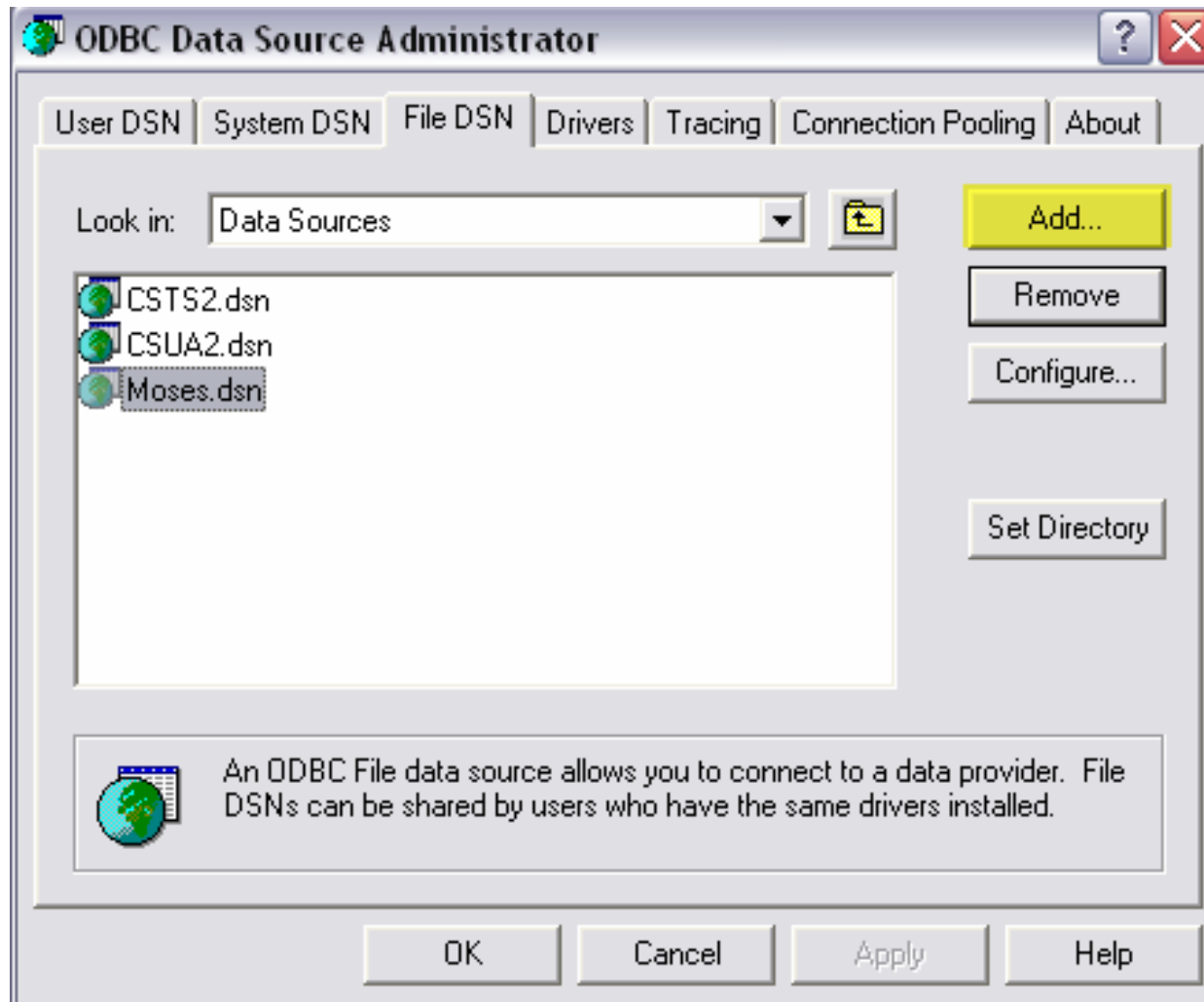


Creating a new data source (dsn) for Crystal Reports using the “wired” protocol:

Windows 7 acts slightly differently with Crystal Reports, and so if you have difficulty setting up a data source in Windows 7, you should be able to revert to using the “wire” protocol. The “wire” protocol simply eliminates the tnsname.ora file lookup for Crystal Reports.


On the Administrator/dsn tab screen, **Add** a dsn (user, system or file)




Select the **CR Oracle Wire Protocol ODBC Driver 4.20** (available if you have downloaded and installed the data direct driver set from the www.etrcc.com/moses/crug web page):



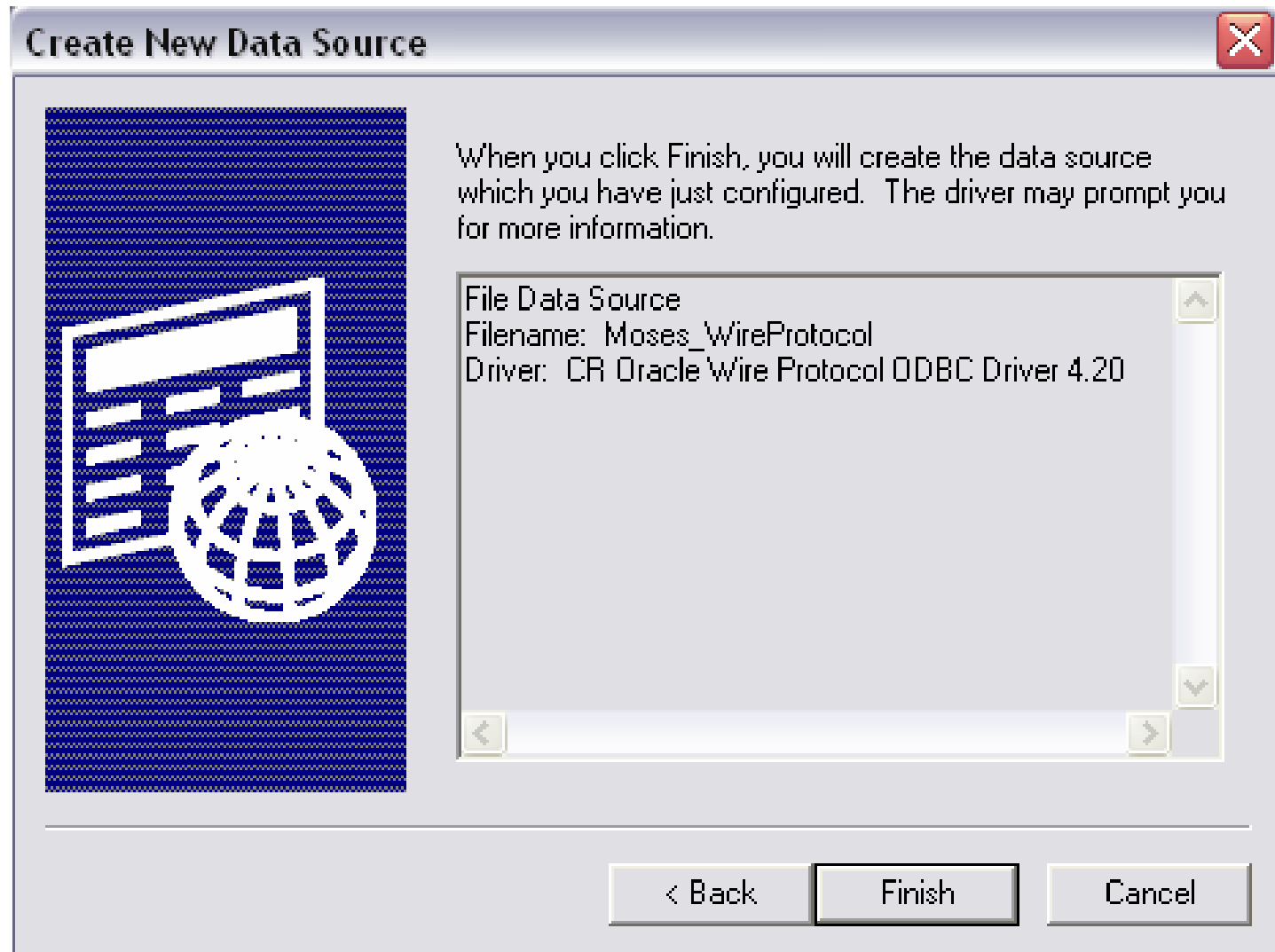
Enter the name for the dsn and click next

Create New Data Source 



Type the name of the file data source you want to save this connection to. Or, find the location to save to by clicking Browse.

Click Finish.



Fill in the fields with the appropriate information:

For this, you will need to know the ip address of the csap server and the port number. This information is stored in the tnsnames.ora file which is generally located in the C:\Oracle [home]\network\admin folder.

The ip address of the csap server, for most of us, is **172.16.16.21** and the port number is **1521**.

Add **csap** as the SID, then your MOSES username and password, click **OK**, then **OK** on the Administrator window.

