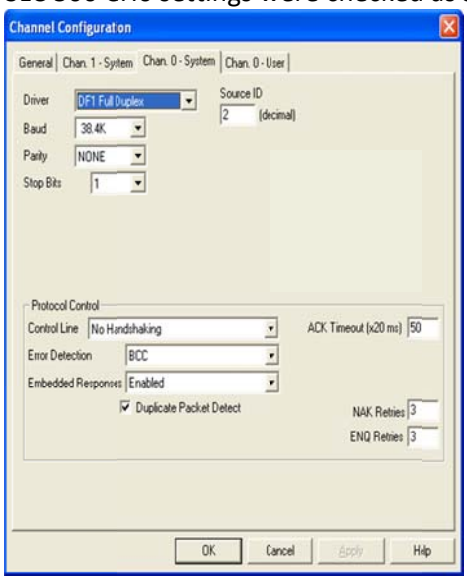
Access any Allen Bradley Device with DF1 port, through EQ-DCM using Allen Bradley Ethernet Driver and DF1 Driver as well.

In this application basically we are adding Ethernet capability to the SLC500 while keeping the ability to access it through the RS232 DF1 port as well.
SLC500 CH0 was connected to CHB of the EQDCM, while CHA was connected to PC running RSLINX and RSLOGIX, EQ-DCM Ethernet port was connected through a switch to our Ethernet network.

SLC 500 CH0 settings were checked as shown

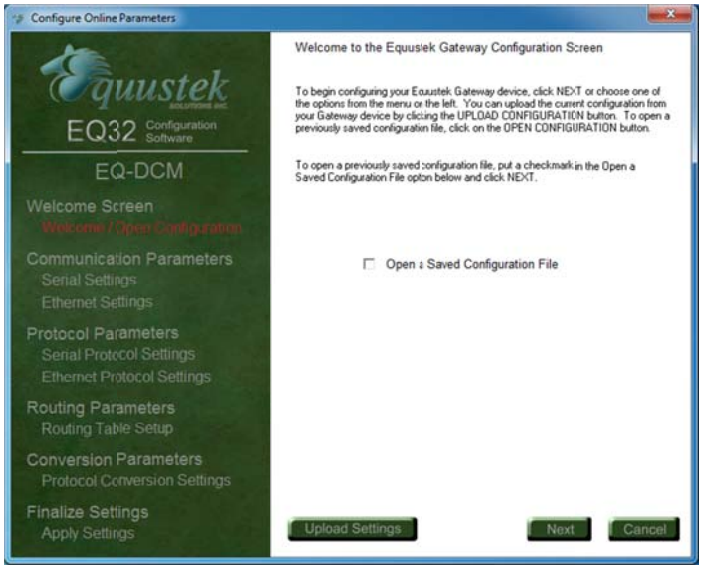


Start EQ32 configuration software and click on EQ-DCM

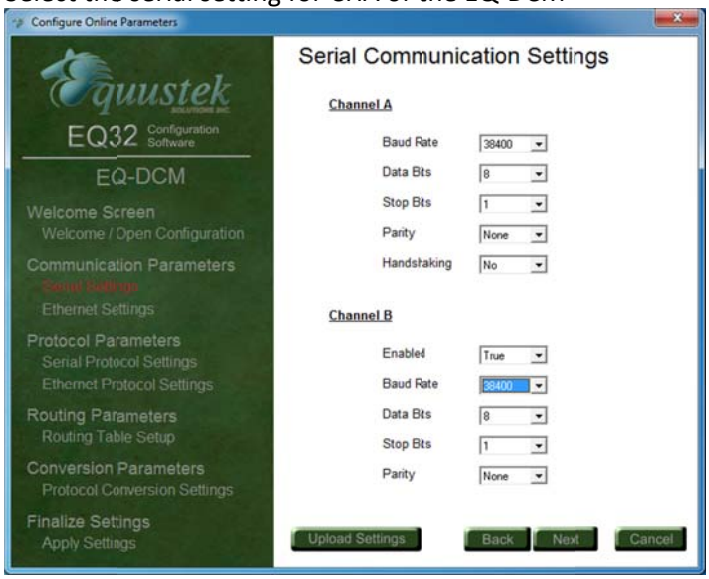
Click on AB Ethernet ASCII DF1

Select the serial port that is connected to the PC running EQ32, then click on Configure

Click on Next



Select the serial setting for CHA of the EQ-DCM



Enter your Ethernet settings

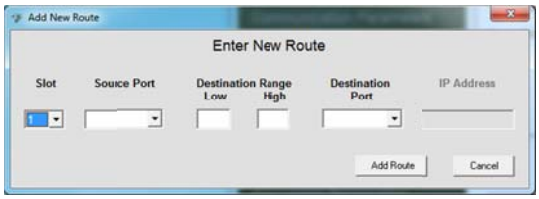
Enter CHA Serial Protocol settings

Enter CHB Serial Protocol settings

Click on Next

Click on Add route

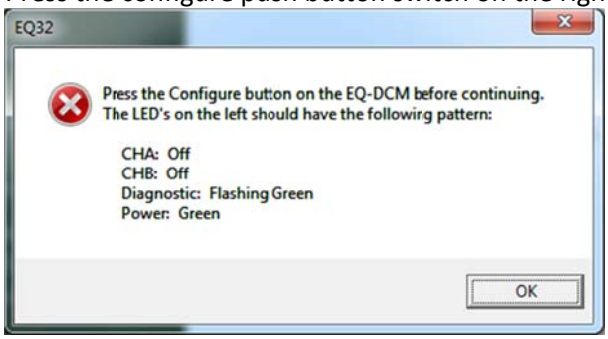
Enter Route and click add route



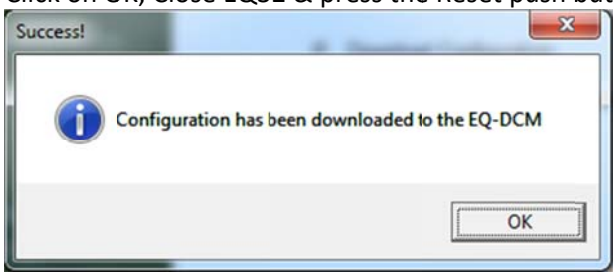
When done with both routes click on Next

Click on Finish to download the configuration settings

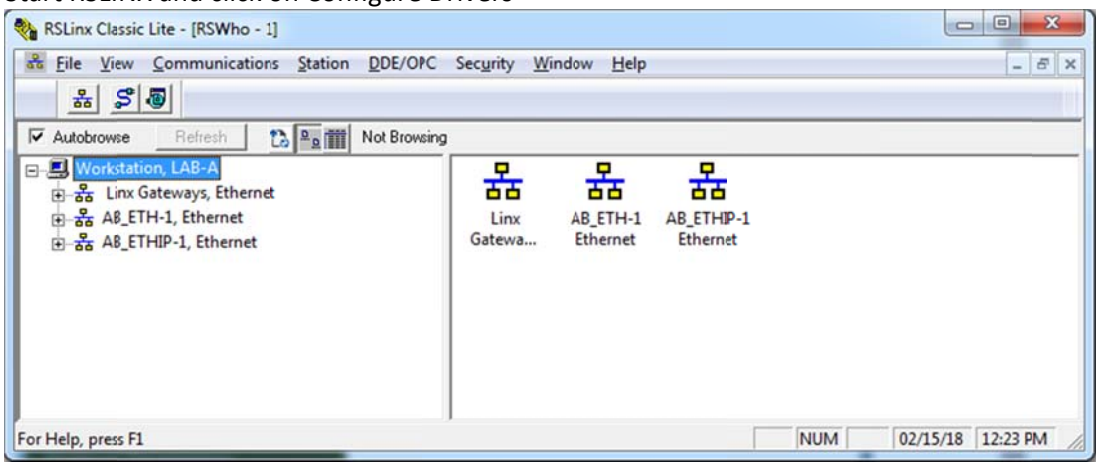
Press the configure push button switch on the right hand side of the unit then click on OK



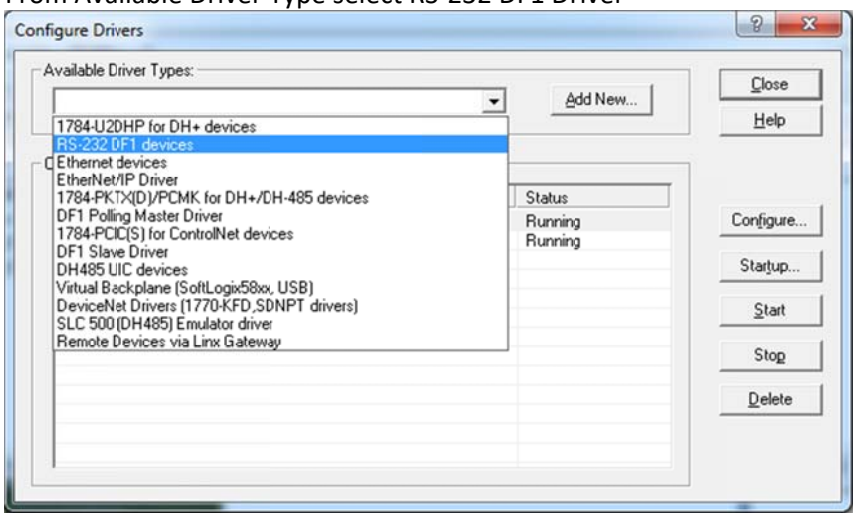
Click on OK, Close EQ32 & press the Reset push button switch on the left hand side of the unit



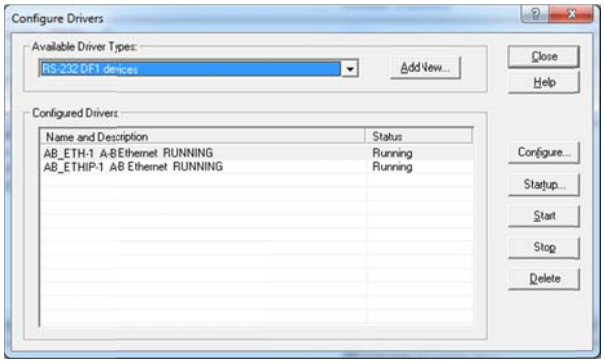
Start RSLINX and click on Configure Drivers



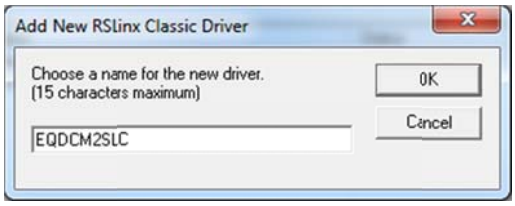
From Available Driver Type select RS-232 DF1 Driver



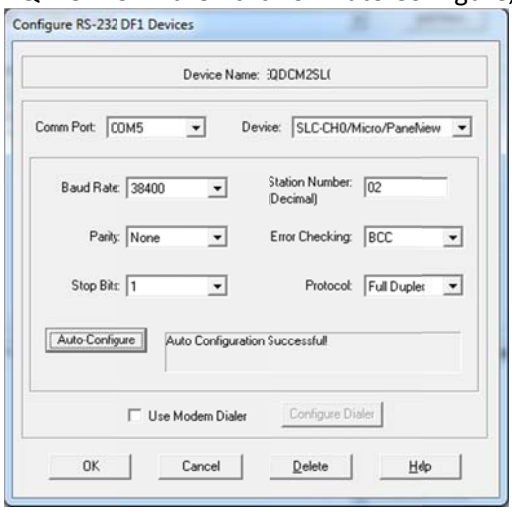
Click on Add new



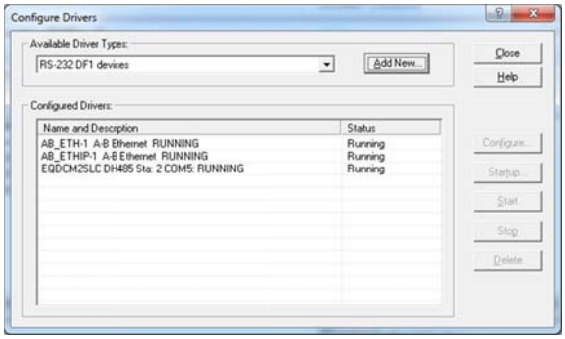
Name the driver and click on OK



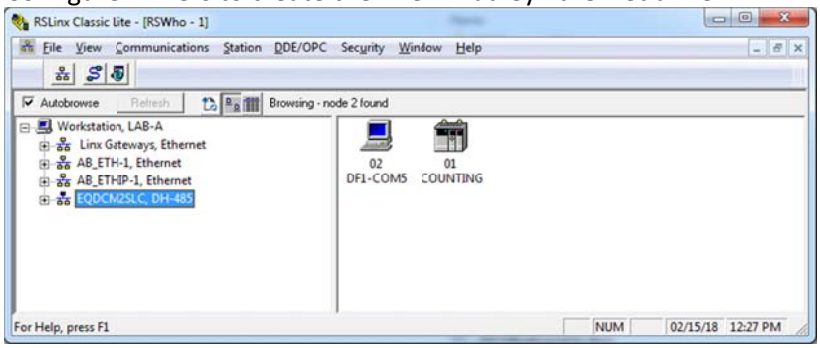
Enter Allen Bradley CH0 DF1 settings and select the COM port that is connected between the PC and the EQ-DCM CHA then click on Auto Configure, once successful click on Ok



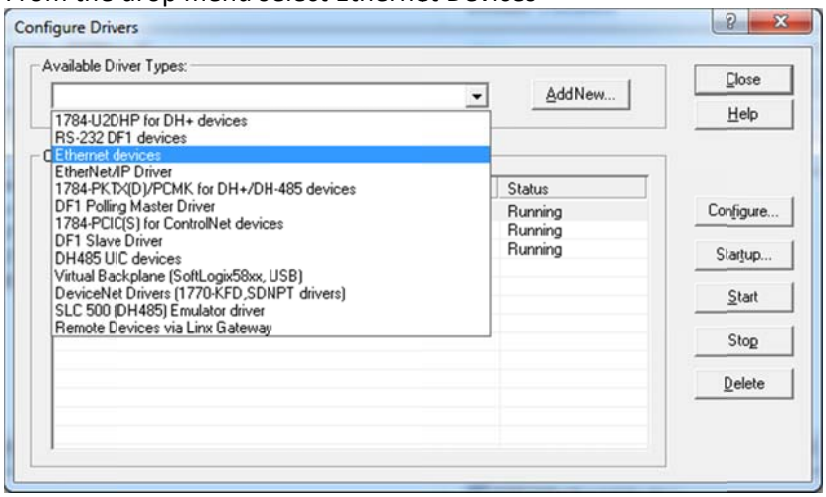
Click on Close



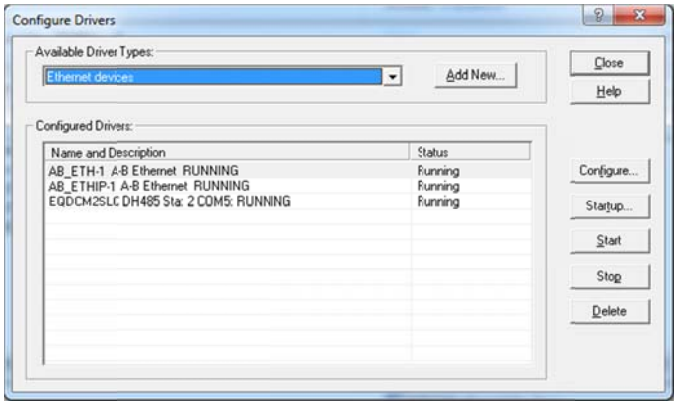
Open RSWHO and check mark Auto Browse while highlighting the DF1 driver created, then click Configure Drivers to create the Allen Bradley Ethernet driver



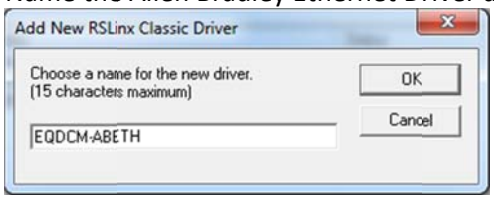
From the drop menu select Ethernet Devices



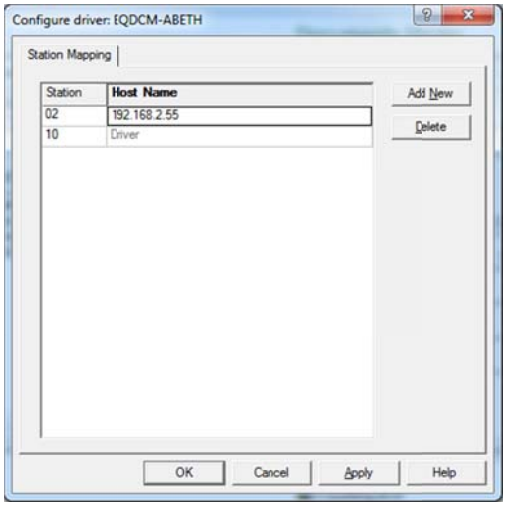
Click on Add New



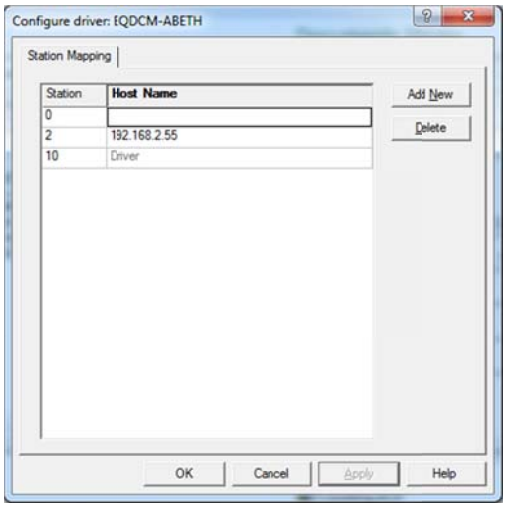
Name the Allen Bradley Ethernet Driver and click on OK



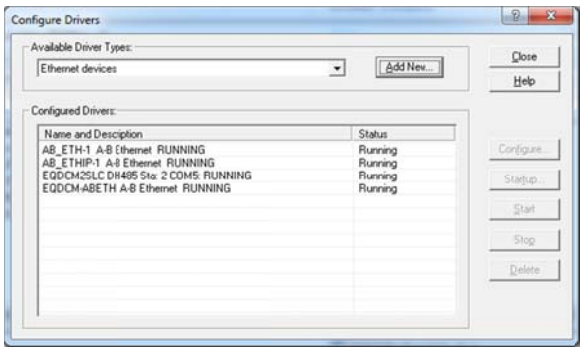
Enter the routing table, under Host name is the EQ-DCM IP address, Station 02 is CH0 node address in Decimal



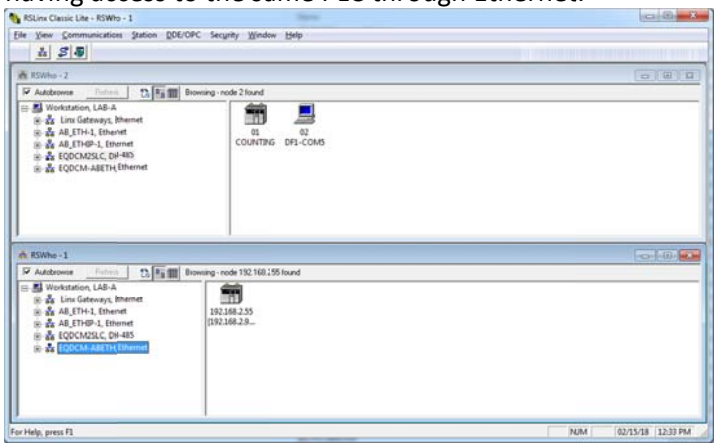
Driver station enter a number other than the CH0 node address, after you click on Apply click on OK



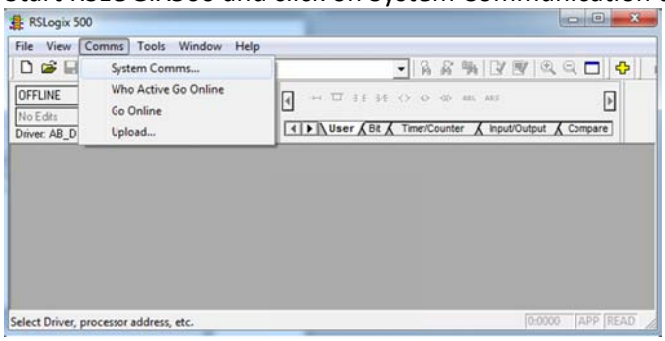
Click on Close



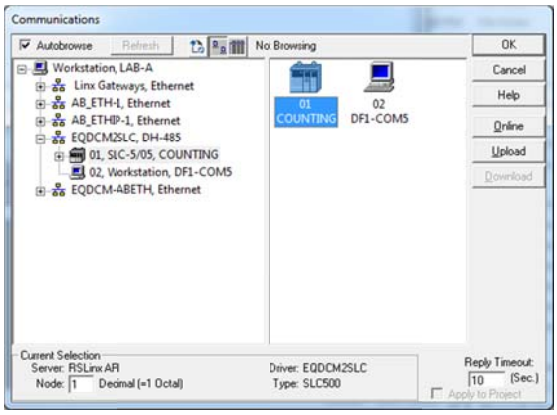
Open another RSWHO window, check mark auto browse and highlight the driver
Now you have access to your Allen Bradley Device through both, CH0 DF1 port and at the same time having access to the same PLC through Ethernet.



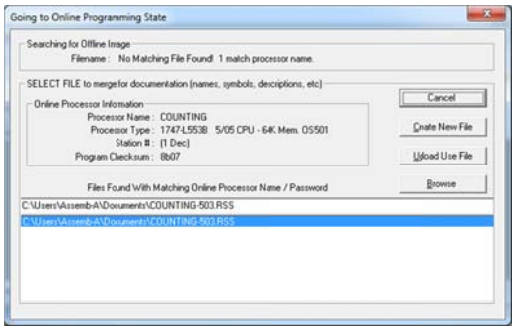
Start RSLOGIX500 and click on System Communication under Comms tab



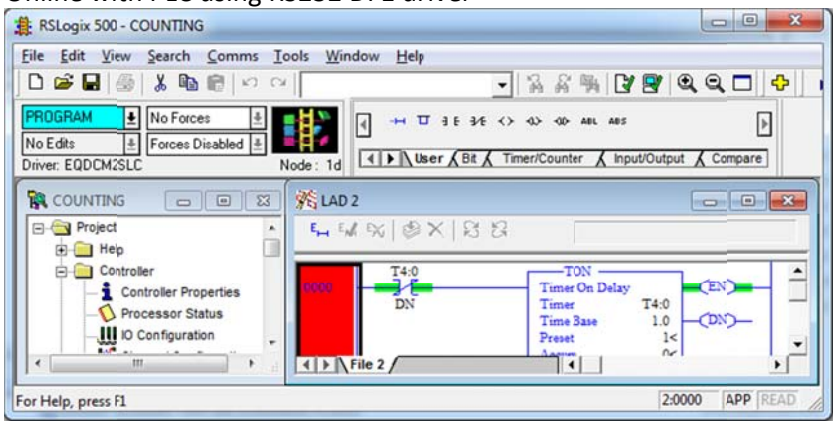
From the DF1 driver click on the PLC and click on Online



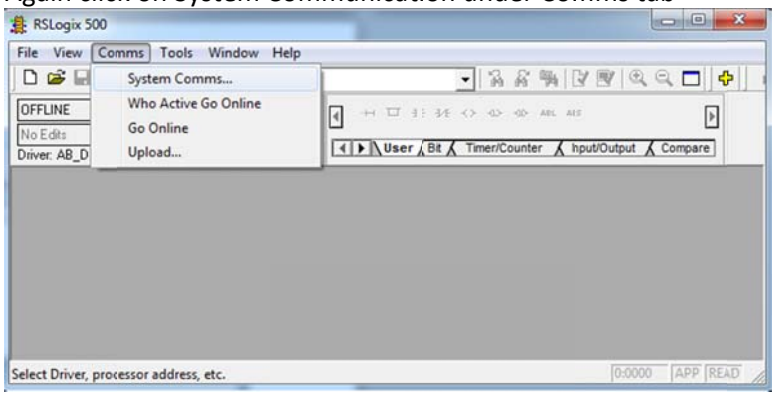
Select a file or create new file



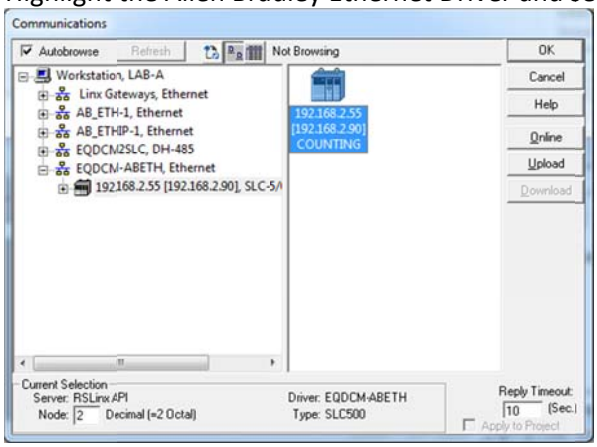
Online with PLC using RS232 DF1 driver



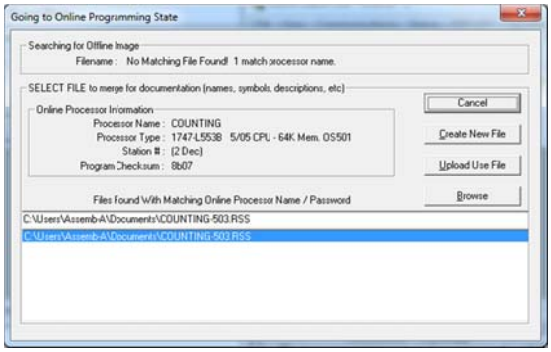
Again click on System Communication under Comms tab



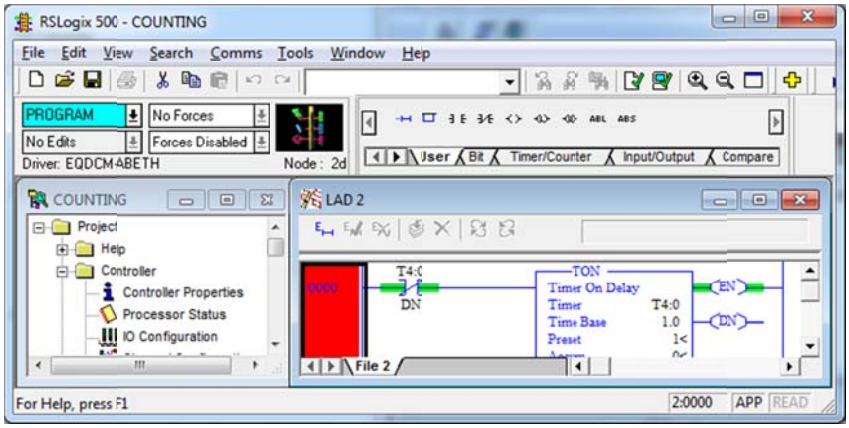
Highlight the Allen Bradley Ethernet Driver and select the PLC and click on Online



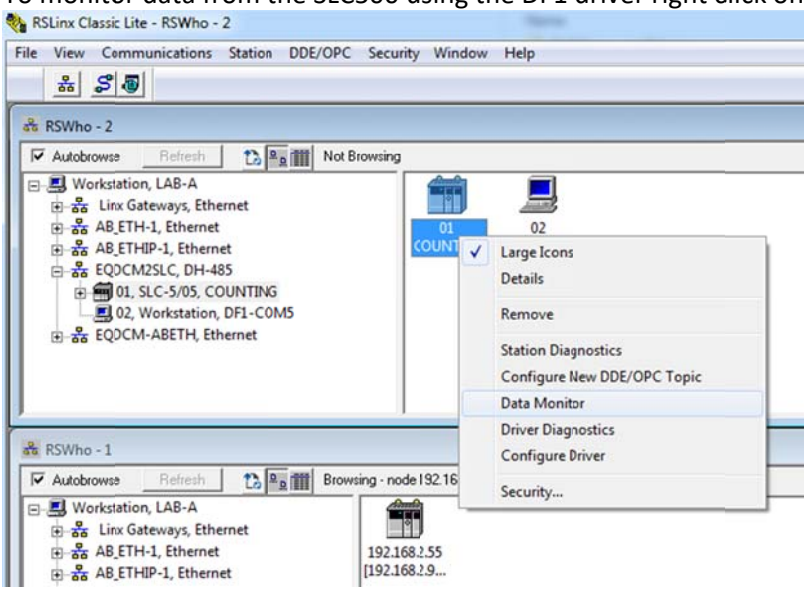
Select a file or create new file



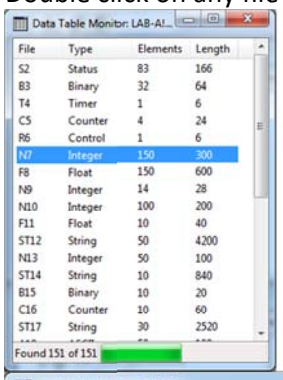
Now we are online with the SLC500 with both RS232 DF1 driver and Allen Bradley Ethernet Driver.

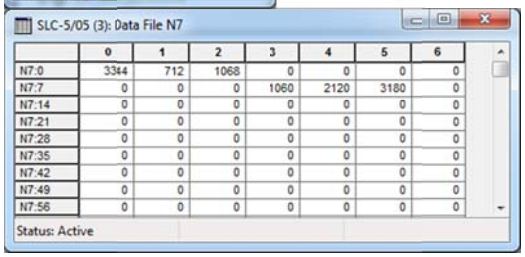


To monitor data from the SLC500 using the DF1 driver right click on the SLC icon & click on Data Monitor

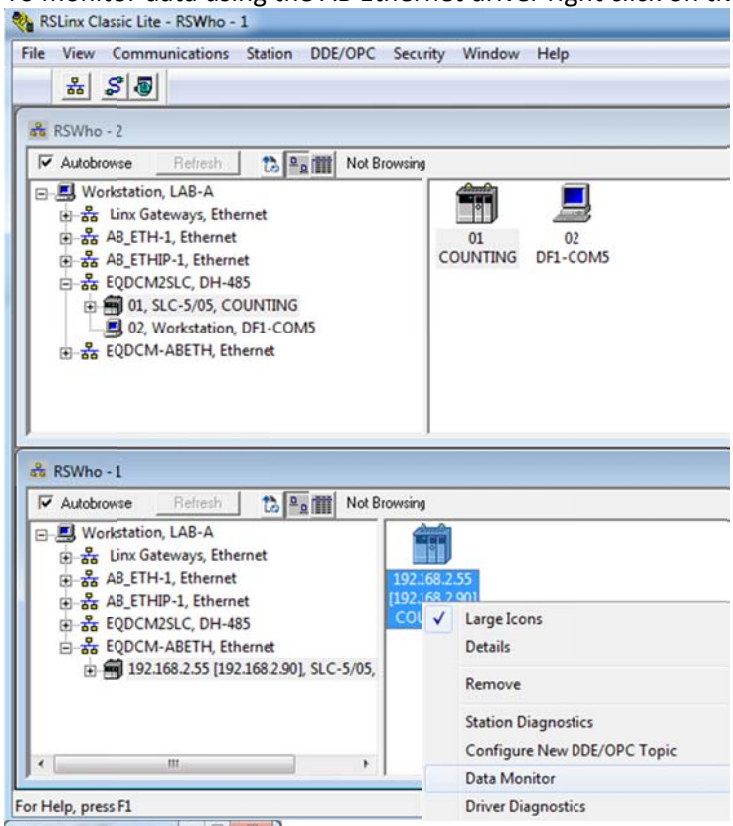


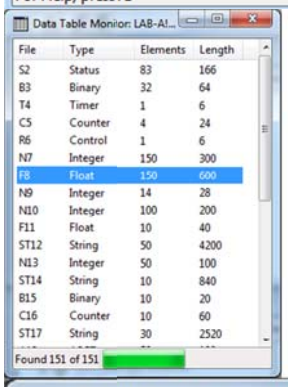
Double click on any file that you want to monitor

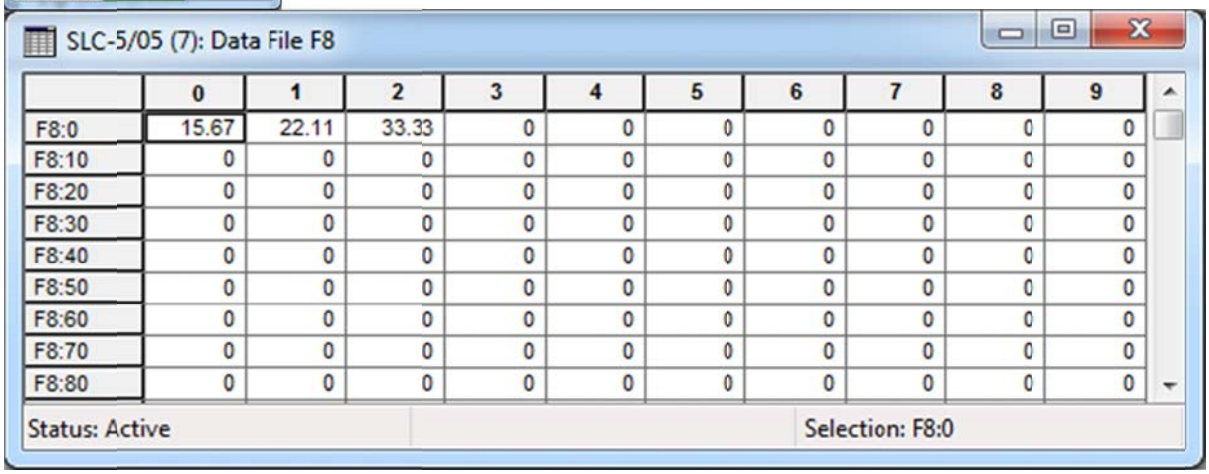




To monitor data using the AB Ethernet driver right click on the SLC icon & click on Data Monitor







	0	1	2	3	4	5	6	7	8	9
F8:0	15.67	22.11	33.33	0	0	0	0	0	0	0
F8:10	0	0	0	0	0	0	0	0	0	0
F8:20	0	0	0	0	0	0	0	0	0	0
F8:30	0	0	0	0	0	0	0	0	0	0
F8:40	0	0	0	0	0	0	0	0	0	0
F8:50	0	0	0	0	0	0	0	0	0	0
F8:60	0	0	0	0	0	0	0	0	0	0
F8:70	0	0	0	0	0	0	0	0	0	0
F8:80	0	0	0	0	0	0	0	0	0	0

Now you are able to see that through the EQ-DCM we were able to add Ethernet capability to the SLC500 while still being able to use the RS232 DF1 port as well.