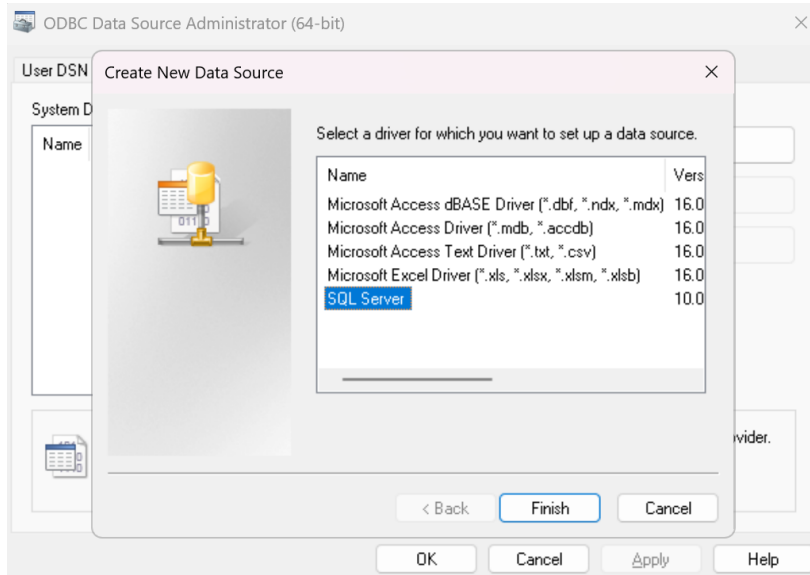


## How to Complete the Cattron Remote IQ bridge in VTSCADA

- 1.) Create a ODBC Connector in ODBC Data Source Administrator under System DSN. You may already have one setup if you are already using a MS SQL database, then you can skip this step. Select SQL Server type and walk through the wizard.



- 2.) Create a new tag using “SQL Data Query Driver” and attach it to the ODBC connector you created in step 1. The sql query in this example is retrieving 1 value from the database, the SQL command can be modified to receive multiple fields. (Chan\_51 is the first analog input on an Aquavx unit). We need to set the column name because VTSCADA is looking for 2 columns. You will need to use that name in the “I/O and Calculations” tag we will create in the next step. The column name does not have to match the remote IQ column name as long as it matches between the two tags. “id” is the unit number if you have more than 1 device in Remote IQ.

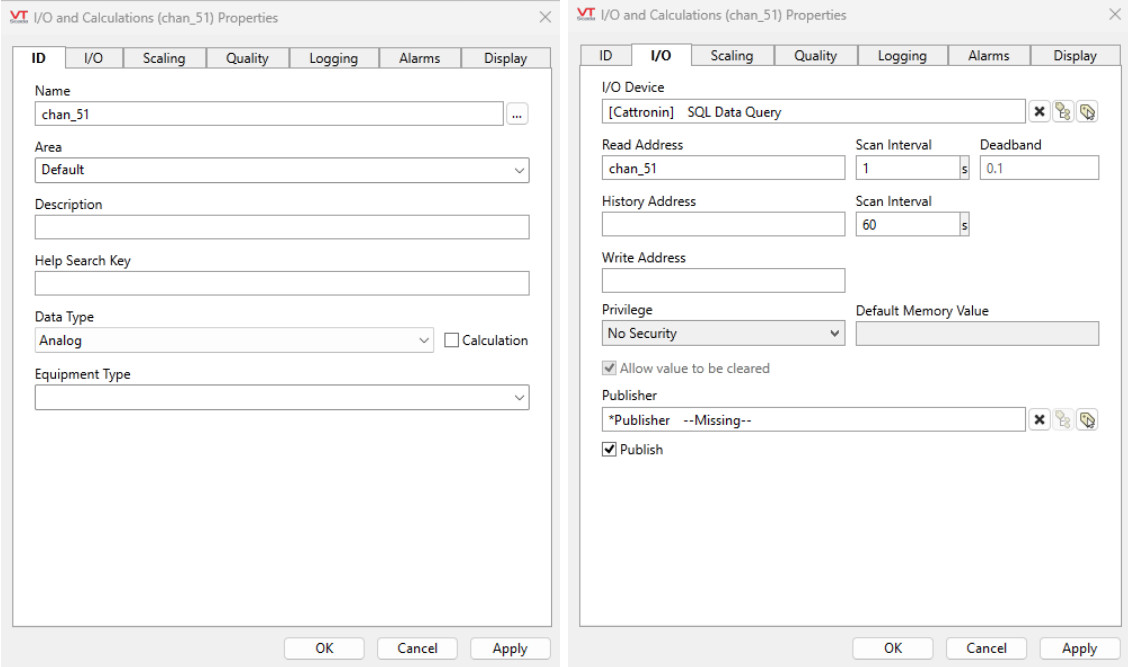
The image displays three screenshots of the VTSCADA software interface, illustrating the configuration of an SQL Data Query Driver tag.

**Top Screenshot:** The "Select Type" dialog box is open, showing the "Recently Used Types" list. The "SQL Data Query Driver" is selected. The "Tag Groups" list on the left shows "All Tag Types" selected.

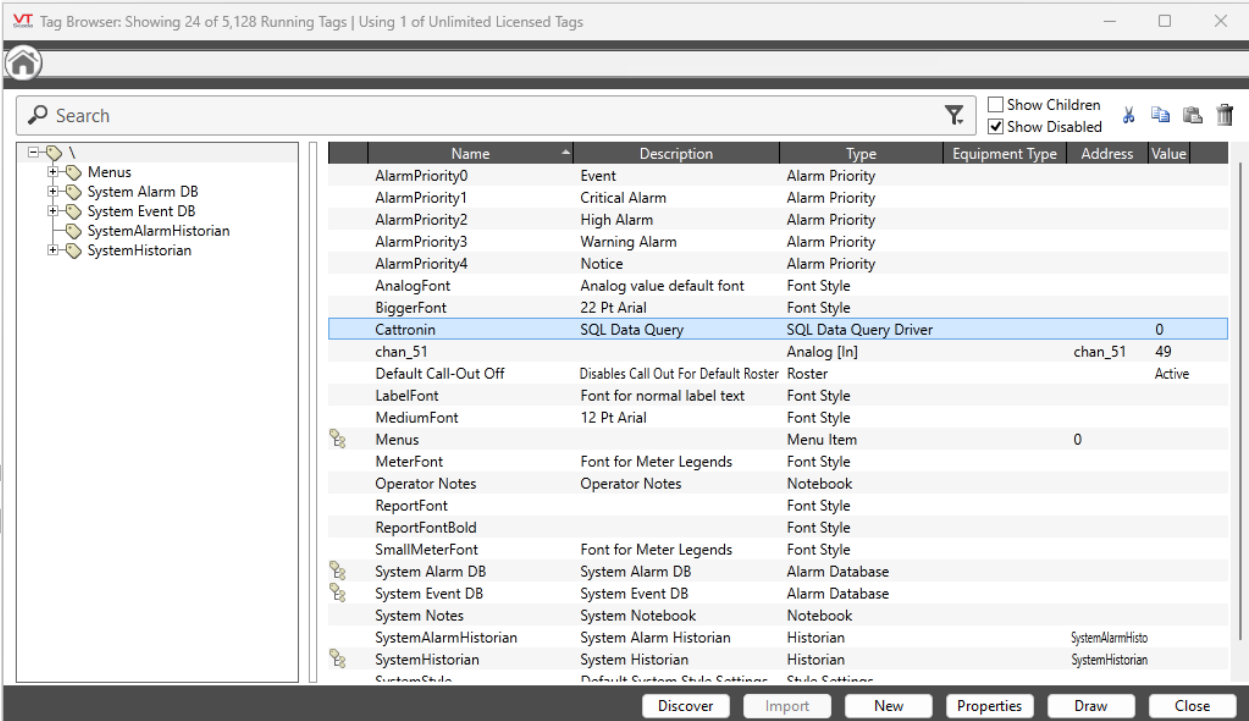
**Middle Screenshot:** The "SQL Data Query Driver (Cattronin) Properties" dialog box is open, showing the "ID" tab. The "Name" field is set to "Cattronin", the "Area" is set to "Default", the "Description" is "SQL Data Query", and the "Server List" is "Default Server Lists".

**Bottom Screenshot:** The "SQL Data Query Driver (Cattronin) Properties" dialog box is open, showing the "Database Settings" and "Query Settings" tabs. The "Database DSN" is "Cattron", the "Database Type" is "MS-SQL Server", the "Username" is "sa", and the "Password" is masked. The "Query Settings" tab shows the "Single Value SQL Query Template" set to "SELECT TOP 1 'chan\_51' AS ColumnName, chan\_51 FROM dbo.Cattron WHERE id=1". The "Use Multi Value Query Template" checkbox is unchecked, and the "Use Single Quotes On Addresses" checkbox is checked. The "Query Result Timestamp Timezone" is set to "Local", and the "Timeout Limit" is set to "2".

3.) Create a new tag of the I/O and Calculations type. Use the SQL tag we created in the previous step for the I/O device and the read address as whatever you named the column as in your SQL Query. You can name the tag anything you want.



4.) If the connection is working properly, you should have a 0 for your SQL Data Query and the value will be displayed for your Analog[In] tag



5.) You can also add a “Comm Stats Btn” for troubleshooting. It will give you error messages for the database connection. It should look like this when everything is working and you click on the button:

|               |                       |   |
|---------------|-----------------------|---|
| VT Statistics |                       | × |
| Driver Name   | Cattronin             |   |
| Driver Type   | SQL Data Query Driver |   |
| Version       | 1.1.2 May 3, 2016     |   |
| Counts        | 422                   |   |
| Timestamp     | 08:00:37              |   |
| Datestamp     | Oct 3, 2025           |   |
| dt            | 0.002 s               |   |
| Error         | 0                     |   |
| Error Mess    | No Error              |   |
| Last Error    | Invalid               |   |
| Last Err Mess | Invalid Error Code    |   |
| Error Count   | 0                     |   |
| Error Time    | Invalid               |   |
| Error Date    | Invalid               |   |
| Error Info    |                       |   |