M-Files 2015
Technical Data Sheet

Supported Operating Systems

M-Files Client:
- Windows 8 and 8.1
- Windows 7
- Windows Vista
- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2
- Windows Server 2008

M-Files Server:
- Windows Server 2012 R2 (recommended)
- Windows Server 2012 (recommended)
- Windows Server 2008 R2 (recommended)
- Windows Server 2008
- Windows Server 2003 Service Pack 2 or later*
- Windows 8 and 8.1
- Windows 7
- Windows Vista

M-Files 2015 Clients are not compatible with Windows XP. Windows XP users can use M-Files 2015 Server with 9.0 Client. M-Files 2015 Clients also require Internet Explorer 9 or newer.

*) Enabling M-Files Web Access requires Windows Server 2008 or later. Web Access also requires Internet Information Services (IIS) and ASP.NET 4.0 or later on the server.

It is not recommended to install M-Files Server on a computer that is also used as a Microsoft domain controller.

32/64-bit Support

M-Files is available in both 32-bit and 64-bit versions. Both M-Files Server and M-Files Client can be installed and used with either 32- or 64-bit editions of Windows.

Processor and RAM Requirements (M-Files Server)

Minimum:
- 1 Intel Pentium or Celeron processor
- 1 GB of RAM

Recommendations for up to 50,000 objects:
- 1 or 2 Intel Xeon processors
- 4 GB of RAM
- RAID-1 or RAID-5 disks

Recommendations for up to 1,000,000 objects:
- 2 or 4 Intel Xeon processors
- 16 GB of RAM
- RAID-1 or RAID-5 disks
- 64-bit operating system
- MS SQL Server 2012 or 2014 Standard or Enterprise Edition

Recommendations for more than 1,000,000 objects:
- 4 Intel Xeon processors
- 32 GB of RAM
- RAID-1 or RAID-5 disks
- 64-bit operating system
- MS SQL Server 2012 or 2014 Standard or Enterprise Edition

Consult M-Files Corporation for requirements and best practices in environments with more than 1,000,000 objects.

Supported Operating Systems for M-Files Mobile Apps

- Windows Phone 8.0/8.1
- iOS 7.0 or later
- Android 2.3.3 or later

Disk Space Requirements (M-Files Server)

Metadata database:

- Local hard disk drive.
- 2 GB of disk space for 100,000 objects.
- 20 GB of disk space for 1,000,000 objects.

Consult M-Files Corporation for requirements and best practices in environments with more than 1,000,000 objects.

File data:

- Local hard disk drive OR network file server.
- Sufficient disk space for storing the document files.

M-Files uses a binary delta algorithm to process old versions of document files. This reduces the disk space consumption of old file versions considerably.

Administrators can free disk space by archiving or destroying old versions.

Database Engine and Data Storage

M-Files Server includes Firebird Embedded, a powerful SQL database engine. Firebird is the default database engine of M-Files. Purchasing additional database software is thus not required. When using Firebird as the database engine of M-Files, the metadata of documents and other objects will be stored in a SQL database. The data files of objects are stored in the file system.

Optionally, Microsoft SQL Server 2008, 2008 R2, 2012 or 2014 can be used as the database engine of M-Files for better performance and support for larger repositories. M-Files supports all the editions, for example, Express Edition, Standard Edition, and Enterprise Edition. When using Microsoft SQL Server as the database engine of M-Files, the metadata of documents and other objects will be stored in a SQL database. The data files of objects can be stored either in the MS SQL database or in the file system. MS SQL Server can be installed on the M-Files Server computer, or alternatively, the M-Files Server computer can connect to an existing SQL Server farm. In the latter case, the processor and RAM requirements of the M-Files Server may be smaller than indicated above.

M-Files uses Unicode and thus supports storing and finding data in East Asian languages, too.

Network Communication

M-Files Windows Client communicates with M-Files Server via TCP/IP or HTTPS protocol. M-Files Web Access and Mobile Apps communicate with M-Files Server via HTTP or HTTPS protocol.

It is recommended to use encrypted connections in all client-to-server communication. For more information, see Protecting Data in Transit with Encryption in M-Files.

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Special Environments

M-Files is compatible with the following special environments:

- Remote Desktop Services (Terminal Services).
- Citrix XenApp. Using M-Files with Citrix XenApp requires special configuration.
  For more information, see M-Files and Citrix XenApp.
- Linux file servers.
- Novell networks.

User Authentication

M-Files supports two authentication methods (can be mixed):

- Windows authentication:
  Users are authenticated using their Windows account names and passwords. Login accounts can be imported from Active Directory (LDAP).

- M-Files authentication:
  Users are authenticated with usernames and passwords specified within M-Files.

M-Files supports using pre-shared keys for an additional level of security. For more information, see Securing Access to M-Files Vaults with a Pre-Shared Key.

Database Connections

M-Files Server can be integrated with existing databases, such as CRM and ERP databases. All databases with an OLE DB or ODBC driver are supported (includes SQL Server, Access, Oracle, and MySQL).

Application Programming Interface (API)

M-Files includes an ActiveX/COM API. Supported languages include VB.NET, C#, Visual Basic, VBScript, and C++. Additionally, M-Files includes the M-Files Web Service API that allows programmatic access to M-Files through a REST-like interface.

The M-Files API and its documentation are included within the installation of the M-Files software. The M-Files Web Service API is documented at: www.m-files.com/mfws.

The M-Files UI Extensibility Framework allows external add-ins (M-Files Applications) to customize the behavior of the M-Files Client. With these applications, the M-Files experience can be changed to better match specific business areas and needs. For more information, please refer to the Developer's Guide of the M-Files UI Extensibility Framework.

Backups and Maintenance

M-Files automatically optimizes the vault database once a week. No other regular database maintenance is needed.

M-Files supports scheduled full and differential backups.

When using Firebird as the database engine, document vaults are backed up using the M-Files Server Administrator tool.

When using Microsoft SQL Server as the database engine, document vaults are backed up using the management tools of Microsoft SQL Server and file-system level backup tools. Any backup system compatible with Microsoft SQL Server can be used.

Technical Inquiries

Send technical inquiries to support@m-files.com.

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