

Windows

## How to Create a FileMaker ODBC DSN on Windows

FmPro Migrator connects to FileMaker databases using an ODBC connection in order to accurately read and transfer data.

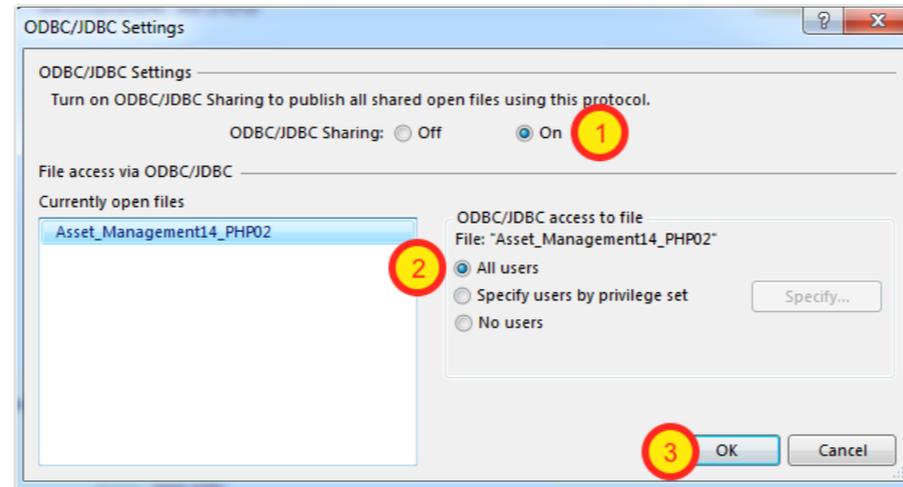
8/29/2015

# Prerequisites

- FileMaker Pro 11+ Application is Open
- FileMaker .fp7 or .fmp12 File is Open
- FileMaker ODBC Sharing Enabled
- Admin Login Account With [Full Access] Privilege Set

In order to connect to a FileMaker database, the FileMaker application and your .fp7 or .fmp12 database file must be open. Select the File -> Sharing -> Enable ODBC/JDBC ... menu to enable sharing for each database file for All users. Make sure that you use a FileMaker login account having the [Full Access] privilege set.

# ODBC Settings



In the ODBC Settings window:

(1) Click the On radio button, (2) Click the All users radio button, (3) Click the Ok button.

## Avoid

- Avoid FileMaker Server Installed on Same Machine
- Avoid Connecting to a Database Running on FileMaker Server

You should avoid running FmPro Migrator on the same machine which is running FileMaker Server. Because FileMaker server intercepts all ODBC connections to port 2399, so you cannot connect to a database unless it is being served by FileMaker Server. It makes troubleshooting more difficult.

FmPro Migrator has the ability to delete Unstored Calc fields within your FileMaker database. So don't connect to your production database server. You should copy the most recent backup file from your FileMaker Server over to the computer which is running FmPro Migrator.

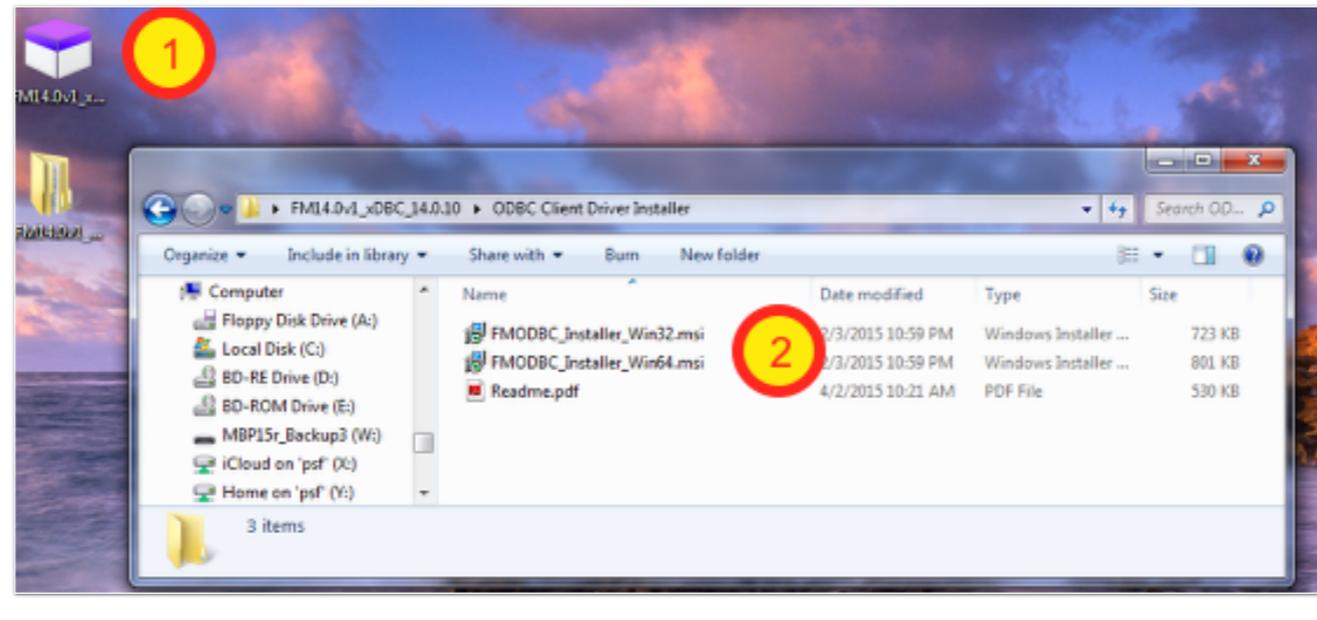
# Download FileMaker ODBC Driver

The screenshot shows the FileMaker website's Downloads page. The 'Downloads' menu is open, and the 'NEW xDBC update for FileMaker Platform' is highlighted in a red box. A yellow circle with the number 2 is next to the red box.

Product	Version	Download	Release Notes
<b>NEW</b> FileMaker Pro 32-bit	14.0v2	Windows (310.9)	<a href="#">View</a>
<b>NEW</b> FileMaker Pro Advanced 32-bit	14.0v2	Windows (358.8)	<a href="#">View</a>
<b>NEW</b> FileMaker Pro 64-bit	14.0v2	Windows (316.6)	<a href="#">View</a>
<b>NEW</b> FileMaker Pro Advanced 64-bit	14.0v2	Windows (366.6)	<a href="#">View</a>
<b>NEW</b> FileMaker Server	14.0v2	Windows (5.4 MB)	<a href="#">View</a>
<b>NEW</b> xDBC update for FileMaker Platform	14.0v1	Windows (2.4 MB)	<a href="#">View</a>

Download the xDBC Update file from the FileMaker website. The latest ODBC drivers work with FileMaker 11 and higher versions.

# Install 32bit/64bit ODBC Drivers



Double-clicking the installer extracts the files into the installer folder.

If you are using the 64bit version of FileMaker, then install both the 32bit and 64bit ODBC drivers.

FmPro Migrator is a 32bit application, therefore both drivers are needed.

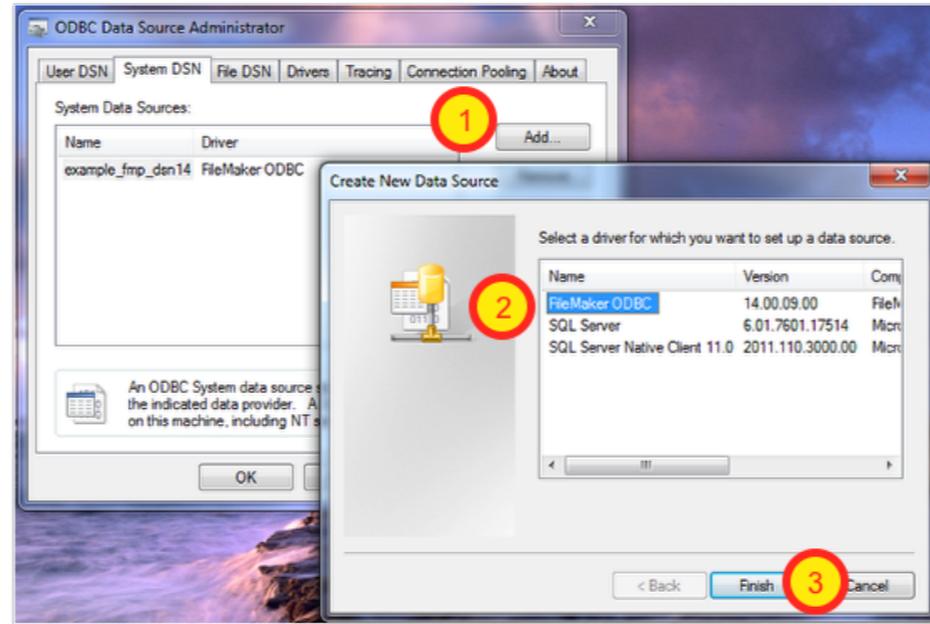
## Create ODBC DSN

- 32bit - ODBC Administrator
  - C:\Windows\SysWOW64\odbcad32.exe
- 64bit - ODBC Administrator
  - %windir%\system32\odbcad32.exe
  - The 64bit ODBC Administrator is the default in the Control Panel

It can be helpful to create shortcuts for both the 32bit and 64bit ODBC Administrator apps in the Start menu. DSNs created with one version of the ODBC Administrator are not seen by the other one.

When using a 64bit version of FileMaker on Windows, you will need to create both a 32bit and 64bit ODBC DSN having exactly the same name. Otherwise, you will get an “Architecture Mismatch” error.

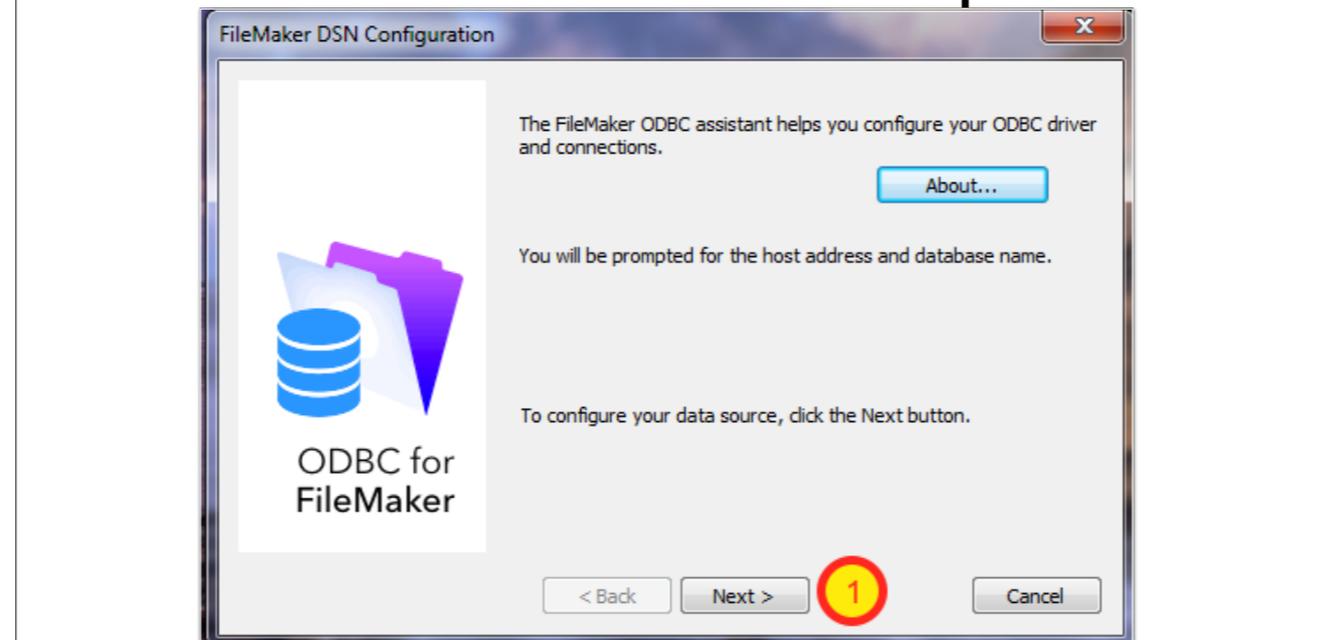
# Create 32bit & 64bit ODBC DSNs



Create a System DSN with both ODBC Administrator programs.

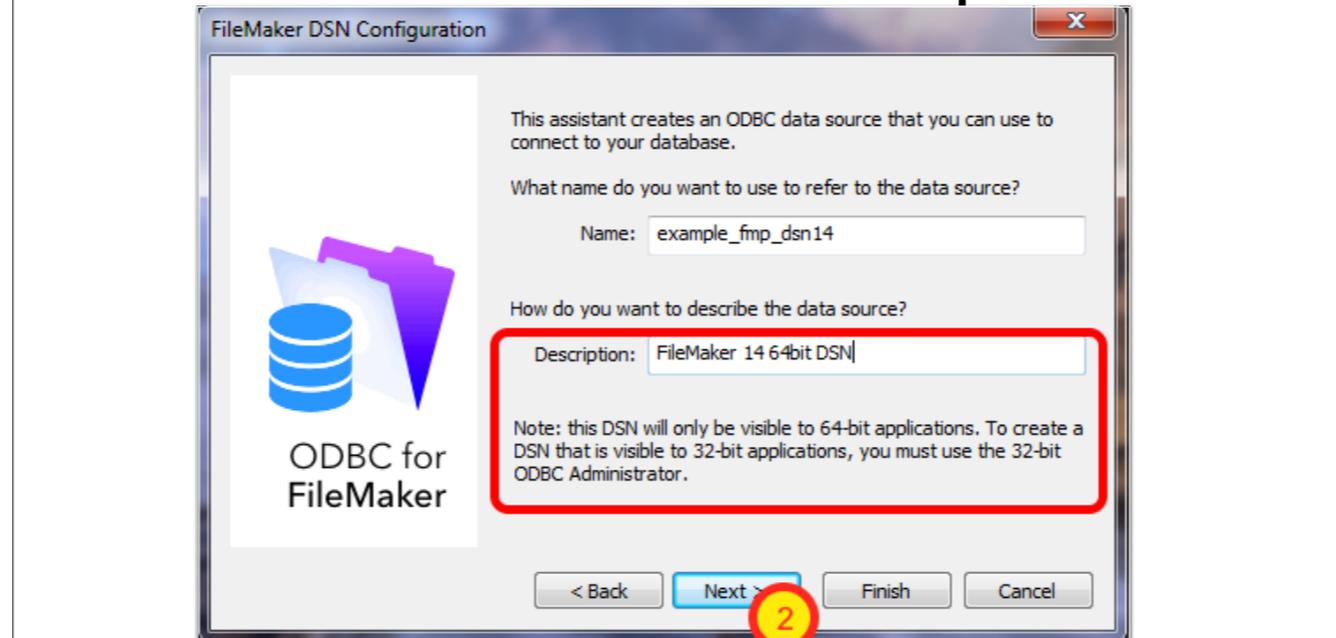
(1) Click the Add button. (2) Click the FileMaker ODBC driver. (3) Click the Finish button.

# FileMaker ODBC DSN Properties #1



(1) Click the Next button.

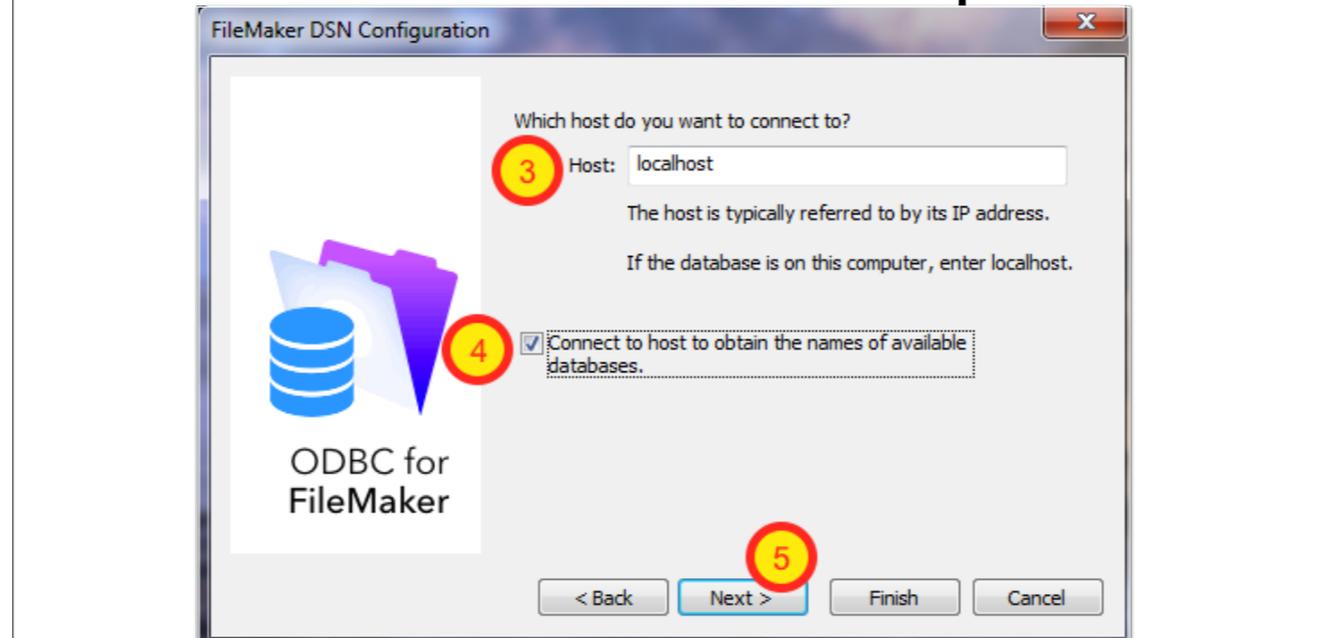
## FileMaker ODBC DSN Properties #2



(2) Click the Next button.

Notice that this is the 64bit ODBC Administrator, and that the text states that an additional DSN needs created for 32bit applications.

## FileMaker ODBC DSN Properties #3



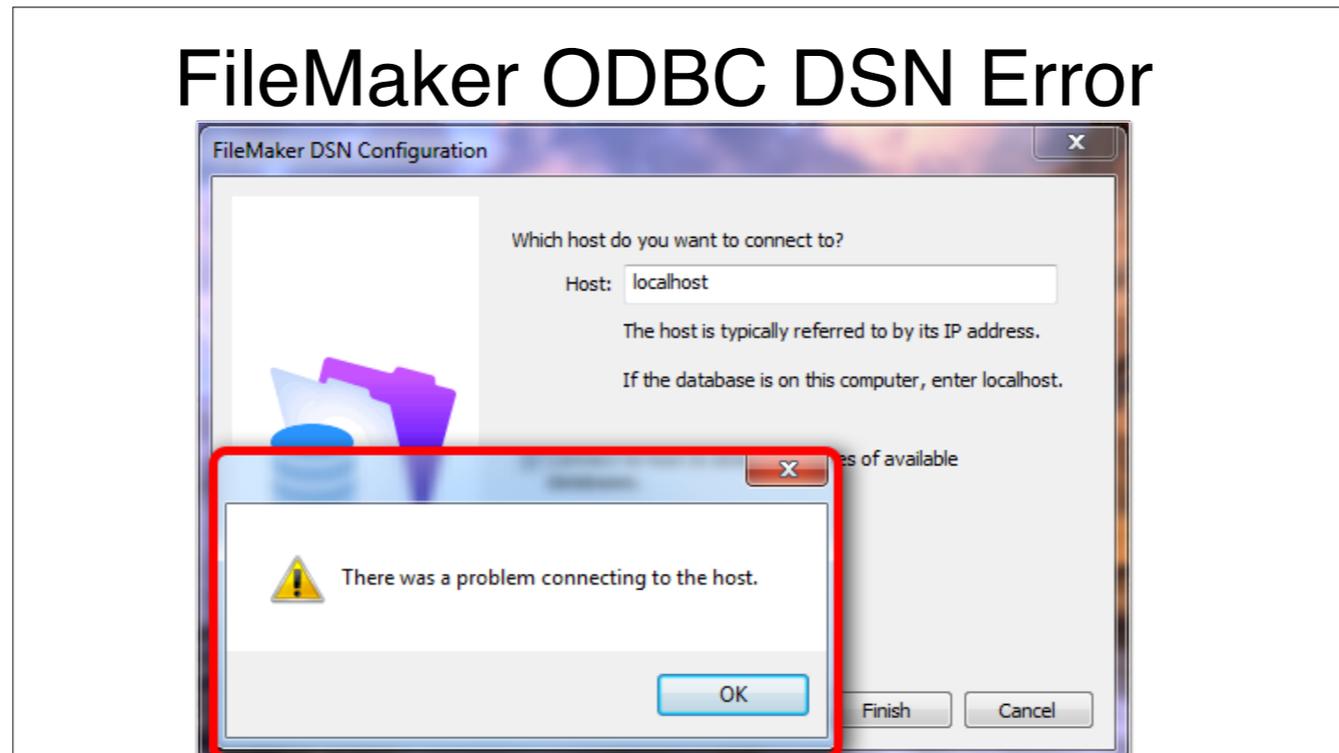
(3) Enter localhost, to connect to a FileMaker database running locally on your computer.

(4) Click the checkbox to Connect to the FileMaker application to get the list of database files being shared.

This is done for troubleshooting purposes to make sure that we can successfully make a connection to FileMaker.

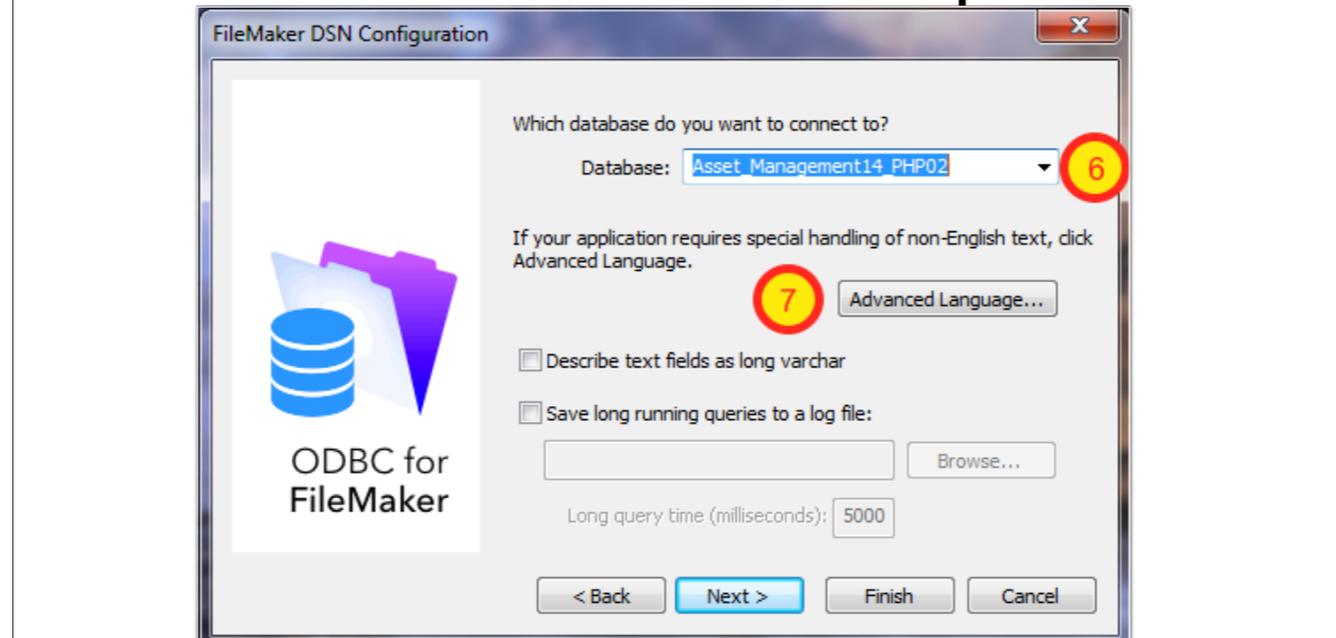
(5) Click the Next button.

# FileMaker ODBC DSN Error



If you get a connection error, this is the dialog which will be displayed. Double-check to make sure that the FileMaker application is running and that your database file is open with ODBC sharing enabled.

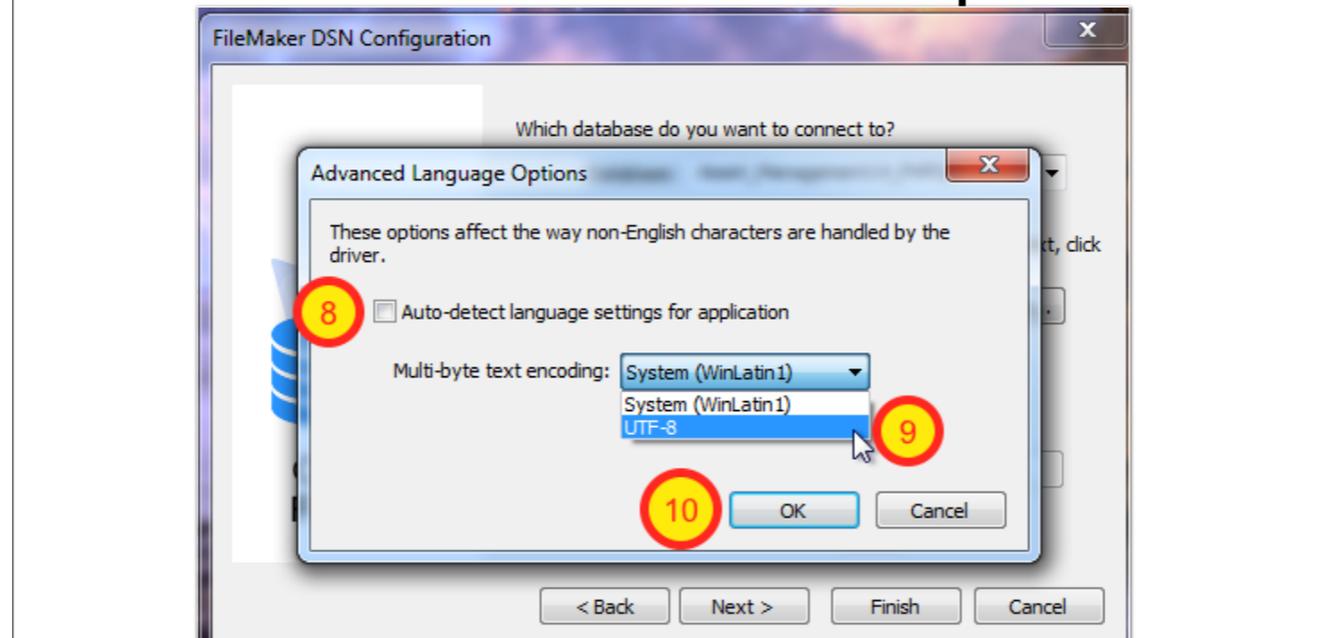
## FileMaker ODBC DSN Properties #4



(6) Select your database file from the menu. This selection needs changed for each new database file.

(7) Click the Advanced Language button.

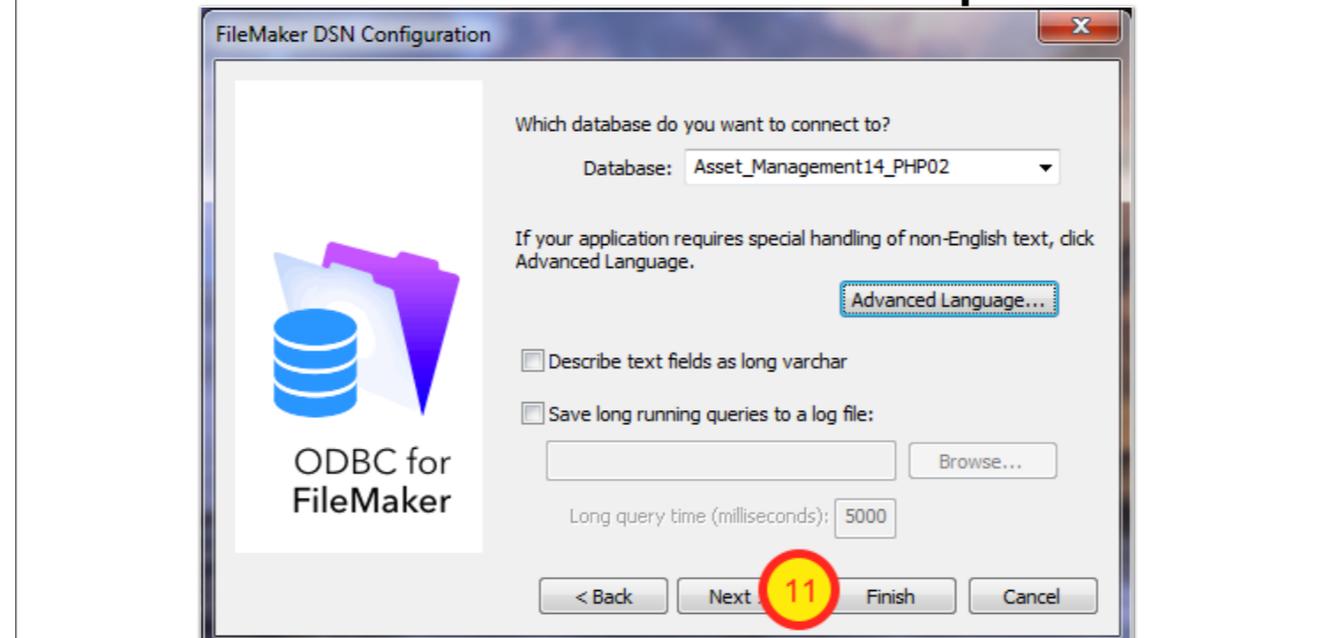
## FileMaker ODBC DSN Properties #5



(8) Uncheck the Auto-detect checkbox. (9) Select UTF-8 from the encoding menu. (10) Click the Ok button.

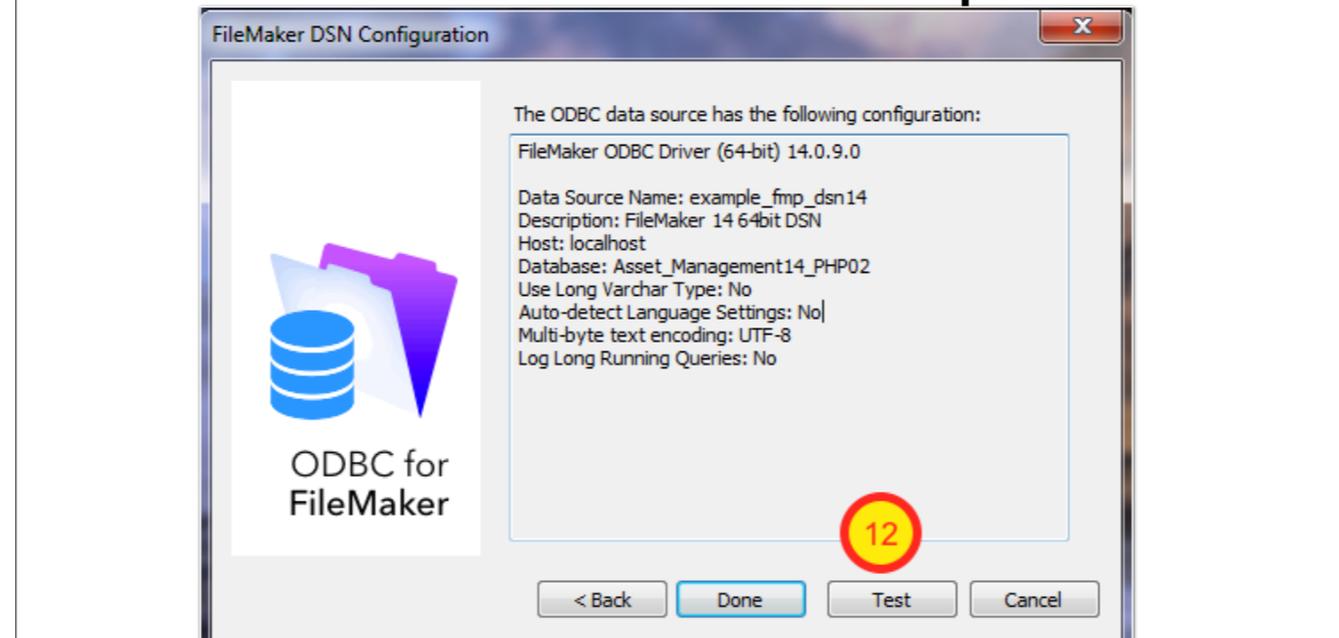
FileMaker uses UTF-8 as its internal encoding format, and FmPro Migrator expects all data to be in the UTF-8 format for accurate data transfers into a SQL database.

## FileMaker ODBC DSN Properties #6



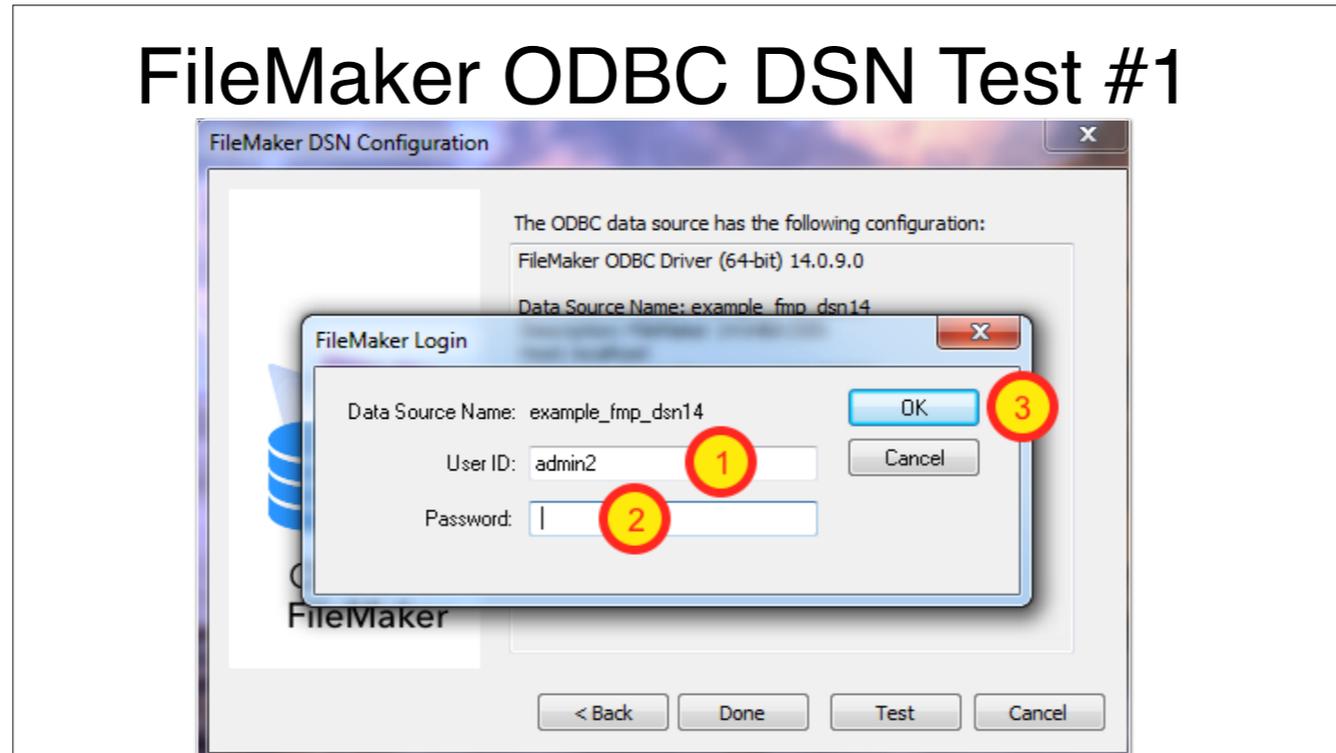
(11) Click the Next button.

# FileMaker ODBC DSN Properties #7



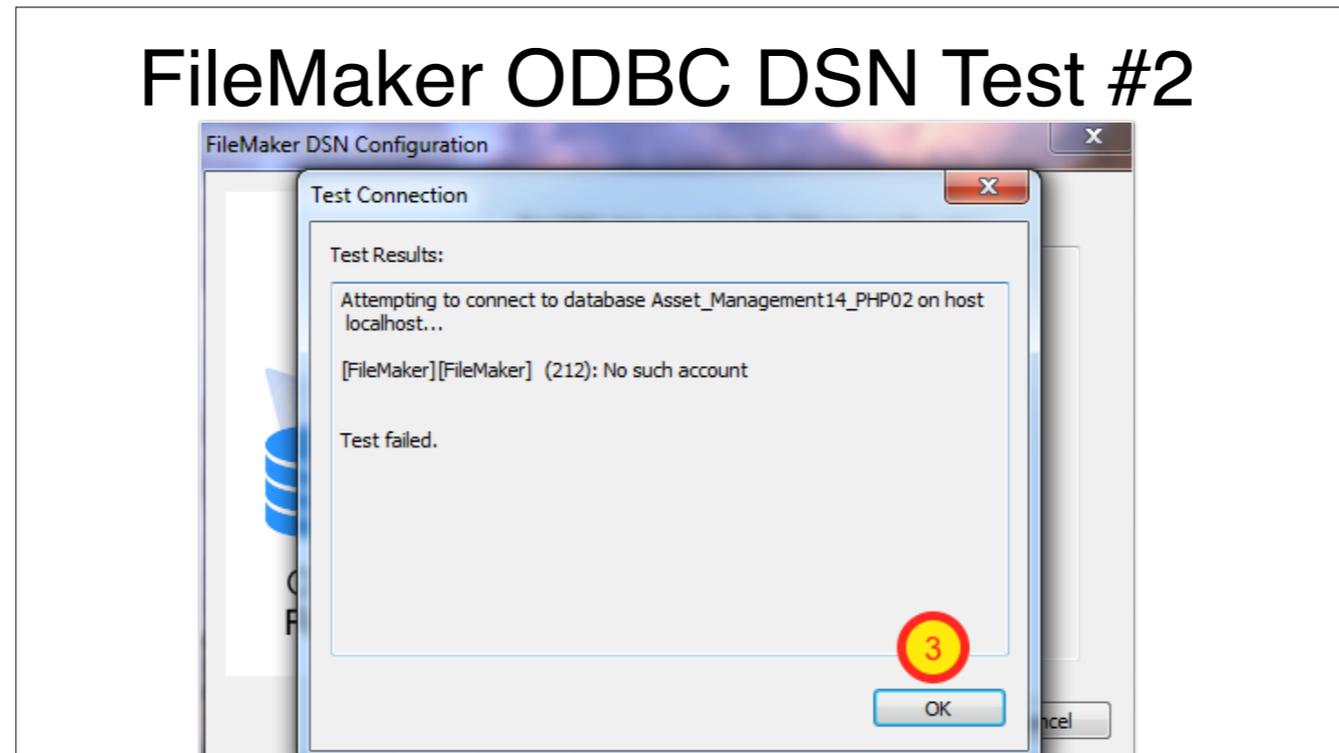
(12) Click the Test button.

# FileMaker ODBC DSN Test #1



- (1) Enter the login username.
- (2) Enter the password.
- (3) Click the Ok button.

## FileMaker ODBC DSN Test #2

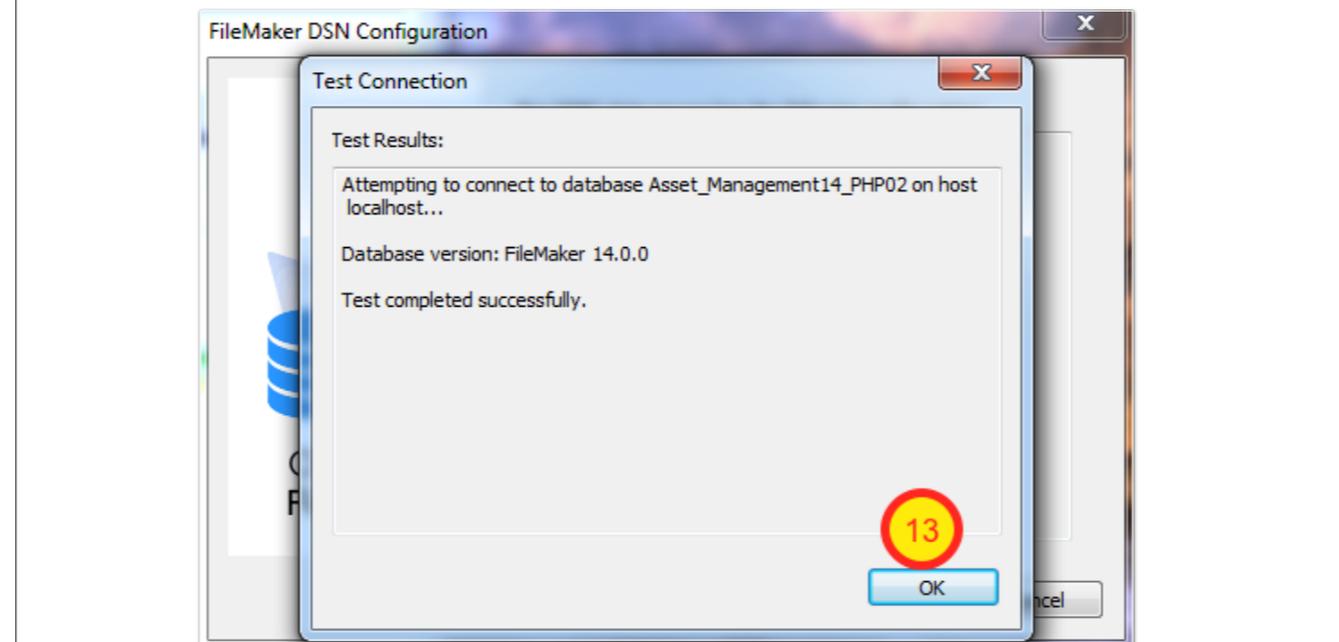


If the test fails, double-check the login account name and password info. Make sure that you are logging in with an admin account having [Full Access] privileges. The login account must have the fmjdbc Extended Privilege, and the [Full Access] account already has this Extended Privilege. (3) Click the Ok button - and try again.

Unless this test passes, FmPro Migrator will be unable to login to the FileMaker database.

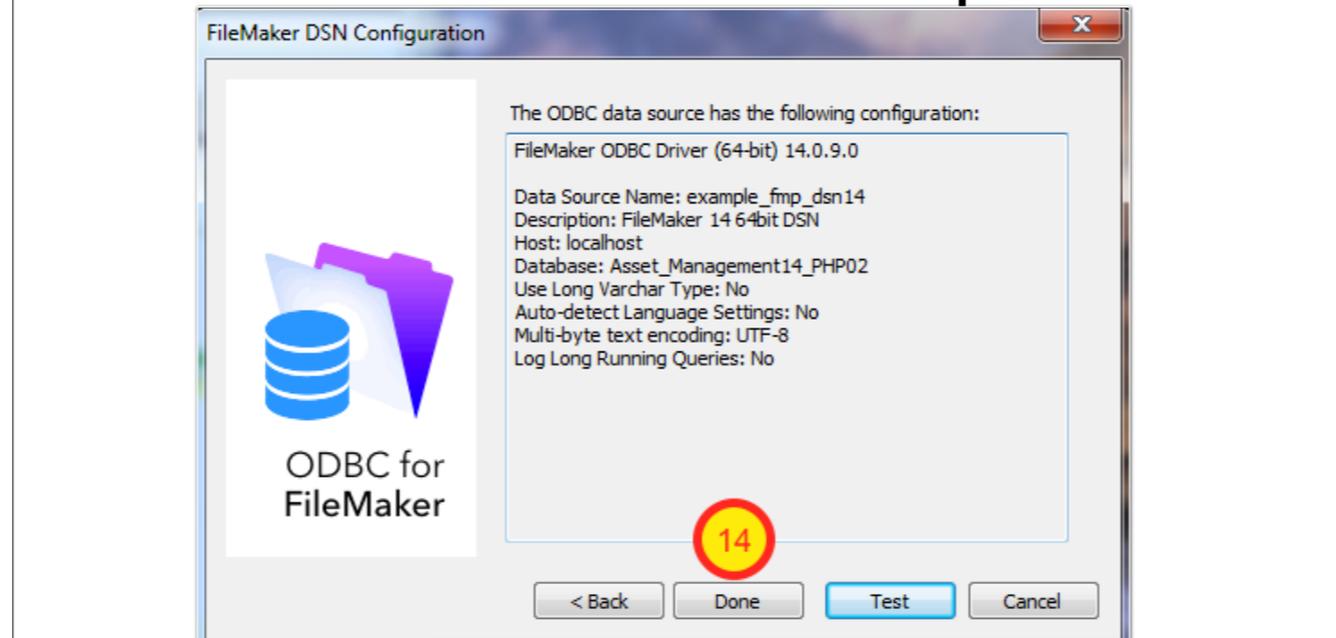
For some types of errors, it is necessary to restart your computer.

## FileMaker ODBC DSN Test #3



(13) Once the test passes, click the Ok button.

## FileMaker ODBC DSN Properties #8



(14) Click the Done button.

Now - Repeat this same process again using the 32bit ODBC Administrator. Create the 32bit ODBC DSN with the same name and settings.