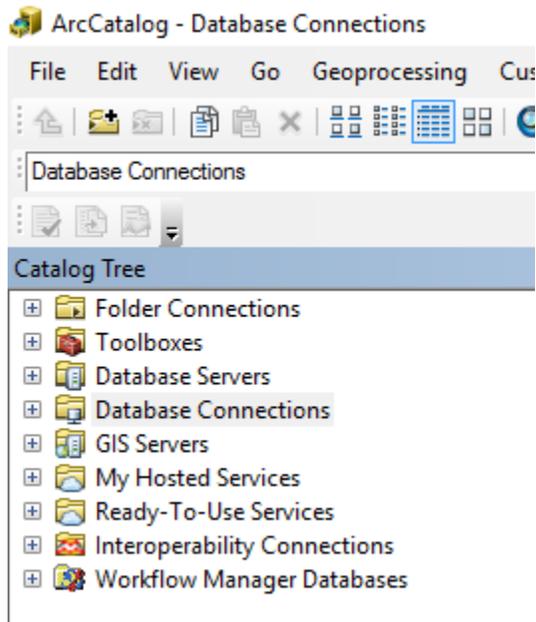
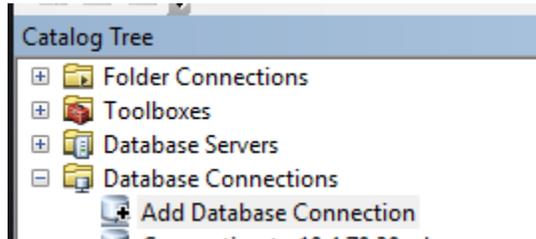


## How to connect to a GIS Server in ArcCatalog For DNR

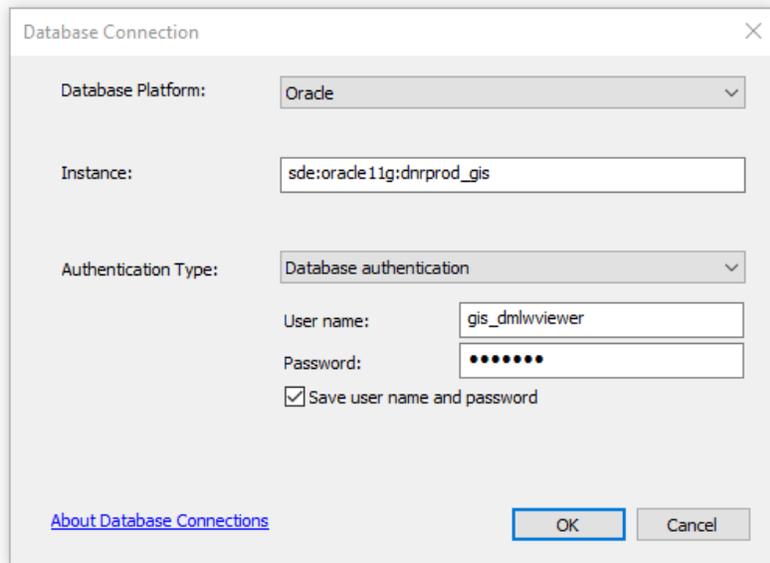
1. Open ArcCatalog
2. In the Catalog Tree Window: Navigate to “Database Connections” and open the drop down:



3. Select “Add Database Connection” from the Database Connections Menu:



4. Choose “Oracle” from the Database Platform dropdown menu
  - a. Set Instance to: sde:oracle11g:dnrprod\_gis
  - b. Set Authentication Type to “Database Authentication”
  - c. Enter User name and password:  
Username: gis\_dmlviewer  
Password: welcome



5. Click the OK button.

You're all set!

### **Alternatively:**

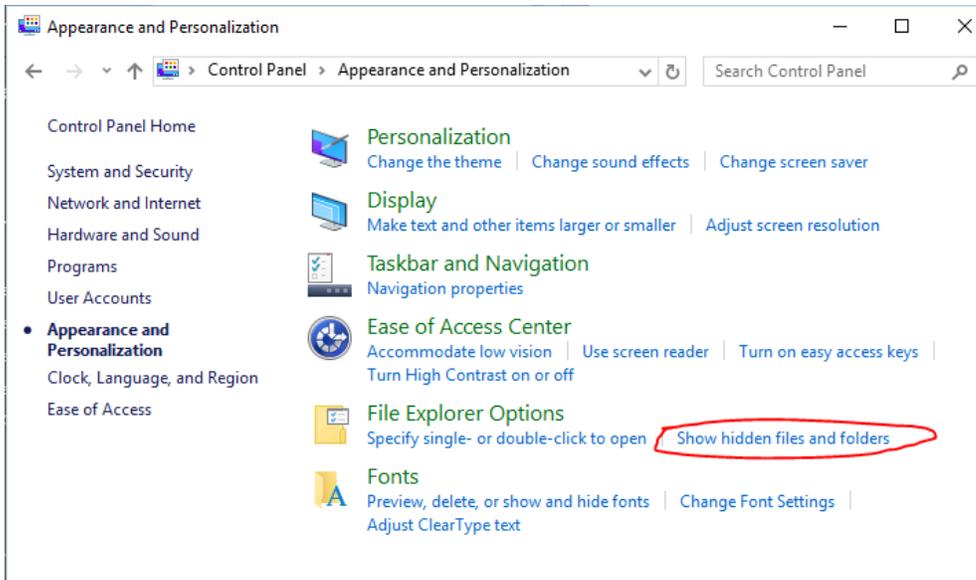
You can use SDE connection files to add multiple connections at one time.

Just copy and paste the SDE connection files to this location:

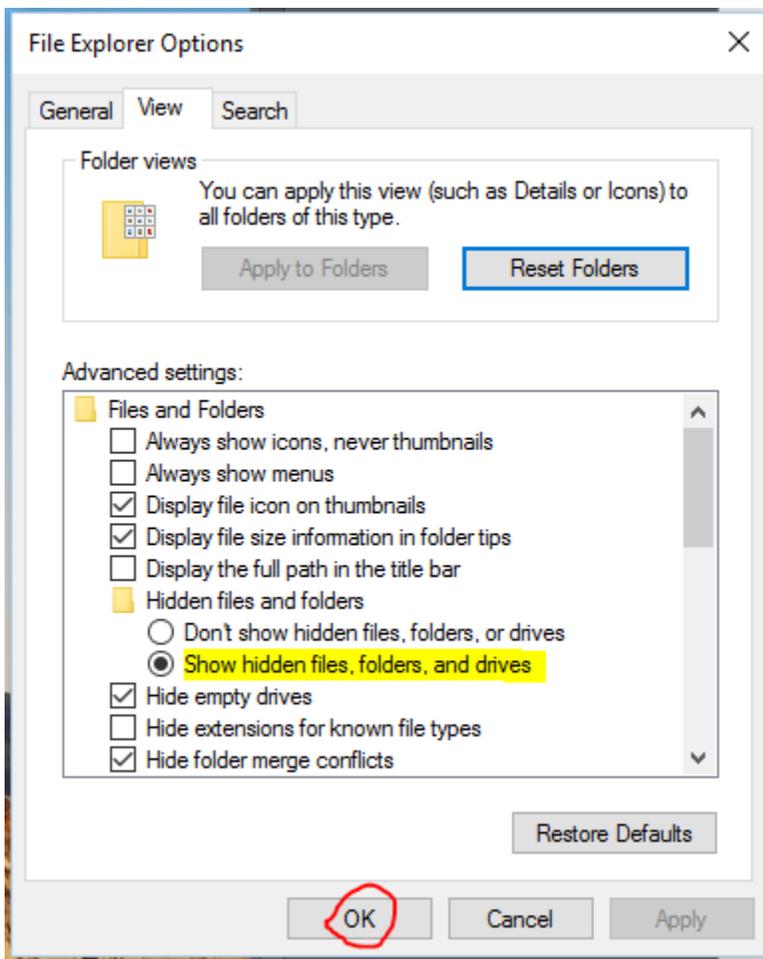
C:\Users\yourusername\AppData\Roaming\ESRI\Desktop10.5\ArcCatalog

\*If you don't see the AppData folder in your file path:

1. Go to your Start menu and search for Control Panel. (Sometimes you can right-click on Start and choose it from the menu).
2. Go to System and Security > Appearance and Personalization > File Explorer Options > Show hidden files and folders

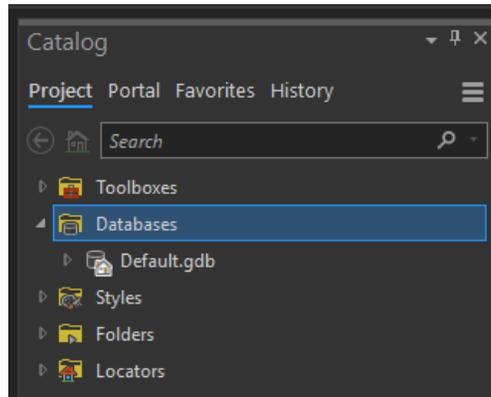


3. Ensure that Show hidden files, folders and drives is selected, then click OK:

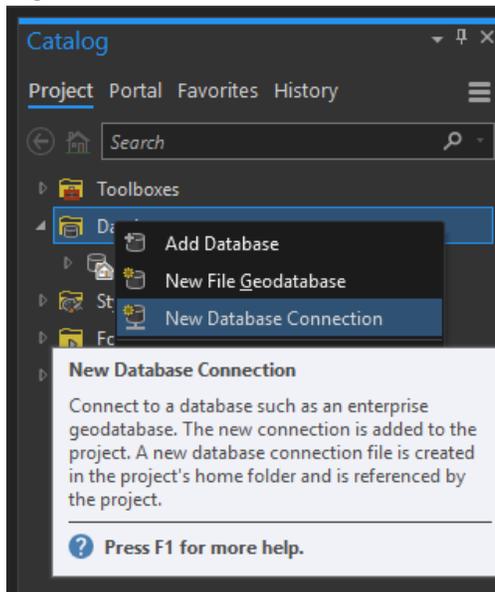


## How to Connect to A GIS Server in ArcGIS Pro

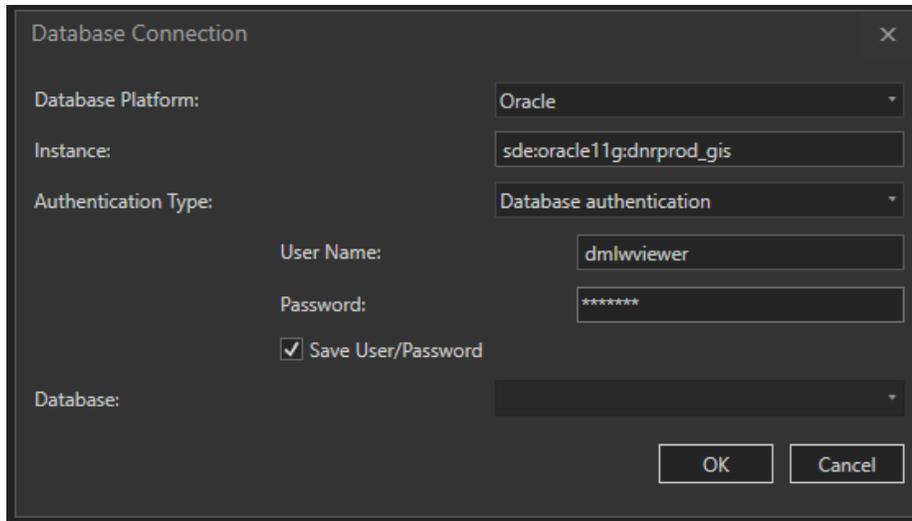
1. Open ArcGIS Pro
2. In the Catalog Pane, Open the Databases folder



3. Right Click on Databases and select New Database Connection from the menu



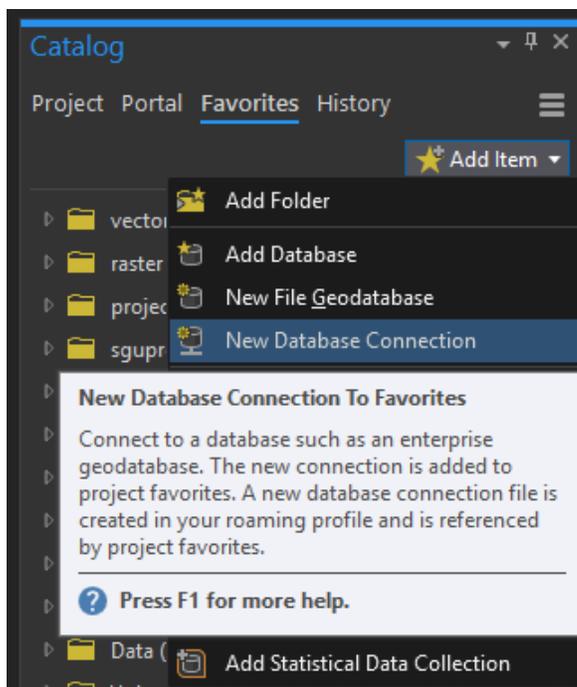
4. Enter the information in the screenshot below:



Database Platform: Oracle  
Instance: sde:oracle11g:dnrprod\_gis  
Authentication Type: Database authentication  
Username: gis\_dmlwviewer  
Password: welcome

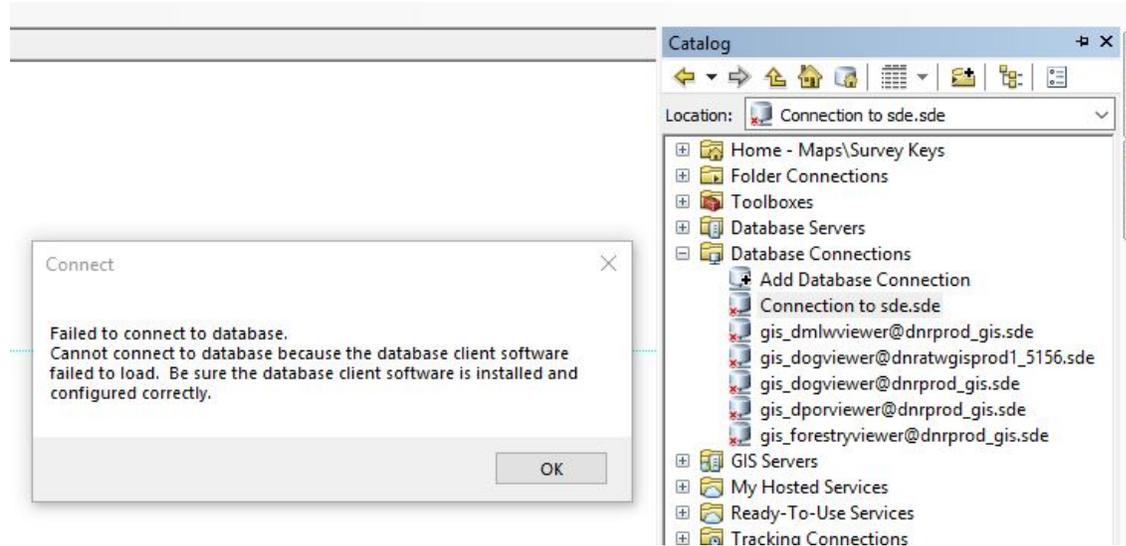
5. Save the username and password and click OK.

**Pro Tip:** If you want to keep this connection for all projects and not just the current one. Go to the Favorites tab and choose Add Item >> New Database Connection and do steps 4 and 5 there instead. This will add the database connection to your favorites list and it will be preserved there for future projects.



## Database Connection Errors

Failed to connect to Database/Failed to connect to server



This issue indicates that the Oracle Client software is missing. Put in an OIT help ticket to have your Oracle client installed. ArcMap requires the 32-bit Oracle client. ArcGIS Pro requires the 64-bit Oracle client. If you run both, you will need both clients.

ESRI Technical Support Article: <https://support.esri.com/en/technical-article/000013240>

## TNS Names Error



This error occurs when trying to make an Oracle connection using ArcMap or ArcCatalog and it signifies that the TNS names file is wrong or missing. Getting the correct file and placing it in the location below will correct the error.

File goes here:

C:\Program Files (x86)\Oracle\client\UserName\product\12.1.0\client\_1\network\admin

If there is a file named "tnsnames.ora" in this location already then rename it tnsnames.old.ora and paste the new file in this location.

If you do not have permissions to view the file directory shown above, then file a ticket with the OIT, they will help you.