

FileMaker

Running FileMaker Pro 7 on Windows Server 2003 Terminal Services



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Credits are listed in the Acknowledgements document provided with this software.

For more information, visit our web site at www.filemaker.com.

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Chapter 1

Introduction to Windows Server 2003 Terminal Services

About Windows Server 2003 Terminal Services

Terminal Services is a Windows Server 2003 component that lets you remotely access applications installed on a Windows Server 2003 machine from a wide range of machines over most types of network connections.

Terminal Services has three components: the server, the client, and the protocol by which the server communicates with the client.

Terminal Services server

When you are running Terminal Services in application server mode, all applications are run on the server. The Terminal Services server sends only screen information to the client and receives input only from the mouse and keyboard.

Terminal Services client (Remote Desktop Connection)

The Terminal Services client, called Remote Desktop Connection (RDC), uses thin-client technology to provide the Windows Desktop to users. The client only needs to make a connection with the server and display the visual information that the server sends.

Remote Desktop Protocol (RDP)

The Remote Desktop Protocol (RDP) is automatically installed when you install Terminal Services. RDP is the only connection you need to configure in order for clients to connect to the Terminal Services server. You can configure only one RDP connection per network adapter.

Benefits of using Windows Server 2003 Terminal Services

- Organizations can deploy Windows-based applications on older systems that may have inadequate resources.
- Users can continue to use their current operating system and applications.
- Organizations can deliver Windows-based applications to a variety of desktop environments and over LANs and WANs.
- Administrators only need to install and update one copy of an application on a server machine instead of on all the computers in their network.
- Networked applications will perform better over slow network connections.

System requirements

The hardware requirements for Windows Server 2003 Terminal Services depend mainly on how many clients will be connecting at a time and the usage requirements of the clients.

Terminal Services server minimum requirements

- 133 MHz or higher Pentium processor; 550 MHz recommended
- 128 MB RAM; 256 MB RAM recommended
- 2 GB hard disk with a minimum of 1 GB free space
- Additional 10 to 20 MB RAM per client connection

Terminal Services client minimum requirements

- Intel Pentium computers running Windows XP

The following Win32 client is supported by FileMaker, Inc. at this time. Other clients may work as expected but have not been tested with FileMaker® Pro 7 and are not currently supported.

- Terminal Services Advanced Client (TSAC) running in Internet Explorer 6.0

Windows Server 2003 Terminal Services shares executable resources among users, so memory requirements for additional users running the same application are less than the requirements for the first user to load the application.

For improved performance use:

- High-performance bus architecture such as EISA, MCA, or PCI. The ISA (AT) bus cannot move enough data to support the kind of traffic that is generated by a typical Terminal Services installation.
- A SCSI disk drive, preferably one that is compatible with Fast SCSI or SCSI-2. To improve disk-access time, use a SCSI disk drive with RAID.
- A high-performance network adapter. Consider having two network adapters in the server machine and designate one for RDP traffic only.

Installing Windows Server 2003 Terminal Services client software (Remote Desktop Connection)

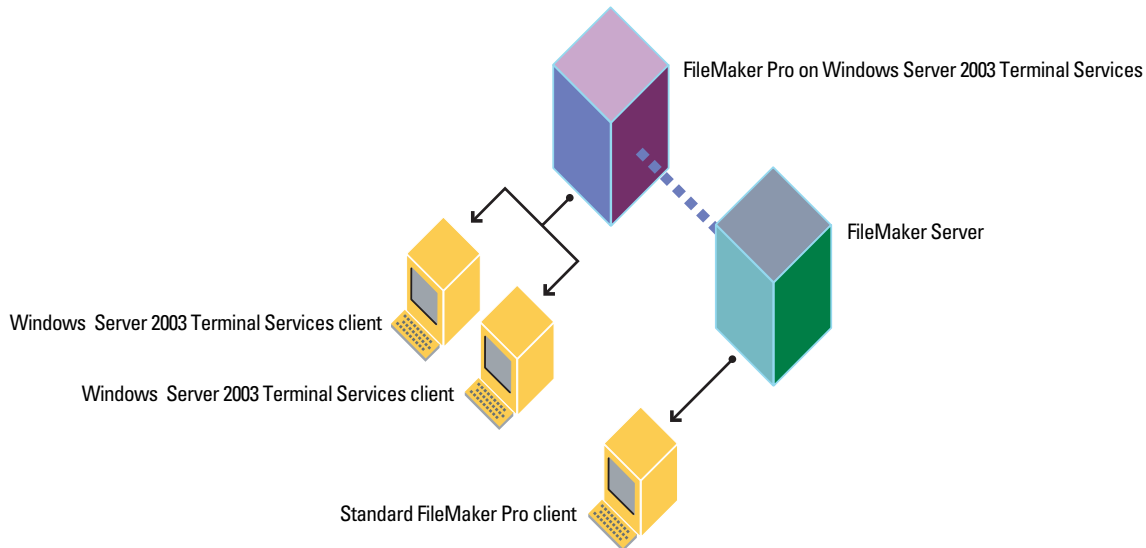
Windows Server 2003 Terminal Services client software (Remote Desktop Connection) should be installed on every machine that needs to use Terminal Services. If you are using Windows Server 2003 or Windows XP, the Remote Desktop Connection software is installed by default. You can also use Remote Desktop Web Connection.

Information about upgrading to the Remote Desktop Connection software is available on the Microsoft web site:

- www.microsoft.com/technet/prodtechnol/windowsserver2003/proddocs/standard/rdesktopS_setup_getclient.asp

Chapter 2

Using FileMaker Pro 7 with Windows Server 2003 Terminal Services



Installing FileMaker Pro 7 on a Terminal Services server

Note This installation requires FileMaker Pro 7 Worldwide English (Volume License or Site License is required).

To install FileMaker Pro on a Windows Server 2003 Terminal Services server:

1. Make sure Terminal Services has already been installed and configured on your Windows Server 2003 machine and you are logged on as administrator.
2. In the Control Panel, double-click Add/Remove Programs.

Note Do not directly access the Setup icon on your FileMaker Pro Volume License or Site License CD.

3. Click Add New Programs.
4. Click CD or Floppy, then click Next. The FileMaker Pro InstallShield Wizard appears.
5. When the License Agreement panel appears, read the Software License Agreement. If you accept the terms of the license agreement, click I Accept.
6. Install FileMaker Pro by following the on-screen instructions.

For details about installation issues, see "Installation notes" on page 9 of the *Installation and New Features Guide for FileMaker Pro and FileMaker Developer*.

7. Click Finish when Add/Remove Programs has finished the installation.

Deployment recommendations

- Terminal Services requires a minimum of 128 MB RAM (256 MB RAM recommended by Microsoft). An additional 10-20 MB RAM is required for each subsequent Terminal Services client running FileMaker Pro.
- Estimate more RAM per client if your solution is memory-intensive or if you are serving multiple applications in addition to FileMaker Pro.

- Use a fast Pentium processor, preferably a Pentium III or Pentium 4.

FileMaker supports deployment and development of FileMaker Pro solutions running on Windows Server 2003 Terminal Services. Some aspects of development may not function as expected when using Terminal Services clients as a FileMaker development environment. For more information on known technical issues when using Terminal Services clients as a FileMaker development environment, see www.filemaker.com/support.

Environments for deploying FileMaker Pro 7 files

Non-shared files

Terminal Services clients can access FileMaker Pro files that are not shared over a network. Non-shared files can be developed and deployed by Terminal Services clients just like any non-shared FileMaker Pro file. Shared files and peer-to-peer hosting (FileMaker Network Sharing) are not supported on Terminal Services clients.

Note To turn off sharing for a specific file, choose Edit menu > Sharing > FileMaker Network (Windows) or FileMaker Pro menu > Sharing > FileMaker Network (Mac OS), select the file, then select No users.

Connecting to FileMaker Server 7

Use FileMaker Server 7 to host files to the Terminal Services server. The Terminal Services server deploying FileMaker Pro will access FileMaker Server to host FileMaker Pro files to Terminal Services clients as well as local FileMaker Pro clients. When a user opens FileMaker Pro running on Terminal Services, accessing FileMaker Pro files hosted by FileMaker Server is done in the same way as accessing FileMaker Server under normal networking conditions. For more information, see “Opening shared files as a client” in chapter 4 of the *FileMaker Pro User’s Guide*.

Note FileMaker Server should not be installed on the same machine with Windows Server 2003 Terminal Services.

FileMaker Pro 7 feature issues

Features not supported for Terminal Services clients:

- FileMaker Network Sharing
- Instant Web Publishing
- ODBC/JDBC sharing
- Third party plug-ins. Plug-in developers must test and certify their support for the plug-ins they supply to run under Terminal Services.

TechInfo database articles

Check the TechInfo database for articles regarding running FileMaker Pro 7 on Windows Server 2003 Terminal Services. You can access the TechInfo database from www.filemaker.com/support.

Appendix A

Standard requirements

FileMaker, Inc. standard requirements

In order to use FileMaker Pro Worldwide English via Windows Server 2003 Terminal Services, you must purchase a Volume License Agreement (VLA) or a Site License (SLA). Retail packages of FileMaker Pro cannot be used with Terminal Services.

Volume License Agreement (VLA)

The FileMaker VLA is a transactional agreement that grants you the right to install the software on as many computers as are listed on your custom license certificate.

To download a PDF file containing information about the VLA see:

- www.filemaker.com/products/choose_license.html

then click Download program overview.

Site License Agreement (SLA)

The FileMaker SLA allows for any combination of FileMaker Pro, FileMaker Server, FileMaker Developer, and FileMaker Mobile to be installed anywhere in your organization of 50 or more employees or computers.

To download a PDF file containing information about the SLA see:

- www.filemaker.com/products/choose_license.html

then click Download program overview.

For more information on licenses, please call 1-800-725-2747 (holidays excluded). See www.filemaker.com for details.

Windows Server 2003 license requirements

Each client computer, regardless of the operating system running on that computer, must have a Windows Server 2003 Client Access License (CAL) if the client accesses the server for file, print, and other network services, regardless of whether they are using Terminal Services. For more information see:

- www.microsoft.com/windowsserver2003/howtobuy/licensing/default.aspx

Terminal Services license requirements

In addition to the Windows Server 2003 CAL, you must have a Windows Server 2003 Terminal Services CAL to run Windows-based desktop and applications from a Windows Server 2003 machine, regardless of the protocol or software used to interact with applications running on the server. For more information see:

- www.microsoft.com/windowsserver2003/howtobuy/licensing/ts2003.aspx

