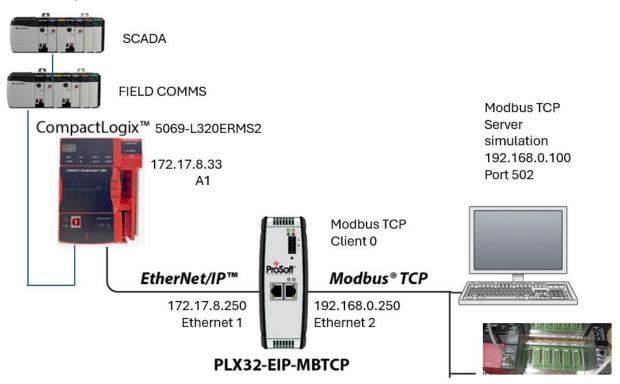
# Configuring Prosoft ETHIP to MODBUS PLX32-EIP-MBTCP

#### Contents

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## **Test Layout**



## Configuring the module

Follow the instructions on the video to configure the Prosoft module

Start Prosoft Configuration Builder.

https://www.youtube.com/watch?v=H\_\_rMW2oBYQ

### Configuring IP addresses on all setup

Use different subnets for Port 1 and 2

Laptop is the Modbus server on address 192.168.0.100

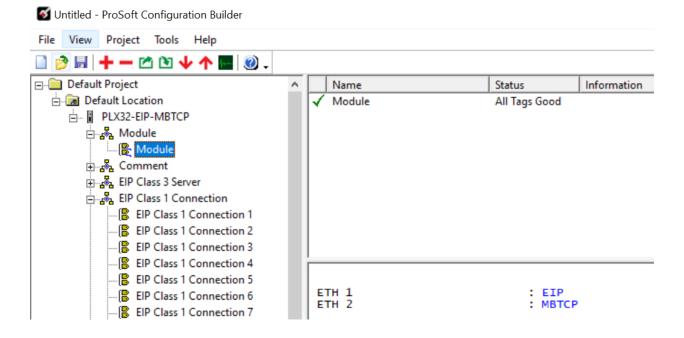
PC identifier: CATPROLP1003-23

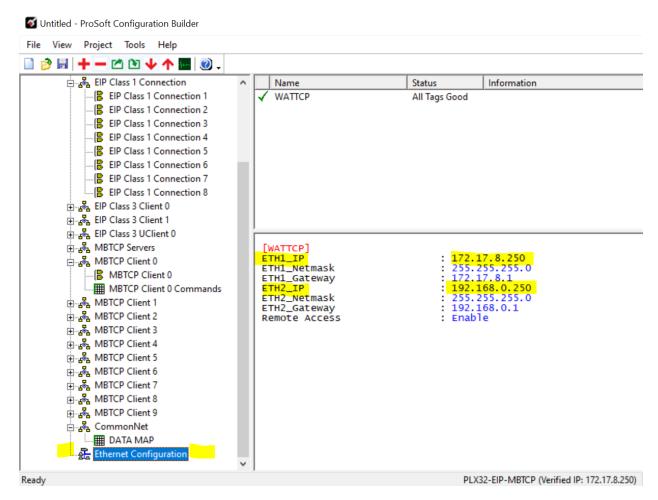
Ethernet Port 1 is 192.168.0.250

Ethernet Port 2 is 172.17.8.250

PLC address is 172.17.8.33

Run Prosoft Configuration Builder to set up the Prosoft IP address



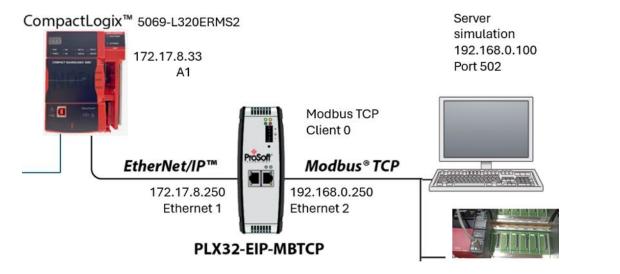


Download configuration to Prosoft device using Eth1

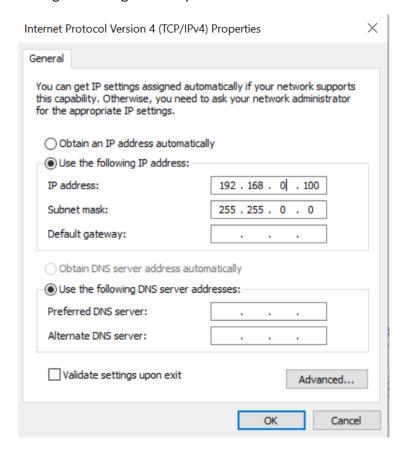
Then unplug patchcord between PC and Prosoft and plug Patchcord between PLC and Prosoft

So swap patchcords

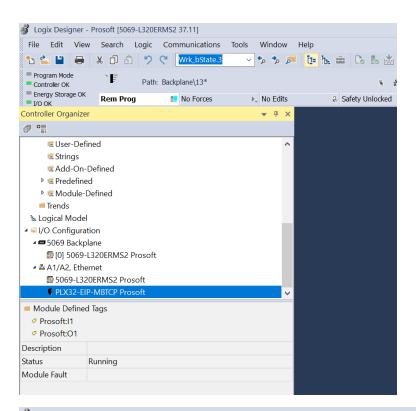
Using layout configuration

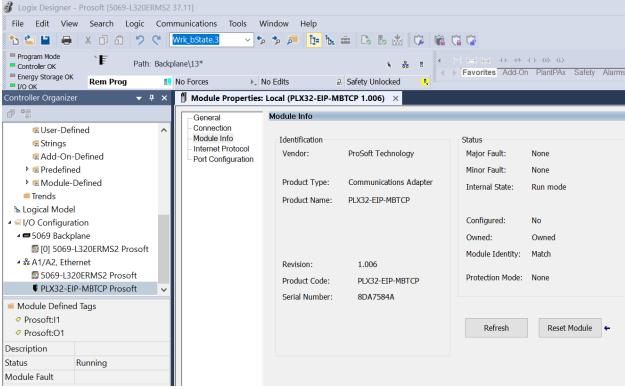


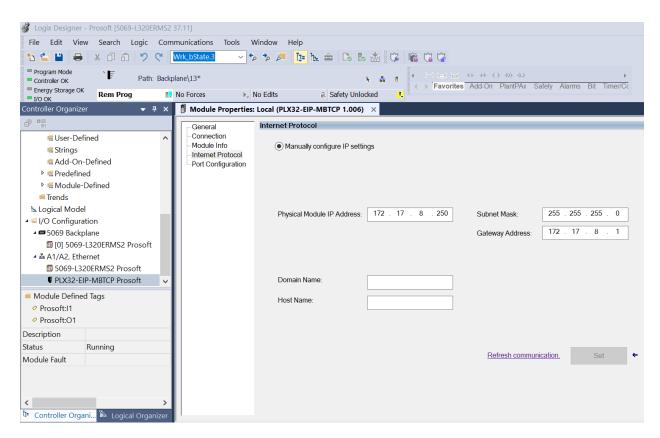
#### Change IP settings on computer



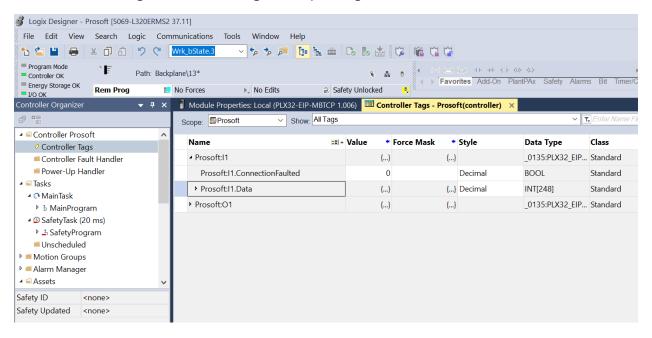
Now the Prosoft module does not gives timeout error

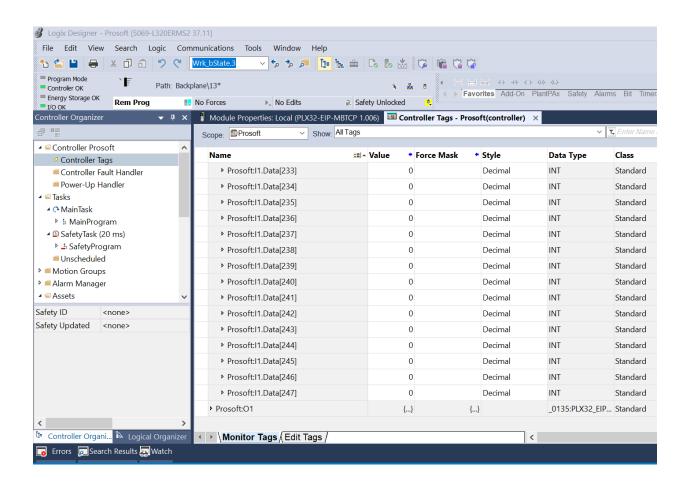






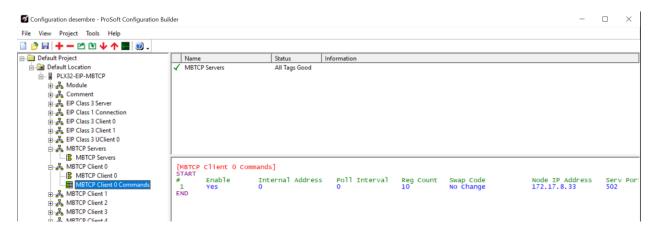
We have the PLC Tags on Controller Tags corresponding to Prosoft Module, if we use class 1.

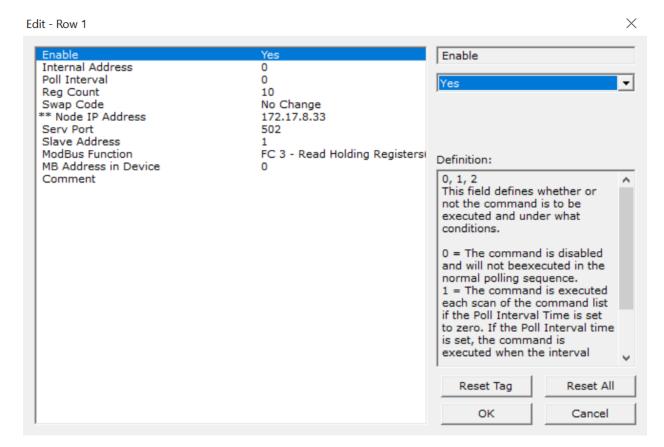




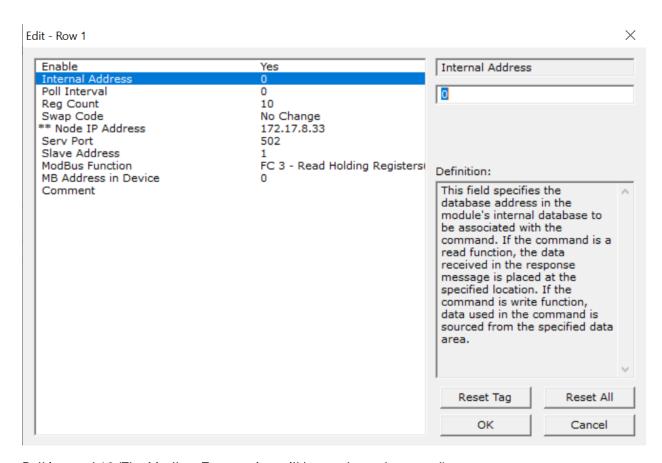
## Configure Modbus Transaction

#### Configuring Prosoft Client 0

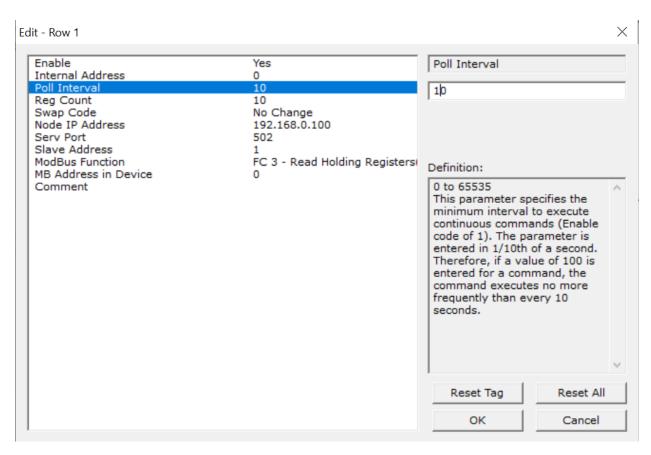




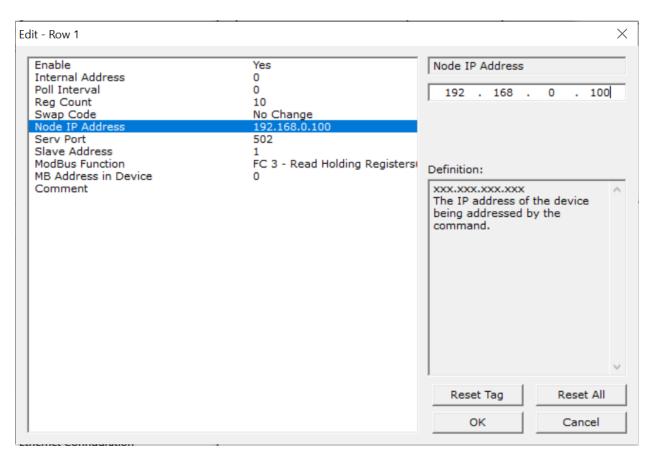
We will use the internal address (Prosoft) 0 to store he data coming from the server (PC)



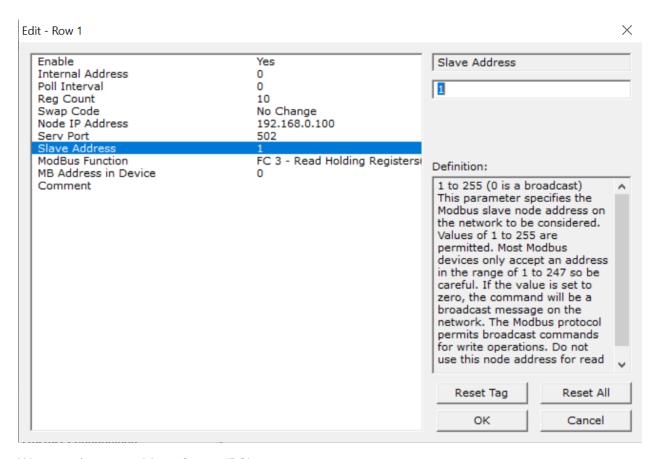
Poll interval 10 (The Modbus Transaction will be made each second)



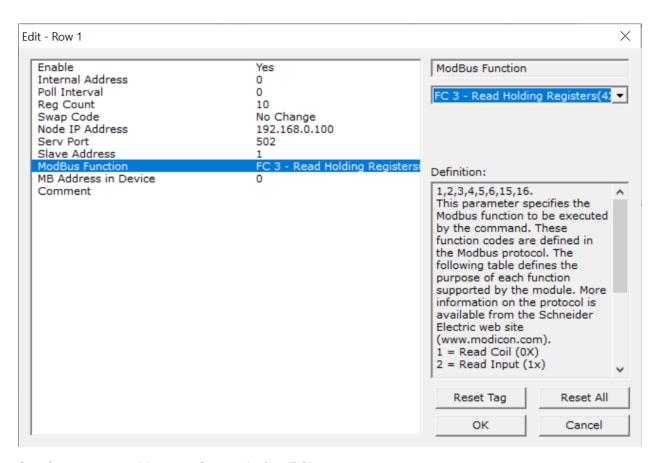
Server (PC) address



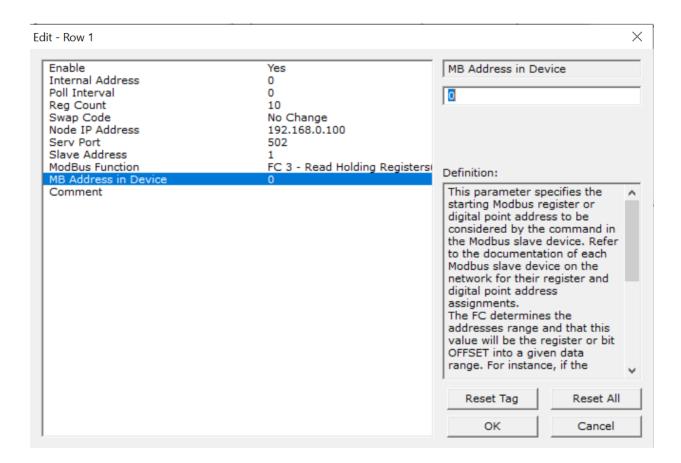
Slave address (PC) as 1



We are going to read from Server (PC)

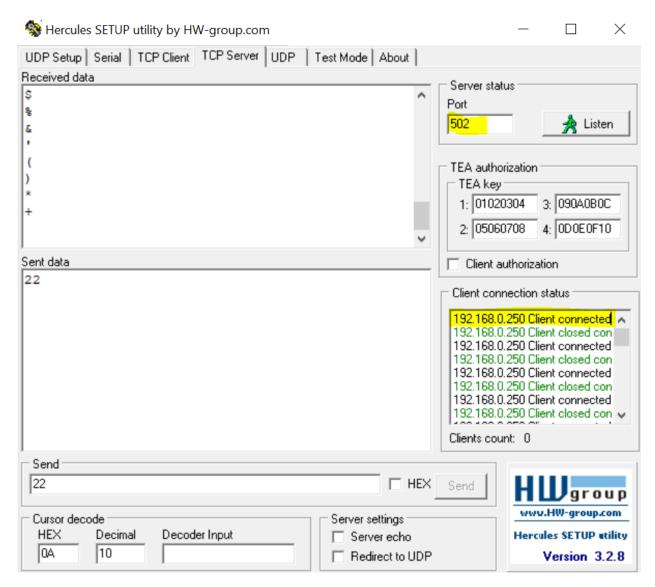


Starting memory address on Server device (PC) as 0

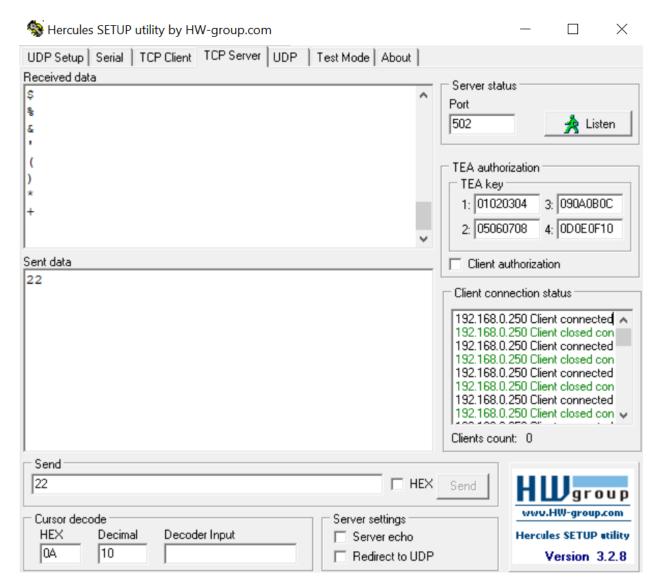


## Testing the connection

We see that each second the client (Prosoft) is connected to the server (PC) on port 502

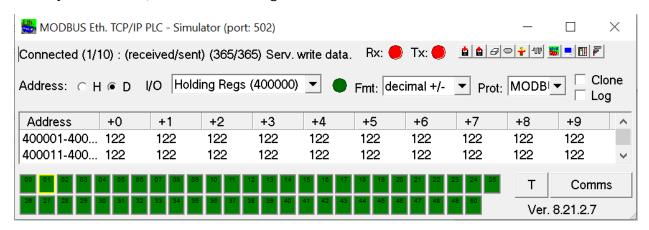


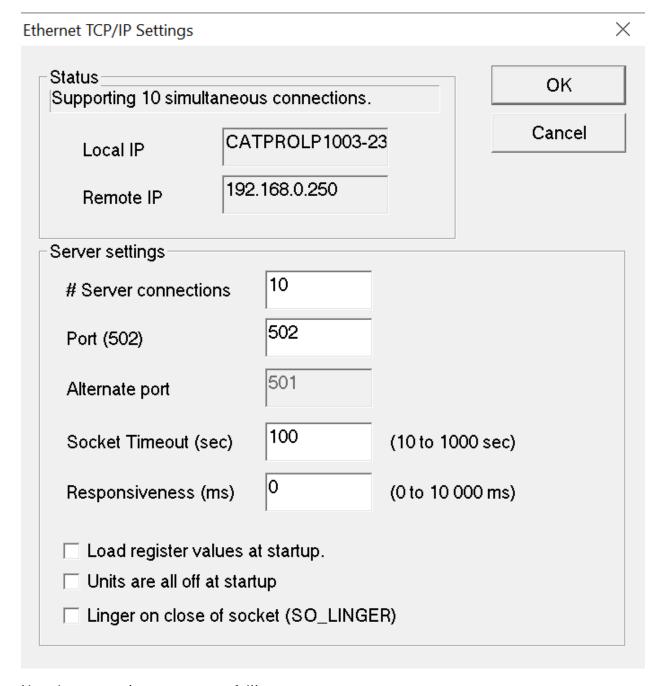
But still we are getting errors on Prosoft Module (Error LED blinking)



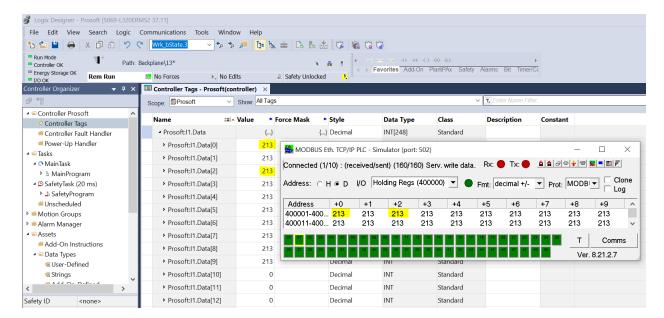
But we need another software to be able to use a Server memory map

Let's try with this one, with a incrementing value on all addresses each 5 seconds





Now the transactions are successful!!



As you can see on this video

#### https://youtu.be/yglcjhCR0w0

You can find the code here including PLC program and Prosoft configuration file here on github

https://github.com/xavierflorensa/Prosoft-EtherNet-IP-to-Modbus-TCP.git