MRI

Property Management
Version 10.3
System Requirements

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Every released version of MRI products gets its own release notes. However, guides are only updated when changes have been made to product features that require changes to documentation. If there is no guide specific to your version, use the most recent corresponding document (which may refer to an earlier version of the software).

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MRI for Windows System Requirements 1

This chapter provides hardware and software requirements for preparing your network to run MRI for Windows.

These configurations are for typical installations. For multiple-server or other special installations, contact MRI Global Professional Services.

Installation Components

The table below describes the major required components for an MRI installation.

Component	Description
File server	The file server hosts MRI program files.
Database server	The database server processes database queries and hosts the following types of MRI databases: ▪ **System database**—Stores system information, such as licensing, security, and configuration. ▪ **Application database**—Stores property and accounting information. You can have one or more application databases. **Note** For best system performance, MRI Software recommends you host databases on a dedicated database server.
Workstations	Workstations provide users access to MRI applications.
Terminal server *(Optional)*	The terminal server provides remote access to MRI for Windows using Terminal Services.

File Server Requirements

Component	Requirement
Operating system	One of the following server operating systems: ▪ Windows Server 2008 R2 all editions ▪ Windows Server 2012 R2 all editions **Note** MRI Software performs the majority of functional and regression testing on the latest released versions. At the time of this release, the following are the latest versions: ▪ Windows Server 2008 R2 SP1 ▪ Windows Server 2012 R2
Processor and memory	For minimum requirements, refer to the system requirements for your server's operating system. ▪ For Windows Server 2008 R2, refer to http://technet.microsoft.com/en-US/library/dd379511. ▪ For Windows Server 2012 R2, refer to http://technet.microsoft.com/en-us/library/dn303418.aspx. **Note** Requirements increase as the number of concurrent users increases. More memory, processors, and higher speed will likely improve performance.
Available disk space	Disk space requirements are based on the amount of stored data and reports.
Drive type	Enterprise class storage, such as SCSI, SATA, or SSD. **Note** Disk subsystems can have dramatic impact on SQL Server performance and should be scaled to compensate for additional users and database loads.

Database Server Requirements

Caution!
MRI Software does not support SQL Server on a domain controller or messaging system.

Component	Requirement
Operating system	MRI 10.3 is supported on the following server operating systems: ▪ Windows Server 2008 R2 all editions ▪ Windows Server 2012 R2 all editions **Note** MRI Software performs the majority of functional and regression testing on the latest released versions. At the time of this release, the following are the latest versions: ▪ Windows Server 2008 R2 SP1 ▪ Windows Server 2012 R2
Database system	MRI 10.3 is supported on the following database systems: ▪ Microsoft SQL Server 2008 all editions (32-bit and 64-bit) ▪ Microsoft SQL Server 2008 R2 all editions ▪ Microsoft SQL Server 2012 all editions ▪ Microsoft SQL Server 2014 all editions ▪ Microsoft SQL Server 2014 Express **Note** MRI Software performs most functional and regression testing on the latest released versions. At the time of this release, the following are the latest versions: ▪ Microsoft SQL Server 2008 R2 SP2 ▪ Microsoft SQL Server 2012 SP1 ▪ Microsoft SQL Server 2014 SP2

(Continued)

Component	Requirement
Processor and memory	For minimum requirements, refer to the system requirements for your SQL Server version.
	▪ For SQL Server 2008 and 2008 Express, refer to http://msdn.microsoft.com/en-us/library/ms143506%28v=sql.100%29.aspx.
	▪ For SQL Server 2008 R2, refer to http://msdn.microsoft.com/en-us/library/ms143506(v=sql.105).aspx.
	▪ For SQL Server 2012, refer to http://msdn.microsoft.com/en-us/library/ms143506(v=sql.110).aspx.
	▪ For SQL Server 2014, refer to https://msdn.microsoft.com/en-us/library/ms143506(v=sql.120).aspx.
	Note
	Requirements increase as the number of concurrent users increases. More memory, processors, and higher speed will likely improve MRI performance.
Available disk space	Disk space requirements are based on the amount of stored data and reports.
Drive type	Enterprise class storage, such as SCSI, SATA, or SSD.
	Note
	Disk subsystems can have dramatic impact on SQL Server performance and should be scaled to compensate for additional users and database loads.

Network Workstation Requirements

Component	Requirement
Operating system	MRI 10.3 is supported on the following operating systems: ▪ Windows 7 Professional, Enterprise, or Ultimate (32-bit and 64-bit) ▪ Windows 8 Basic, Pro, or Enterprise (64-bit) **Note** Panini check scanners are only supported on Windows 7.
Additional components	▪ Microsoft .NET Framework 4.5.2 ▪ Microsoft Windows Installer 3.1 ▪ Microsoft Data Access Components (MDAC) 2.8 ▪ Microsoft Core XML Services (MSXML) 6.0 ▪ Microsoft SQL Server 2008 Native Client ▪ Microsoft SQL Server 2008 Management Objects ▪ Microsoft SQL Server 2012 Management Objects ▪ Microsoft SQL Server System CLR Types **Note** Workstations connecting to MRI through Citrix do not require these components. However, these components are required on the Citrix server.
Processor	2 GHz recommended For minimum requirements, refer to the Microsoft system requirements for your operating system. ▪ For Windows 7, refer to http://windows.microsoft.com/en-US/windows7/products/system-requirements. ▪ For Windows 8, refer to http://windows.microsoft.com/en-us/windows-8/system-requirements.

Component	Requirement
Memory	MRI Software recommends 2 GB or more of memory.
	For minimum requirements, refer to the Microsoft system requirements for your operating system.
	▪ For Windows 7, refer to http://windows.microsoft.com/en-US/windows7/products/system-requirements.
	▪ For Windows 8, refer to http://windows.microsoft.com/en-us/windows-8/system-requirements.
	Note
	Memory requirements increase as additional applications are installed. Increasing memory on the workstation provides the greatest performance gain.
	(Continued)
Available disk space	For minimum requirements, refer to the Microsoft system requirements for your operating system.
	▪ For Windows 7, refer to http://windows.microsoft.com/en-US/windows7/products/system-requirements.
	▪ For Windows 8, refer to http://windows.microsoft.com/en-us/windows-8/system-requirements.
	Disk space requirements are based on the amount of stored data and reports.
Connection to SQL Server	100 megabits per second (Mbps).

Terminal Server Requirements

Component	Requirement
Server operating system	MRI 10.3 is supported on the following server operating systems:
	▪ Windows Server 2008 R2 all editions
	▪ Windows Server 2012 R2 all editions
	Note
	Citrix can be used for additional functionality.
	MRI Software performs the majority of functional and regression testing on the latest released versions. At the time of this release, the following are the latest versions:
	▪ Windows Server 2008 R2 SP1
	▪ Windows Server 2012 R2

Component	Requirement
Additional components	▪ Microsoft .NET Framework 4.5.2 ▪ Microsoft Windows Installer 3.1 ▪ Microsoft Data Access Components (MDAC) 2.8 ▪ Microsoft Core XML Services (MSXML) 6.0 ▪ Microsoft SQL Server 2008 Native Client ▪ Microsoft SQL Server 2008 Management Objects ▪ Microsoft SQL Server 2012 Management Objects ▪ Microsoft SQL Server System CLR Types **Note** Workstations connecting to MRI through Citrix do not require these components. However, the components are required on the Citrix server. *(Continued)*
Processor and memory	For minimum requirements, refer to the Microsoft system requirements for your operating system. ▪ For Windows Server 2008 R2, refer to http://technet.microsoft.com/en-US/library/dd379511. ▪ For Windows Server 2012 R2, refer to http://technet.microsoft.com/en-us/library/dn303418.aspx. **Note** Requirements increase as the number of concurrent users increases. More memory, processors, and higher speed will likely improve MRI performance.
Drive type	Enterprise class storage, such as SCSI, SATA, or SSD.

Additional Tools

You may need to download the following programs for various purposes:

- For any system used to manage the MRI database server, download Microsoft SQL Server Management Studio or SQL Server Management Studio Express.

- To view MRI user guides or PDF report exports, download Adobe Reader.

- For any machine that will be generating or opening Microsoft Excel reports, download Excel 2007, 2010, or 2013.

- For any machine that will be generating or opening Microsoft Word reports, download Word 2007, 2010, or 2013.

MRI for the Web System Requirements 2

This chapter provides hardware and software requirements for preparing your network to run MRI 10.3 for the Web and MRI•GO.

Note

MRI•GO is a feature of MRI for the Web powered by the MRI Search service. This document includes information about requirements for the MRI Search service.

These configurations are for typical web installations. For multiple-server or other special installations, contact MRI Global Professional Services.

Server Requirements

This section covers the minimum requirements for web servers, single servers, primary application servers, secondary application servers, API servers, and MRI Search servers.

Component	Requirement
Operating system	MRI 10.3 is supported on the following server operating systems: ▪ Windows Server 2008 R2 all editions ▪ Windows Server 2012 R2 all editions **Note** MRI Software performs the majority of functional and regression testing on the latest released versions. At the time of this release, the following are the latest versions: ▪ Windows Server 2008 R2 SP1 ▪ Windows Server 2012 R2
Processor and memory	For minimum requirements, refer to the Microsoft system requirements for your server's operating system. ▪ For Windows Server 2008 R2, refer to http://technet.microsoft.com/en-US/library/dd379511. ▪ For Windows Server 2012 R2, refer to http://technet.microsoft.com/en-us/library/dn303418.aspx. **Note** Requirements increase as the number of concurrent users increases. More memory, processors, and higher speed will likely improve MRI performance.
Drive type	Enterprise class storage, such as SCSI, SATA, or SSD.

Workstation Requirements

Component	Requirement
Web browser for accessing MRI for the Web	MRI 10.3 is supported on the following browsers: • **Internet Explorer**—Versions 9, 10, and 11 **Caution!** Compatibility modes are not supported. **Note** With the release of MRI 10.0, Internet Explorer 7 and 8 are no longer supported. • **Chrome**—Latest two versions • **Firefox**—Latest two versions • **Safari**—Latest two versions **Note** Resident Portal and Online Leasing are only supported on Internet Explorer 9, 10, and 11.
Device with web browser for accessing MRI	MRI 10.3 is supported on the following devices and respective browsers: • iPad 2 (iOS 7) and later with Mobile Safari • Android tablet with the latest two versions of Chrome • Windows 8 RT with Internet Explorer 11
Display magnification	MRI Software recommends setting your operating system and browser at 100% magnification.

Note

Panini check scanners are only supported on Windows 7.

Additional Software Requirements

Refer to the table below for software requirements pertaining to each of the following server types:

- Single servers
- Web servers
- Primary application servers
- Secondary application servers
- API servers

Application	Action
Microsoft Internet Information Services (IIS) 7.X or 8.X	**Note** This requirement does not apply to primary or secondary application servers. The installer checks your server for IIS, and if it is not present, you will be directed to install it before continuing. IIS can be installed from the Windows Server installation file. If you use Windows Server 2008 R2 on your web server, you must ensure IIS 7.5 is installed with specific role services, such as ASP.NET and IIS 6.0 metabase compatibility. For more information, refer to the *Installation Guide*.
Microsoft Message Queuing Center (MSMQ)	The installer checks your server for MSMQ. If MSMQ is not present, you will be directed to install it before continuing.
.NET Framework 4.5.2	The required version of .NET Framework is included with the installation file. If your server does not have the correct version of .NET Framework or does not have .NET Framework at all, you can have the correct version installed on a server as part of the installation process.
Microsoft Data Access Components (MDAC) version 2.8 or later	This application is required for database connectivity. The installer checks your server for MDAC, and if it is not present, you will be directed to install it before continuing.

Single Sign-On (SSO) Requirements **3**

SSO is an optional feature for the web version of MRI that requires a WS-Federation identity provider (IdP).

Component	Requirement
WS-Federation identity provider	Microsoft Active Directory Federation Services (AD FS) 3.1, running on Windows Server 2012 R2. **Note** HTTPS is required for both the IdP and the MRI web servers. Clients with Resident Connect or Access 24/7 should install the Resident Connect Password Reset plug-in, which allows MRI users to update their Resident Connect and Access 24/7 passwords. For more information on installing this plug-in, refer to the *Installation Guide*. For more information on AD FS, refer to the following Microsoft website: https://technet.microsoft.com/en-us/library/hh831502.aspx