

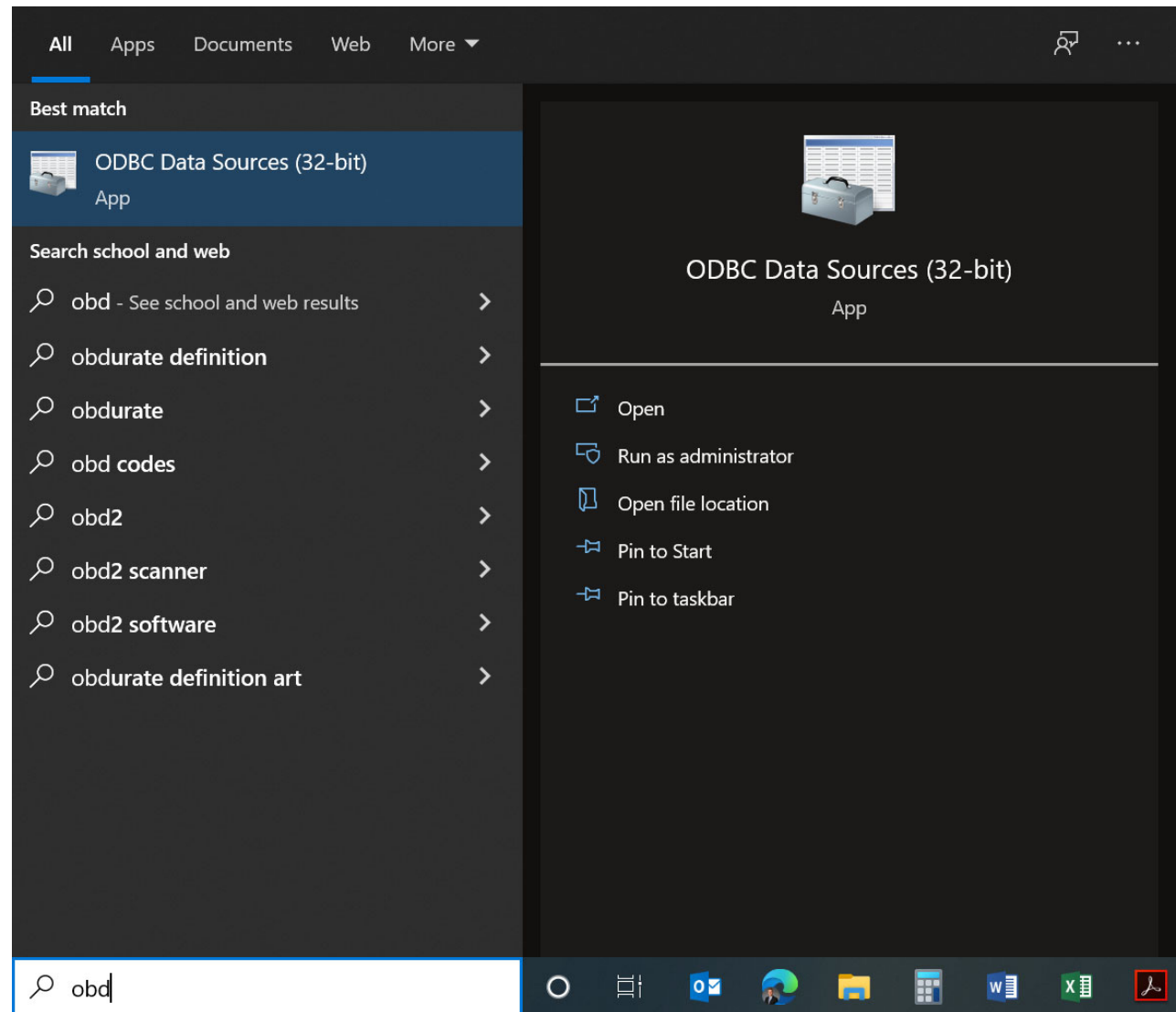
# Setting up a connection to an HLA Fusion SQL server on a windows computer

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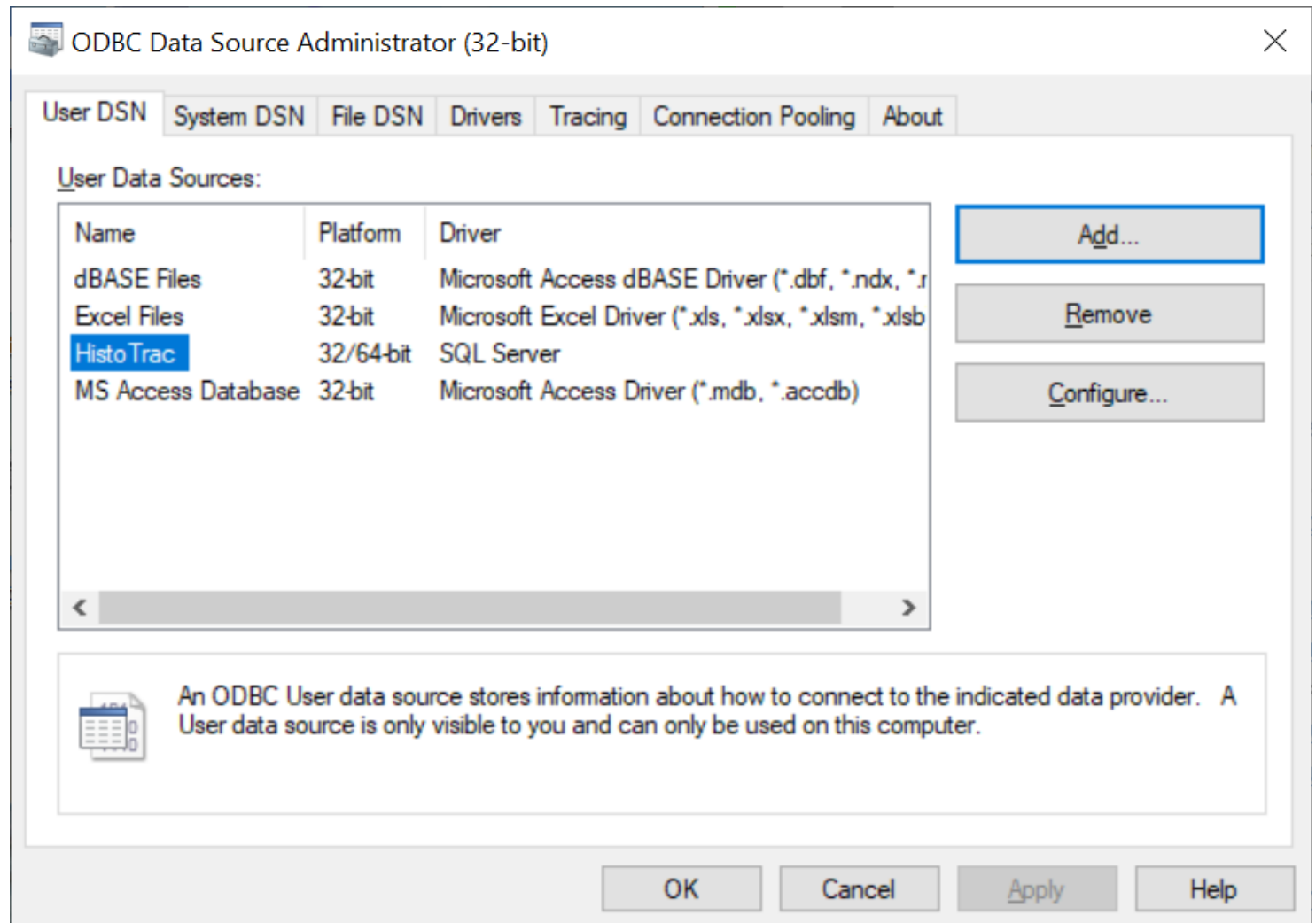
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Type “ODBC” into Windows search bar to find and open the “ODBC Data Sources (32-bit)” application

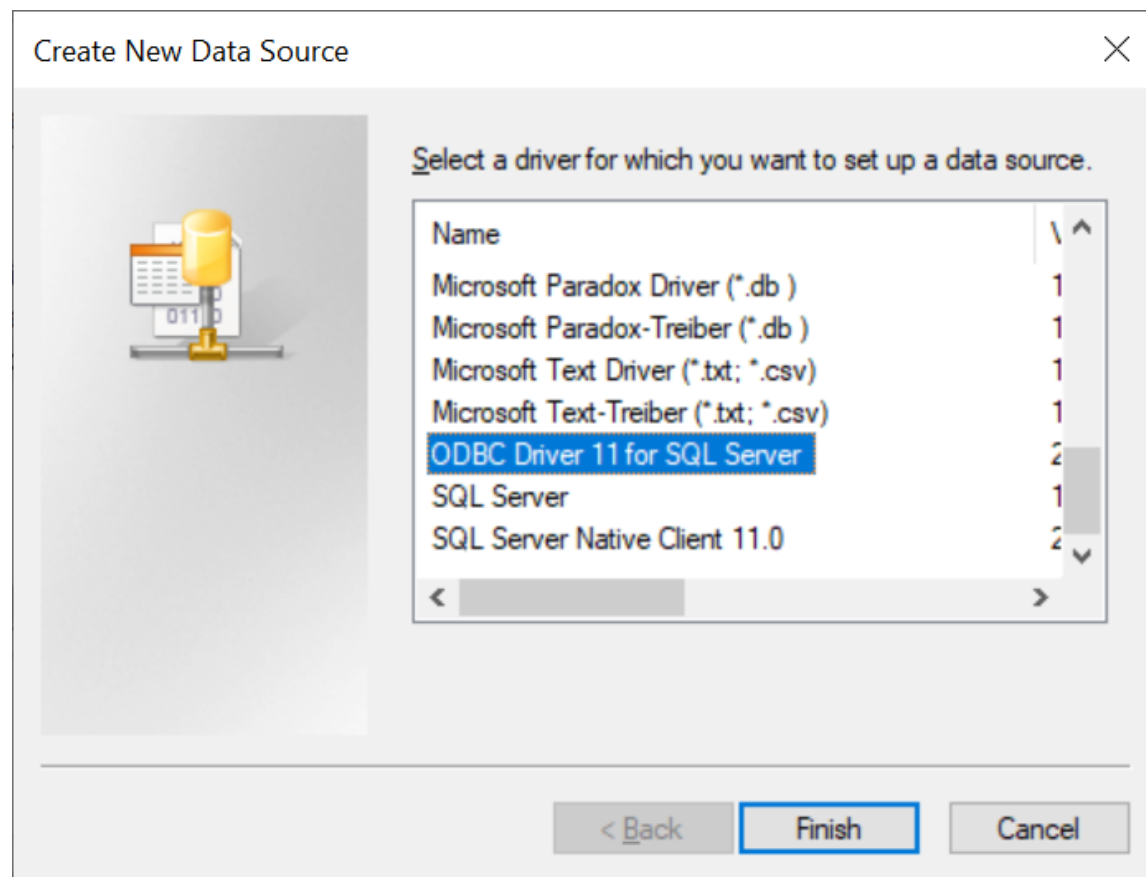


Click on "Add"



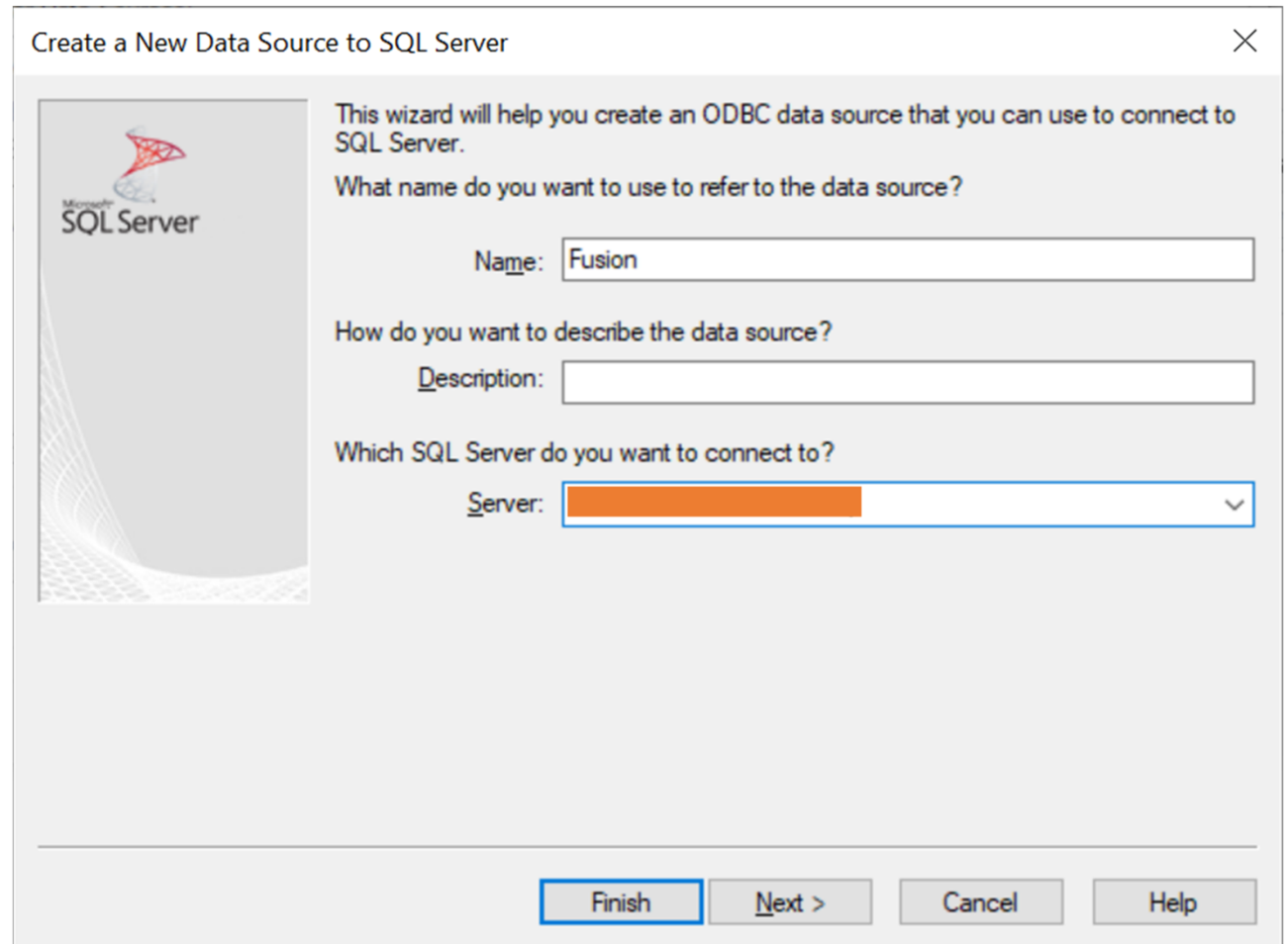
Choose “ODBC Driver 11 for SQL Server”

Note: this step is essentially choosing a driver for your connection. While other drivers may work for your Fusion server, and you might be told by your IT department to choose a different driver, I strongly suggest choosing “ODBC Driver 11 for SQL Server,” as the R code is written to deal with the peculiarities of this driver. If you choose a different driver, you may have to re-write some of the R code.



Give it a name of “Fusion.” I strongly suggest giving it the name “Fusion.” If you give it a different name, you will have to change several lines of code in R to get it to work. If you give it the name of “Fusion” now, you will save yourself lots of hassle.

You will have to supply the name of your server.



The screenshot shows a Windows-style dialog box titled "Create a New Data Source to SQL Server" with a close button (X) in the top right corner. On the left side, there is a vertical panel with the Microsoft SQL Server logo and a decorative graphic. The main area of the dialog contains the following text and input fields:

- Text: "This wizard will help you create an ODBC data source that you can use to connect to SQL Server."
- Text: "What name do you want to use to refer to the data source?"
- Text: "Name:" followed by a text input field containing the word "Fusion".
- Text: "How do you want to describe the data source?"
- Text: "Description:" followed by an empty text input field.
- Text: "Which SQL Server do you want to connect to?"
- Text: "Server:" followed by a dropdown menu with an orange highlight and a downward arrow.

At the bottom right of the dialog, there are four buttons: "Finish" (highlighted with a blue border), "Next >", "Cancel", and "Help".

This may be different for your setup, but you most likely will have to enter the username and password for the server

Create a New Data Source to SQL Server

How should SQL Server verify the authenticity of the login ID?

☐ With Integrated Windows authentication.

SPN (Optional):

☒ With SQL Server authentication using a login ID and password entered by the user.


Login ID:

Password:

< Back Next > Cancel Help

If it doesn't come up like in the picture here, you may want to check the "change the default database to:" checkbox and select HLA Fusion, or whatever your production server is.

Create a New Data Source to SQL Server



☒ Change the default database to:

HLAFusion

Mirror server:

SPN for mirror server (Optional):

☐ Attach database filename:

☒ Use ANSI quoted identifiers.

☒ Use ANSI nulls, paddings and warnings.

Application intent:

READWRITE

☐ Multi-subnet failover.

< Back


Next >

Cancel

Help

Defaults should be fine

Create a New Data Source to SQL Server



☐ Change the language of SQL Server system messages to:  
(Default)

☐ Use strong encryption for data

☒ Perform translation for character data

☐ Use regional settings when outputting currency, numbers, dates and times.

☐ Save long running queries to the log file:  
Browse...

Long query time (milliseconds): 30000

☐ Log ODBC driver statistics to the log file:  
Browse...

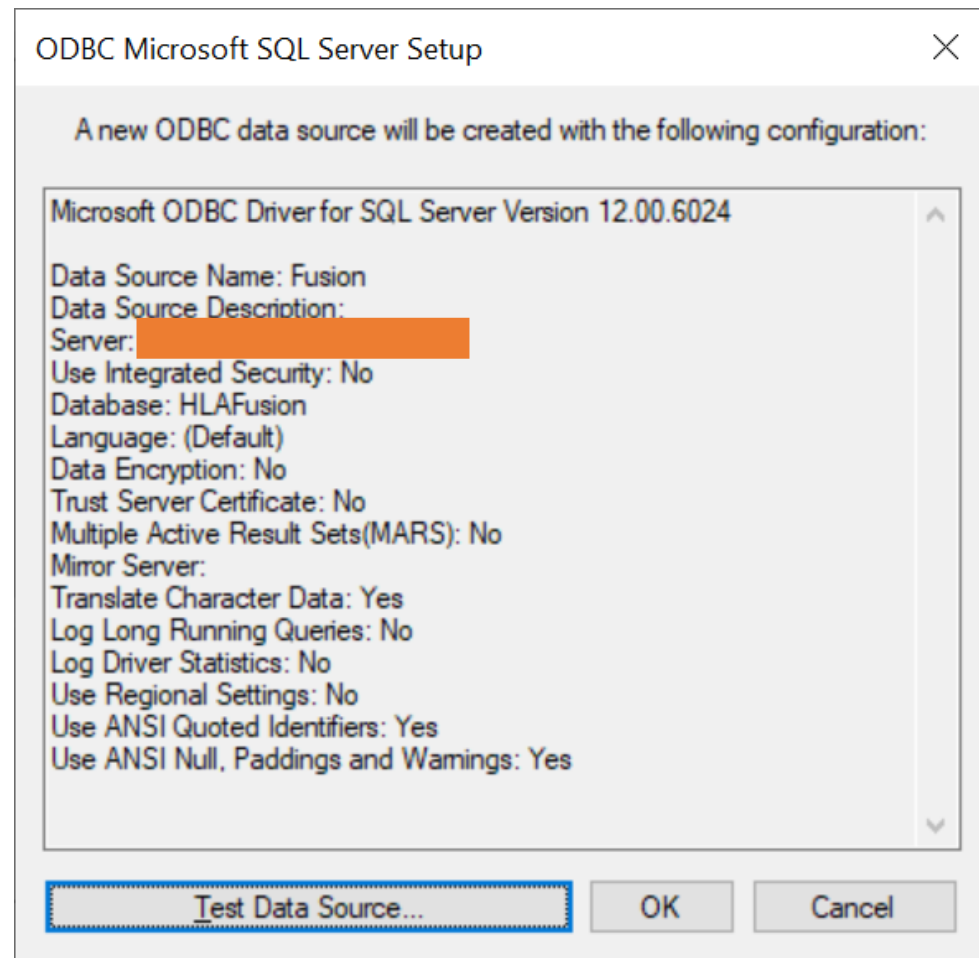
Connect Retry Count: 1

Connect Retry Interval (seconds): 10

< Back Finish Cancel Help



The last step. Double-check everything.



You should now have a connection to your Fusion server from this computer. Open Rstudio on the same computer and you should be able to extract data.

