

Table of Contents

Introduction	2
General Statement	2
Backup and Recovery Requirements	2
Important Information about Memory and SQL	2
Microsoft SQL Requirements	2
Small Business Servers	2
Server Operating System Platforms	2
Remote Site Connectivity and Printing	3
Virtualization.....	3
General Requirements for all Configurations.....	3
SQL RFMS System Specifications and Recommendations.....	5
Single User.....	5
Workgroup (For 2 - 5 User configurations only).....	5
Dedicated File Server (For 5 – 15 User Configurations only)	6
Printers	7
Printers (All Systems).....	7
Printer Specifics	7

Introduction

General Statement

Unless otherwise noted, recommendations listed are Minimum System Requirements for RFMS. **If you have more than 15 users or if your database is larger than 1GB in size, please consult RFMS and your Local IT Professional.** These Recommendations are for a Server Running SQL Express for RFMS and do not take in consideration any other SQL Instances or SQL Programs.

Backup and Recovery Requirements

<http://www.rfms.com/Documents/SQLBackupProcess.pdf>

Important Information about Memory and SQL

The amount of memory required for Microsoft SQL is determined by the size of the database. For example, if your SQL Database is 1GB in size, then SQL will typically take up ½ to ¾ of that amount in memory. In our example above of a 1 GB Database, the memory taken up should be around 500 MB to 750MB.

Microsoft SQL Requirements

Unless you currently have Microsoft SQL installed on your System, MS SQL 2008 Express will be included with the SQL RFMS Version CD.

If you have SQL installed already you will need to set it to mixed mode (Windows Authentication and SQL Authentication) and supply a password for the SA Account.

SQL 2005 = <http://www.microsoft.com/sqlserver/2005/en/us/system-requirements.aspx>

SQL 2008 R2 = <http://msdn.microsoft.com/en-us/library/ms143506.aspx>

Note: SQL 2000 is no longer supported by RFMS

Small Business Servers

We have seen issues running Small Business Servers with the SQL RFMS Version. Typically the issue is that Exchange, Terminal Server, and Microsoft SQL are competing for memory and thus cause performance issues. This is why we don't recommend SBS Servers. We also recommend that you have Microsoft SQL split from your Terminal Server for similar reasons.

The SQL Server should be separate from all other Roles like Exchange and Terminal Server

Server Operating System Platforms

RFMS will operate on both 32 bit Operating Systems and 64 bit Operating Systems. If going with a 64 bit Operating System make sure that you have the appropriate version of SQL for this Operating System

Note: If running a 64 bit Operating System, it is advantageous to run the 64 bit version of SQL, but not required.

Server Processors

While our specifications state Pentium IV Processors, this would be minimum processor needed to run RFMS. If running a Dedicated Server we recommend going with a higher end processor.

Remote Site Connectivity and Printing

Remote Connectivity

For Remote Site Connectivity, Terminal Server or Citrix is required. Because of the complex nature of Wide Area Networking and the many variables you will want to contact your Terminal Server or Citrix specialist for assistance in the network design and setup prior to the installation of RFMS.

It is not recommended that you run SQL Server on the same physical server that you are running Terminal Services or Citrix. Terminal Services and Citrix are very resource intensive and will significantly affect the performance of the SQL Server.

Remote Printing

Printers can be setup two different ways:

1. UPD : Universal Printer Drivers on the Terminal Server . If setup and configured, any printer not native to the Terminal Server will be assigned to the Universal Printer Driver.
2. Installing actual Printer Drivers on the Terminal Server. This must match exact (driver, pcl type, etc...)

Note: Make sure that the printer is a Terminal Server or Citrix Certified Printer. Installing a non Terminal Server or Citrix Certified Printer can cause problems on the Terminal Server.

Virtualization

RFMS can be run on a Virtual Server. If going with a Virtualized Server make sure that the Host Server and the Virtual Servers have enough Resources to run optimally (CPU, Memory, Hard Drive Space, etc...)

General Requirements for all Configurations

- Internet connection for procuring RFMS Downloads from the RFMS Website. High speed internet connection (i.e. Cable Modem or DSL) required.

RFMS SQL System Specification and Recommendations

- At least one printer, with cable. See the PRINTERS section for detailed specifications.
- Provision for doing daily backups (Tape Drive). We recommend a media rotation system for backup. Contact RFMS Inc. for details. CD-Rom & DVD-Rom BACKUPS ARE NOT SUFFICIENT.
- An uninterruptible power supply (UPS) is required. This UPS is a battery-backup unit. A simple surge-suppressor is NOT sufficient.
- Unless you currently have MS SQL installed already, MS SQL 2008 express will be shipped with RFMS SQL Version.
- Wired Ethernet Network hardware and cabling system
- CD-ROM drive, video card capable of 1024x768 resolutions at 16 bit color depth.
- Monitor resolution: Recommended size (1280x1024); minimum size (1152x826/1366x768 widescreen)

Note: Windows 95, Windows 98, Windows ME, XP Home, Vista Home, Windows Home Server, Windows 7 Home, Windows 2000, and Server 2000 are not supported operating systems

Note: Microsoft SQL 2000 is no longer supported by RFMS

Installation Documentation for RFMS Conversion/Installation is located on the Install CD under the SQLEXPRESS2008\Documentation Folder

SQL RFMS System Specifications and Recommendations

Single User

- Pentium-IV 3.0 Ghz or faster computer, 4 GB or greater RAM, with 40 GB or larger hard drive (Minimum required: Pentium-IV 1.0 GHz, 2 GB RAM, 20 GB hard drive). **Note: Amount of memory is determined by the size of the Database.**
- Windows XP Professional (sp2) or higher, Vista Business, Vista Ultimate, Windows 7 Professional or Windows 7 Ultimate operating system
- Unless you currently have MS SQL installed already, MS SQL 2008 express will be shipped with the RFMS SQL Version. **Installation Documentation is located on the Install CD.**

Note: SQL 2000 is no longer supported by RFMS

Workgroup (For 2 - 5 User configurations only)

Server

- Pentium-IV 3.0 Ghz or faster computer, 4 GB or greater RAM, with 40 GB or larger hard drive (Minimum required: Pentium-IV 1.0 GHz, 2 GB RAM, 20 GB hard drive). **Note: Amount of memory is determined by the size of the Database.**
- For the Server Operating System we recommend Windows 2003 Server (Standard or Enterprise) with SP 1 or higher, Windows 2008 Server (Standard or Enterprise), Windows XP with sp2 or higher, Vista Business, Vista Ultimate, Windows 7 Professional, or Windows 7 Ultimate. For peer to peer networks over 5 users, a Server Operating System is required (Server 2003 or Server 2008)
- Unless you currently have MS SQL installed already, MS SQL 2008 express will be shipped with the SQL RFMS Version. **Installation Documentation is located on the Install CD.**

Note: SQL 2000 is no longer supported by RFMS

Workstation Computers

- Pentium-IV 3.0 GHz or faster computer, 2 GB or greater RAM, with 40 GB or larger hard drive (Minimum required: Pentium-IV 1.0 GHz, 1 GB RAM, 20 GB hard drive).
- Windows XP Professional (sp2), Vista Business, Vista Ultimate, Windows 7 Professional or Windows 7 Ultimate operating system

Dedicated File Server (For 5 – 15 User Configurations only)

Server

- Pentium-IV 3.0 Ghz or faster computer, 4 GB or greater RAM, with 40 GB or larger hard drive (Minimum required: Pentium-IV 1.0GHz, 2 GB RAM, 20 GB hard drive). **Note: Amount of memory is determined by the size of the Database.**
- For the Server Operating System we recommend Windows 2003 Server (Standard or Enterprise) with sp 1, or Server 2008 (Standard or Enterprise).
- Unless you currently have MS SQL installed already. MS SQL 2008 express will be shipped with the SQL RFMS Version. **Installation Documentation is located on the Install CD.**

Note: SQL 2000 is no longer supported by RFMS

Workstation Computers:

- Pentium-IV 3.0 Ghz or faster computer, 2 GB or greater RAM, with 40 GB or larger hard drive (Minimum required: Pentium-IV 1.0 GHz, 1 GB MB RAM, 20 GB hard drive).
- Windows XP Professional (sp2), Vista Business, Vista Ultimate, Windows 7 Professional or Windows 7 Ultimate Operating Systems

Printers

Printers (All Systems)

- MULTIFUNCTION PRINTERS ARE NOT RECOMMENDED. Multifunction printers are printers that combine printing functions with features such as, built in scanning, faxing and copying.
- When printing is desired via network printers and not local printers on every workstation, Windows Print Sharing is not sufficient. An HP JetDirect or compatible print server will be required.
- RFMS Does NOT SUPPORT the use of Dot-Matrix Printers with the RFMS for Windows Software. Certain reports will not print correctly on these printers, since they are designed to print landscape on Legal Paper.
- We have had clients have issues with the HP 1000 and HP 1020 Series Printers due to a Formatting issue on the Printer Driver itself.

Printer Specifics

Laser Printers:

RFMS recommends Hewlett-Packard laser printers in the LaserJet 4 series and later. But any Printer that can print in Windows should print from RFMS Windows.

Laser printers must be:

- 100% compatible with the Hewlett-Packard LaserJet 4 series or later
- Capable of using PCL5 or PCL 5e
- Capable of PC-8 symbol-set support
- Capable of condensing or scaling print to 19cpi or smaller
- Capable of printing on Legal-size paper (8.5x14) as well as Letter-size paper (8.5x11)
- Can be parallel, USB, or Network

Inkjet Printers:

RFMS recommends Hewlett-Packard Inkjet Printers. But any Printer that can print in Windows should print from RFMS Windows.

Inkjet printers must be:

- Capable of using PCL5 or PCL 5e
- Capable of condensing or scaling print to 18cpi or smaller
- Capable of printing on Legal-size paper (8.5x14) as well as Letter-size paper (8.5x11)
- Can be parallel, USB, or Network