Framework v4.7.2 of higher
- TLS 1.3
- NTLM (if using AD Authentication)

Database Server

Hardware Requirements

Note: for smaller sites, the Application Server & the Database Server can be the same machine

- Intel Single CPU, dual core Processor or better
- 16GB or more of RAM
- Minimum of 10GB* free hard drive space
- High-speed network card

Software Requirements

- Microsoft SQL Server 2019 or 2022 with mixed authentication & full-text indexing enabled.
- Windows Server 2019 or 2022
- TCP/IP & Named Pipes Protocols
- SQL Service Broker enabled

Web Server (Optional)

Hardware Requirements

Note: for smaller sites can be same server as Application Server or Database Server

- Intel Single CPU, dual core Processor or better
- 16GB or more of RAM
- 10GB free hard drive space
- High-speed network card

Software Requirements

- Windows Server 2019 or 2022
- IIS role enabled
- Microsoft .NET Framework v4.7.2 or higher
- TLS 1.3 (If App Server and DB Server are the same)
- NTLM (If App Server & DB server are the same)

Workstation / Client

Hardware Requirements

- Intel Single CPU, dual core Processor or better
- 16GB or more of RAM
- 5GB of free hard drive space
- High-speed network card

Software Requirements

- Microsoft Windows 10 (x86 or x64), Windows 11
- Microsoft .NET Framework v4.7.2
- Microsoft Office 2019 / Office 365 (if licensed for the Button)
- Microsoft Office Document Imaging ****
- Internet Explorer 11, Edge, Chrome, Safari, Firefox, Opera ***

Mobile Devices/Tablets

Hardware Requirements

Any tablet or mobile device able to connect via WiFi to the Internet and run a browser

Software Requirements

Any compatible browser able to run our Web Client, e.g., Edge on Surface, Safari on iPad

Scanner (Optional)

Hardware Requirements

- Any TWAIN compliant scanner

Software Requirements

- TWAIN driver

Firewall/Network Requirements

All workstations & servers with RecFind 6 components installed need to:

a) connect to port 808 of the RecFind 6 application server to obtain database connection information,

b) connect to the SQL Server for database access using the ports configured for SQL Server, and

c) connect to Knowledgeone's licensing web service (using HTTPS) at times.

Users using the Web Client and Mini-API product and/or the web services database connection option only need access to the web site port. They do not need any additional ports as the web server will connect to the various resources.

* The amount of required disk space depends upon the number of records you will store within the RecFind 6 SQL Server relational database. If you also store electronic documents and images (stored as Blobs in RecFind 6) then you will need to include these in your calculations. You should also opt for redundant configurations (e.g., RAID) wherever possible.

*** For the RecFind 6 Web-Client. Please ensure you have cookies and JavaScript enabled. TWAIN scanning currently only available on Windows and MacOS.

**** Optional. Required only if scanning documents and selecting those documents that are to be OCR'd using client-side processing (and not server side, which is the default).

Real or Virtual Servers?

Either is supported.

Citrix/Terminal Services

RecFind runs fine under both.

Dedicated or Shared SQL Server?

Either is supported.

Optimum Performance

Optimum performance is achieved with additional memory (RAM), faster processors and multiple processors. Where possible, always opt for the latest technology CPUs, RAM and multiple CPUs. Both the RecFind 6 web server and the RecFind 6 database server will utilize multiprocessor technology for improved performance.

People time is expensive, hardware is cheap!

Wherever possible upgrade the hardware configuration to facilitate improved productivity. Please spend a small amount of money once on the server rather than spending a lot of money every day on staff time wasted because of poor response times.

Summary

- Multiple CPUs are better than single CPUs, especially on the Database server because SQL Server will automatically use them to improve performance.

- Multiple cores are better than single cores.

- Faster CPUs are better than slower CPUs.

- More RAM is better, especially on the Database server because SQL Server will automatically use it to improve performance.

- Multiple servers are better, but RecFind 6 will happily run on a single server given that it has enough resources.

- RecFind 6 will happily run on virtual servers just as it will happily share a database server and an instance of SQL Server. However, please ensure that your virtualized 'share' or 'slice' of the physical server has enough resources.

- As 90% plus of RecFind 6 processing takes place on the Database server this should always be the most powerful server.