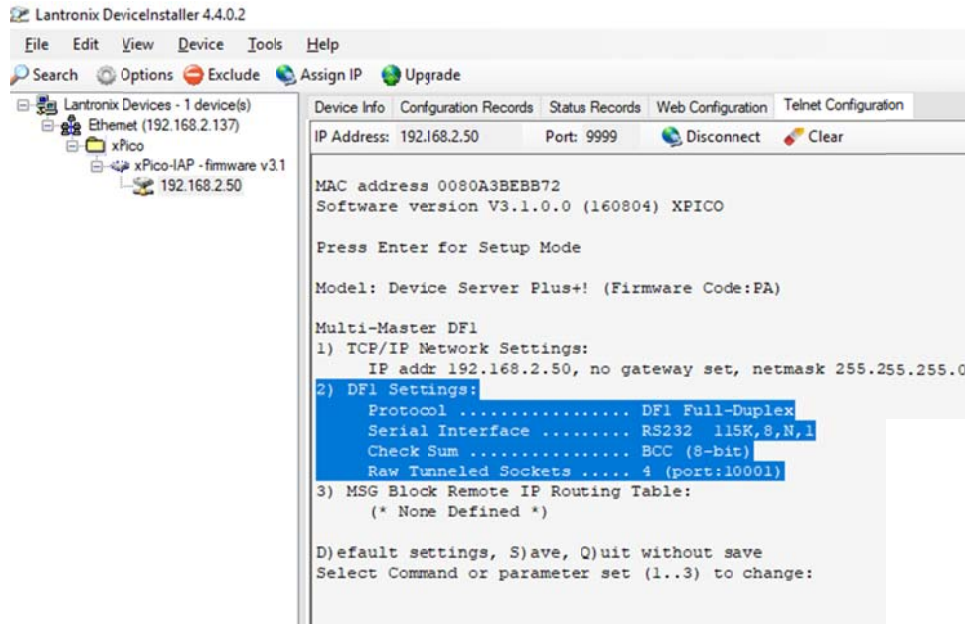
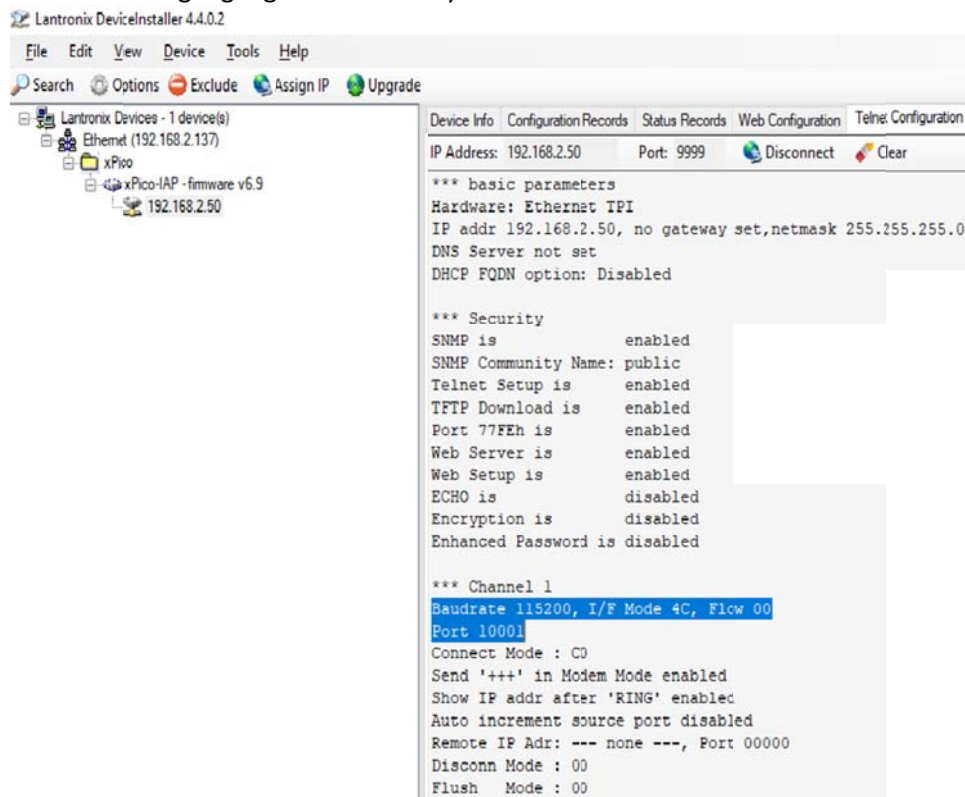


# Trihedral VTSCADA setup with DL4500-EDH+ using Allen Bradley DF1 Driver (Tunnelled under Ethernet TCP/IP).

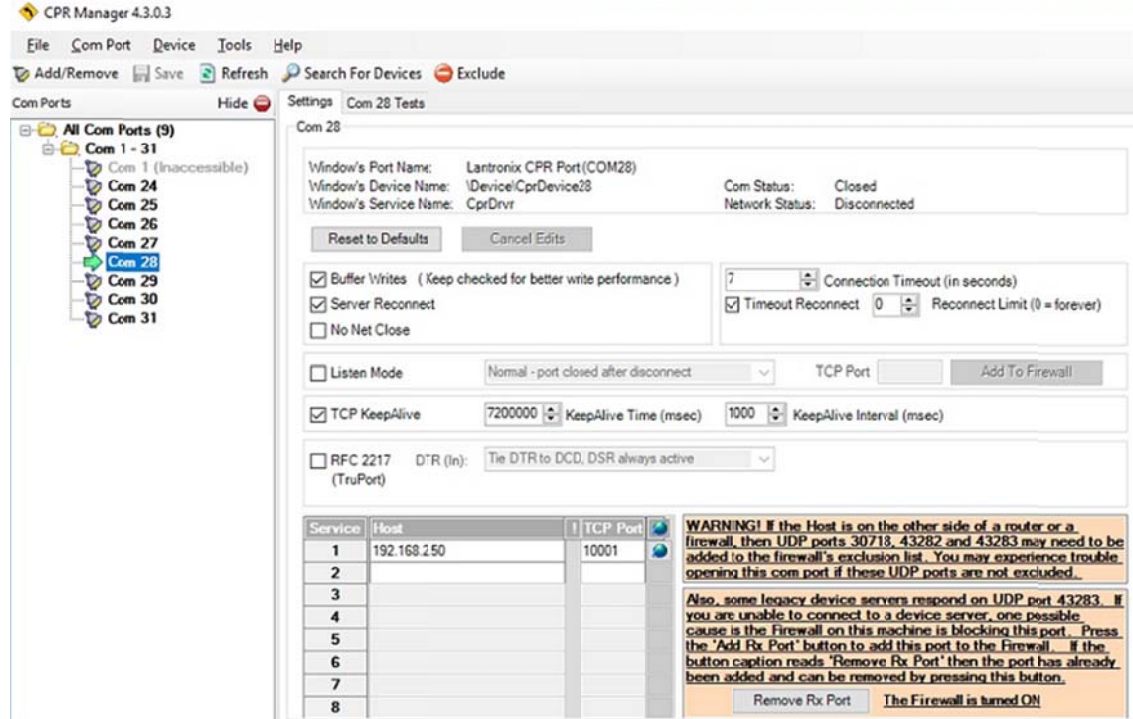
1<sup>st</sup> make sure you have set up the DL4500 IP address and telnet settings using Lantronix Device Installer  
If you have a multi master it should look like similar to those seen below, please make sure the DF1 setting highlighted be exactly same.



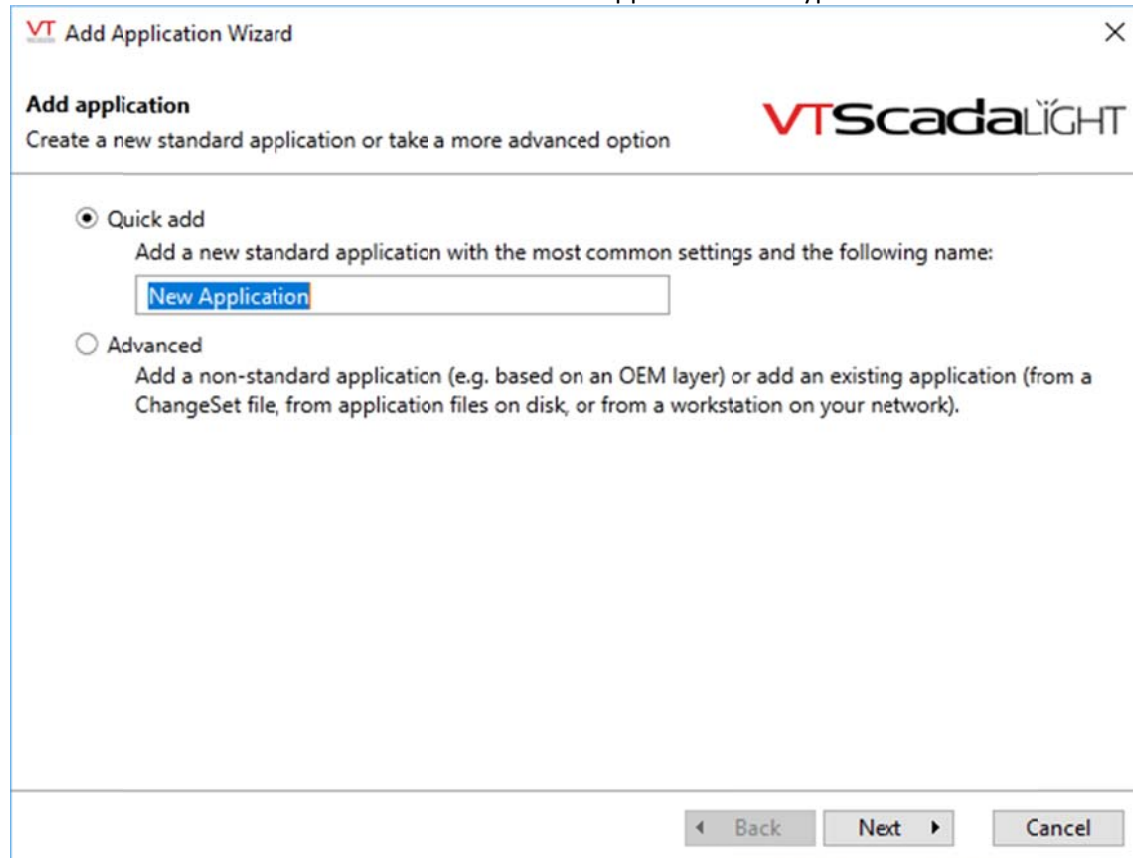
If you have a Standard Tunnel, it should look like similar to those seen below, again please make sure the DF1 setting highlighted be exactly same.



Also make sure that you have added and setup the Comport redirector port similar to that shown below, in our example we have set COM28, it can be any port available in the PC.



Start Trihedral VTSCADA software and add a new application and type the desired name.



**VT Add Application Wizard** [Close]

**Quick add**  
Ready to add application


**VTScadaLIGHT**

Press Finish to create an application using these settings:

Application Name:  
New Application

Application Path:  
C:\VTScada\NewApplication\

To specify application display options, access the Edit Properties panel from the Application Configuration dialog:



Start application now

[Back] [Finish] [Cancel]

---

**Loading Progress**

**VTScadaLIGHT Loading New Application**

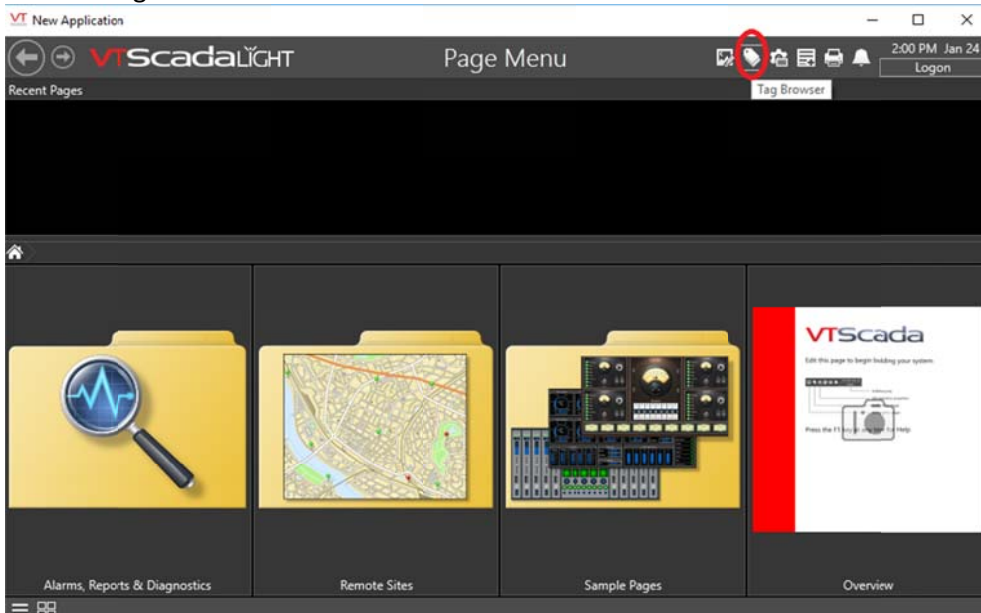
Loading Class 0 Modules	148 / 341
Total Progress	21 / 40

**Click on Tag Browser**

**VT New Application** [Close]

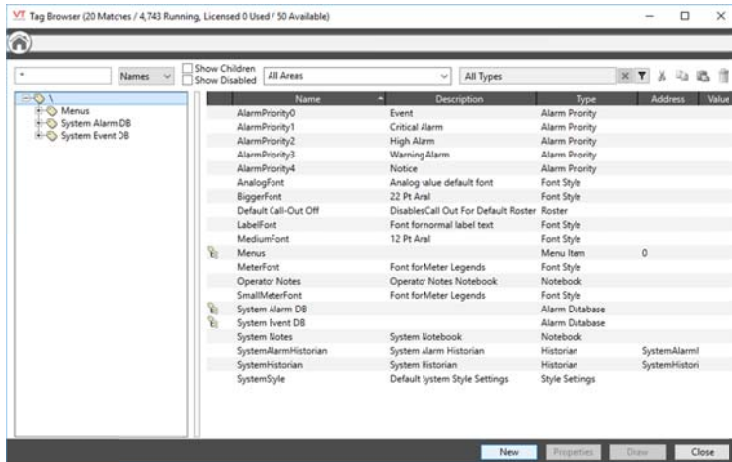
**VTScadaLIGHT** Page Menu [Home] [Tag Browser] [Print] [Logon] 2:00 PM Jan 24

Recent Pages

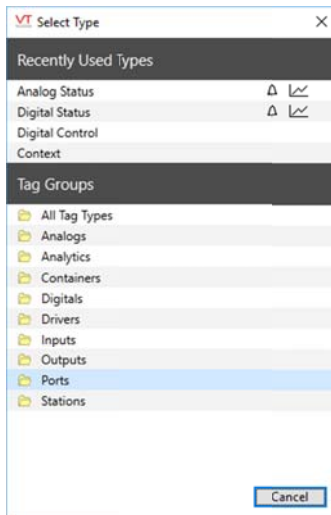


Alarms, Reports & Diagnostics Remote Sites Sample Pages Overview

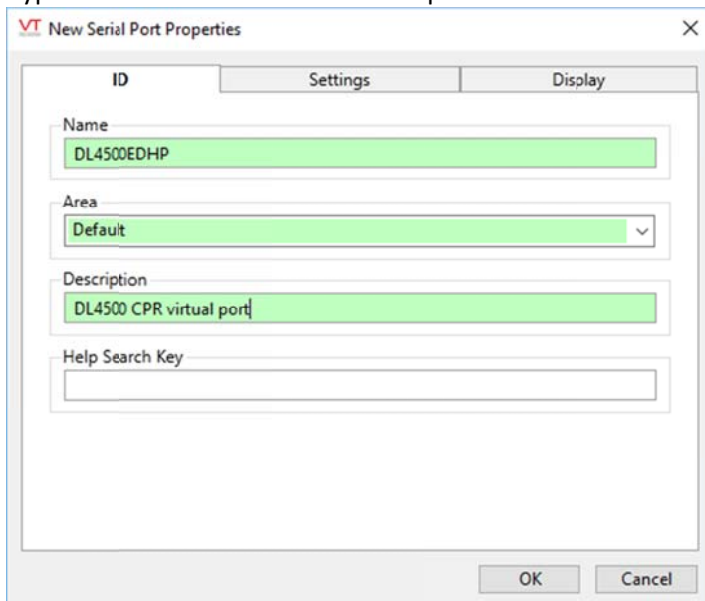
Click on New



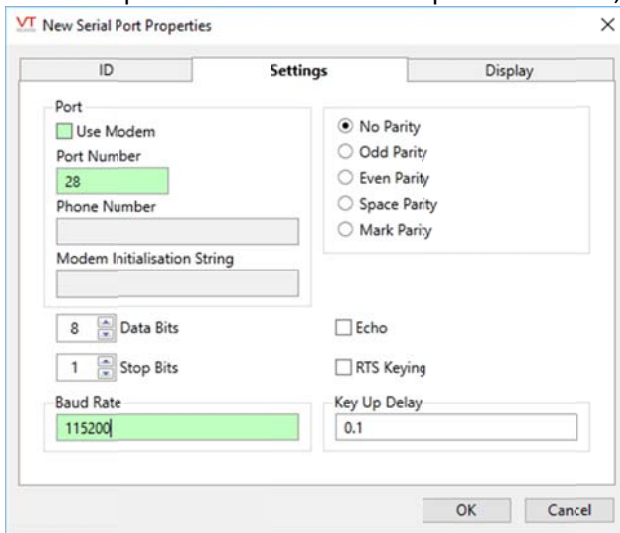
Click on Ports



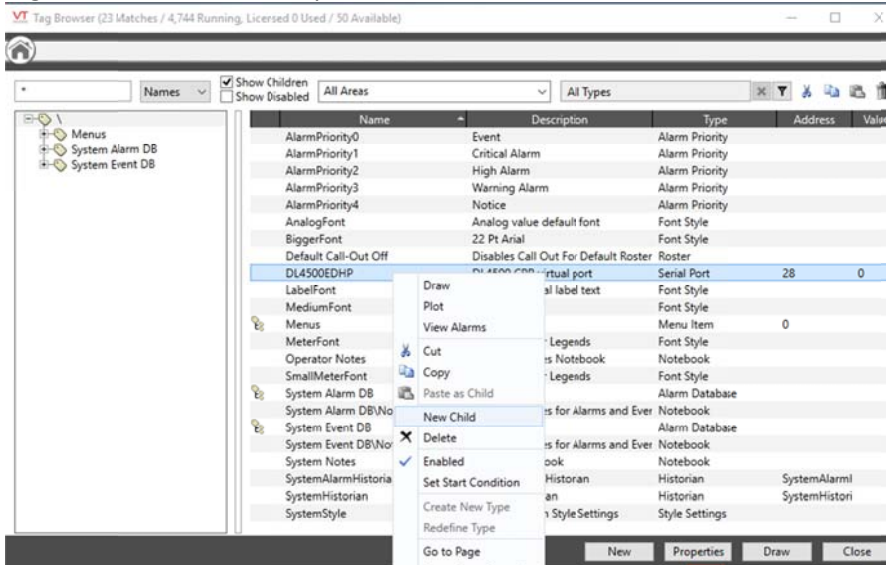
Type in the ID Name and the Description then click on OK



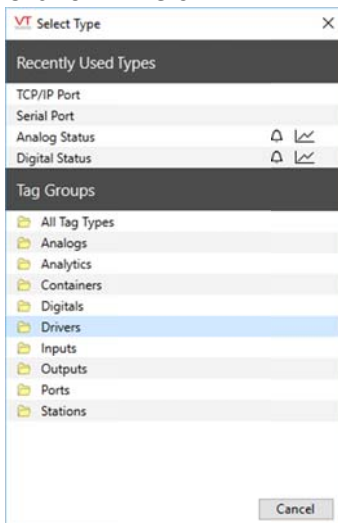
Enter the port number in this example here it is 28, then enter the port settings as shown and click OK.



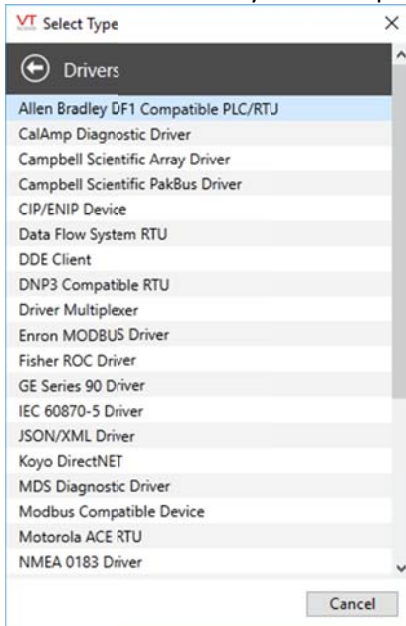
Right click on the created port and click on New Child as shown below.



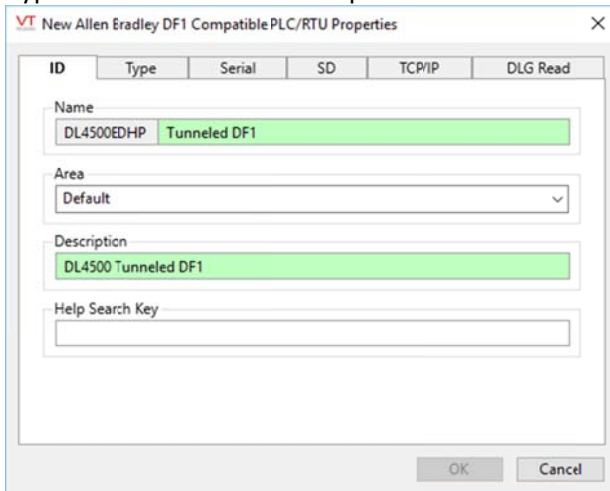
Click on Drivers



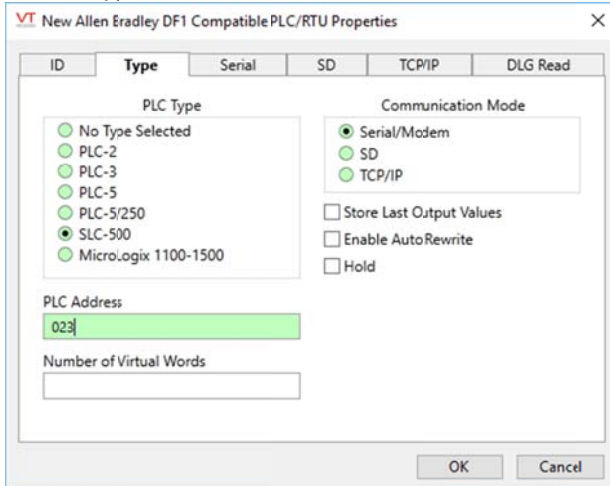
Click on Allen Bradley DF1 Compatible PLC/RTU



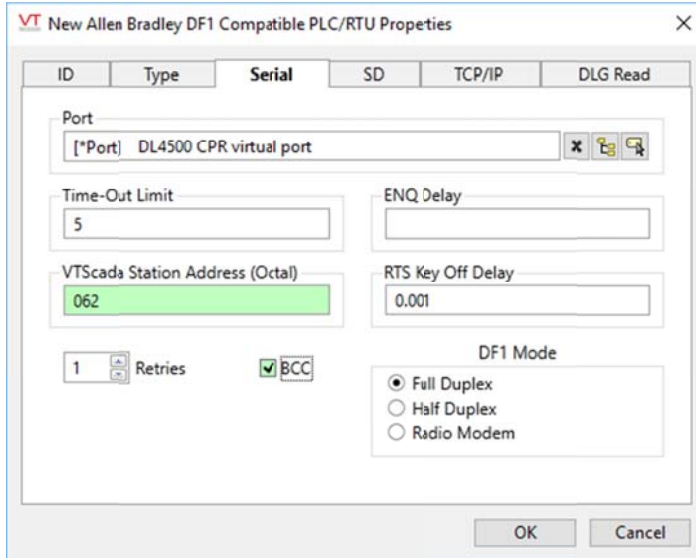
Type in the ID and the Description and click on OK



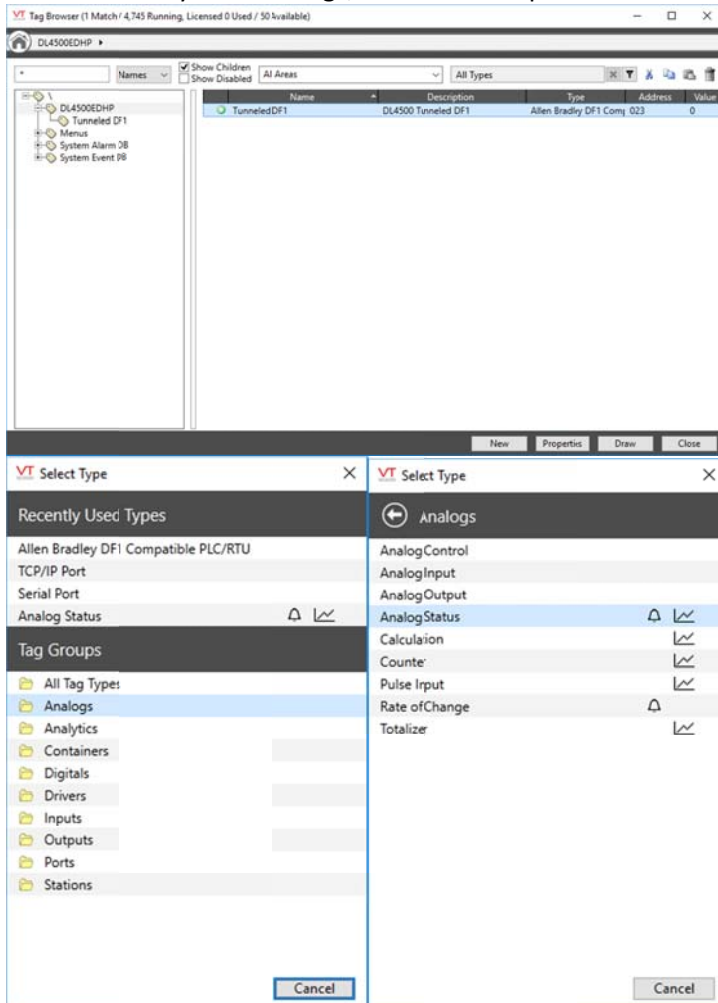
Under Type tab, select the DH+ Device, for SLC5/04 selected SLC-500, & it's node address 23 in Octal



Here select the port for the driver, enter the DL4500 Node address, and make sure to check mark BCC and for DF1 mode select Full Duplex  
 Please note DL4500 IP address last Octet was 50, so node 50 decimal = 62 Octal, as station address.



Next is to add your data tags, here for example we added the 1<sup>st</sup> word of integer file N7.



VT Analog Status (DL4500EDHP)\Integer file 7 Properties

ID I/O Scaling Alarm External Alarms Quality Display Historian

Name  
DL4500EDHP Integer file 7

Area  
System

Description  
1st word of integer file 7

Help Search Key

Inherited from parent.

OK Cancel

VT Analog Status (DL4500EDHP)\Integer file 7 Properties

ID I/O Scaling Alarm External Alarms Quality Display Historian

I/O Device  
[Tunneled DF1] DL4500 Tunneled DF1

Address  
N7:0

Scan Interval  
1

History Address

History Scan Interval

Enable Output

Manual Data

OK Cancel



VT Analog Status (DL4500EDHP\Integer file 7) Properties

ID I/O **Scaling** Alarm External Alarms Quality Display Historian

Unscaled Process Data Min  
0

Unscaled Process Data Max  
0

Scaled Process Data Min  
0

Scaled Process Data Max  
100

Low Scale Value

High Scale Value

Engineering Units  
%

OK Cancel

VT Tag Browser (2 Matches / 4,747 Running, Licensed 1 Used / 50 Available)

DL4500EDHP

Names  Show Children  Show Disabled All Areas All Types

Name	Description	Type	Address	Value
Integer file 7	1st word of integer file 7	Analog Status	N7:0	1,998
Turneled DF1	DL4500 Turneled DF1	Allen Bradley DF1 Compatible P 023		0

DL4500EDHP  
Integer file 7  
Turneled DF1  
Menus  
System Alarm DB  
System Event DB

New Properties Draw Close