FileMaker® 8

Installing FileMaker 8 ODBC and JDBC Client Drivers

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Installing FileMaker 8 ODBC and JDBC Client Drivers

These instructions help you install the drivers needed to access a FileMaker® data source from third-party and custom applications via ODBC (Open Database Connectivity) and JDBC (Java Database Connectivity).

After installing the client driver you need, you can configure the driver to access a FileMaker data source and construct SQL (Structured Query Language) queries to interact with the data.

This guide uses "FileMaker Server" to refer to FileMaker Server 8 Advanced, which supports sharing FileMaker database files with other applications using ODBC and JDBC.

Important You can download the latest versions of the client drivers and PDFs of FileMaker 8 ODBC and JDBC documentation from www.filemaker.com/odbc. Any updates to this document are also available from the web site.

Customer support

For information about technical support and customer service, see:

www.filemaker.com (North American customers)

www.filemaker.com/intl (customers outside North America)

At the web site, you will find the service options available to North American customers, as well as links to FileMaker worldwide sites, answers to frequently asked questions, and access to the TechInfo Knowledge Base used by Technical Support. North America customers can also call 1-800-965-9090 to learn about the service options available.

Abiding by the license agreement

The ODBC and JDBC client drivers are the driver portions of the FileMaker Software that allow third party applications or custom applications to access FileMaker Pro or FileMaker Server as an ODBC or JDBC data source. You may copy and distribute the client drivers solely for use with the FileMaker software.

Hardware and software requirements

To install and use the ODBC and JDBC client drivers, you need the following minimum equipment and software:

ODBC client driver requirements (Windows)

- Pentium 300 MHz or faster
- 64 MB total RAM for Windows 2000, 128 MB total RAM for Windows XP
- Microsoft Data Access Components (MDAC) 2.6, 2.7, or 2.8

ODBC client driver requirements (Mac OS)

- Apple G3 or higher (no G3 upgrade cards)
- 128 MB total RAM
- Mac OS X version 10.3.9 or 10.4 (the software may also work with later versions certified by FileMaker)

JDBC client driver requirements

Applications using	Require
JDBC 1.22 API	JDK 1.2 compatible Java Virtual Machine (JVM)
JDBC 2.0 Core API	JDK 1.3 compatible JVM
JDBC 2.0 Optional Package	JDK 1.3 compatible JVM Also, the following APIs are required and are supplied with SequeLink Java client: ■ JDBC 2.0 Optional Package ■ JNDI 1.2 ■ JTA 1.0.1
JCA API	JDK 1.3
JDBC 3.0 API	JDK 1.4

To find which version of Java you're running, open a command window (Windows) or Terminal window (Mac OS) and type `java -version`.

Networking requirements

If you'll be accessing a FileMaker data source hosted on another computer, you'll need network access via TCP/IP.

Using ODBC and JDBC with FileMaker

ODBC and JDBC are application programming interfaces (APIs). These APIs give client applications a common language for interacting with a variety of data sources and database services, including FileMaker.

All applications that support ODBC and JDBC recognize a basic subset of SQL statements. SQL is passed through the ODBC and JDBC interfaces to the FileMaker host of the data source. Working with SQL, you can use other applications (like spreadsheets, word processors, and reporting tools) to view, analyze, and modify FileMaker data.

Installing client drivers

The client drivers are available through a separate installation on the FileMaker Server Web Publishing CD and the FileMaker Pro CD in the folder \xDBC\ODBC Client Driver Installer and the folder \xDBC\JDBC Client Driver Installer. You can also download the latest version of the client drivers from www.filemaker.com/odbc.

If you work in a networked environment, your database administrator might have placed the installation programs at a network location accessible to you.

ODBC client driver installation (Windows)

If you have previously installed the ODBC client driver for Windows, uninstall it before installing an updated version.

To install the ODBC client driver:

You need MDAC 2.6, 2.7, or 2.8 (available from www.microsoft.com) to install the ODBC client driver.

1. In the folder \ODBC Client Driver, double-click setup.

   The DataDirect SequeLink for ODBC 5.4 - InstallShield Wizard appears.

2. Install the ODBC client driver by following the on-screen instructions.

   The Data Source SyncTool, Data Source SyncTool Administrator, and SequeLink Online Books are not chosen as part of the default installation; you do not need them to use the ODBC client driver.

   By default, the ODBC client driver will be installed in this folder: C:\Program Files\DataDirect\slodbc54. Choose another drive or another folder if you wish.

3. When the installation is complete, click Finish.

   The ODBC client driver, DataDirect 32-BIT SequeLink 5.4, is now available for you to configure for accessing a FileMaker data source.

Note If you have any trouble installing directly, install the driver instead through Add/Remove Programs in Windows (choose Start menu > Settings > Control Panel > Add/Remove Programs).

Note If the driver is not listed in the ODBC Data Source Administrator, look for the (Default) entry of the registry key HKEY_LOCAL_MACHINE\SOFTWARE\ODBC\ODBCINST.INI\ODBC Drivers using Regedit (choose Start menu > Run > Regedit). The Data for this entry should be (value not set). If instead you see a blank string, right-click (Default), choose Delete, and click Yes to confirm. This resets the entry to (value not set). Uninstall and reinstall your ODBC client driver to see it in the ODBC Data Source Administrator.

ODBC client driver installation (Mac OS)

If you have previously installed the ODBC client driver for Mac OS, uninstall it before installing an updated version.

To install the ODBC client driver:

From the folder /ODBC Client Driver, copy the file SequeLink.bundle to either your System or User library. If you don't have an /ODBC folder, create one manually:

Library	Copy SequeLink.bundle to this folder:	Use this driver path during configuration:
System	/Library/ODBC	/Library/ODBC/SequeLink.bundle/Contents/MacOS/ivslk18.dylib
User	/Users/<user>/Library/ODBC	/Users/<user>/Library/ODBC/SequeLink.bundle/Contents/MacOS/ivslk18.dylib

This client driver has been tested with the following iODBC driver managers:

- OpenLink ODBC Administrator 3.52.1 (available from OpenLink Software)
- Apple ODBC Administrator 1.0.1 (available with Mac OS 10.3)

Important Use the ODBC Administrator bundled with the iODBC driver manager software recommended for your client application. If you require the OpenLink ODBC Administrator, it is bundled with the ODBC-JDBC Lite Bridge download available on the OpenLink web site.

JDBC client driver installation (Windows and Mac OS)

The installation program and the JDBC client driver work on both Windows and Mac OS. You must have write access to the folder where you're installing the JDBC client driver. By default, the folder that contains the installation program is the installation folder.

If you have previously installed the JDBC client driver, uninstall it before installing an updated version.

To install the JDBC client driver:

1. In the folder /JDBC Client Driver, double-click sljcinstaller.jar.

   The DataDirect SequeLink for JDBC 5.4 Installer window appears.
2. Click Next.

   Review the license agreement.
3. If the license agreement is acceptable, select I accept the terms of the license agreement, then click Next.

   A window of installation options appears.
4. Select Install Developer's Tools.

   The tools include JDBCTest, which helps you verify your JDBC connections.
5. Enter an Install Directory.
   - Windows: Enter a path that includes your Java executable file (java.exe).
   - Mac OS: Enter /Library/Java/Extensions (or another location included in the ClassPath of your Java application).
6. Click Next.
7. Confirm your installation selections, then click Install.
8. When the installation is complete, click Finish.

   The JDBC client driver is now available for you to configure for accessing a FileMaker data source.

Configuring client drivers

Before using a client application to access a FileMaker data source, you must configure a client driver for the data source. Configuration settings identify the client driver you're using, the location of the data source, and details on how you intend to connect.

Important When configuring a FileMaker client driver, you must specify `2399` as the port. For ODBC (Windows), you'll specify the port in the ODBC Data Source Administrator. For ODBC (Mac OS), you'll specify the port in the OpenLink ODBC Administrator or the Apple ODBC Administrator. For JDBC, you'll specify the port in the JDBC URL.

For details on configuring a client driver and verifying access to your FileMaker data source, see the *FileMaker ODBC and JDBC Developer's Guide*, which is available as a PDF document on the FileMaker Pro CD in the folder \xDBC\Electronic Documentation, in the folder \English Extras\Electronic Documentation where you installed FileMaker Server, and from www.filemaker.com/odbc. If you work in a networked environment, contact your database administrator for a copy of the document.

For additional information about the ODBC client driver on Windows, choose the Windows Start menu > Programs > DataDirect SequeLink for ODBC 5.4 > Driver Help.

Note The Help system, provided by DataDirect Technologies, describes some functionality beyond the scope of using the ODBC and JDBC client drivers for accessing FileMaker data sources.

Where to go from here

After you install and configure a client driver, you can construct and execute SQL queries to access a FileMaker data source.

Client applications sometimes use different terminology for accessing a data source via ODBC. Many applications have menu items with names such as Get external data or SQL query. Review the documentation or Help that comes with your application for details.