Setup Devices IP Address

Method 1 - Adjust reality to match the config

- 1. Set ACC to 192.168.1.18 Node=3 Port 10001
- 2. Set Laptop to 192.168.1.201 (See notes labelled "Windows 10 Change IP Address for demo" at the end of this doc.)
- 3. Connect gateway, ACC and laptop to router
- 4. Browse to gateway by typing IP address into chrome address bar: 192.168.1.168
- 5. View, connection overview, we expect stats for msgs Rx and Tx on the Hunter connection. If these do not count up call for help (See step 5 of method 2)
- 6. Browse to demo by typing IP address into chrome address bar : 192.168.1.168/hunter.html

Method 2 - Adjust the config to match reality

1. Note the following from the 2 line display on the Hunter ACC Controller

ACC-Com-LAN Address: Example - 3

Lan IP: Example 192.168.1.168

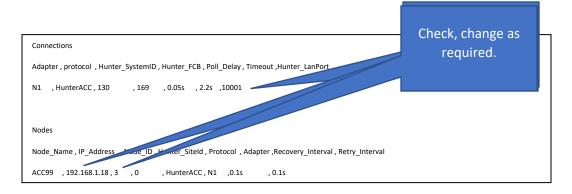
Lan Port: Example 1001

If you wish to change these follow the procedures provided by Hunter Industries.

2. Upload the configuration from the Gateway

Procedure provided in 'Simplified Support for Gateways - Chipkin 2019 October.pdf"

3. Edit the configuration. It is better to use notepad than Excel.

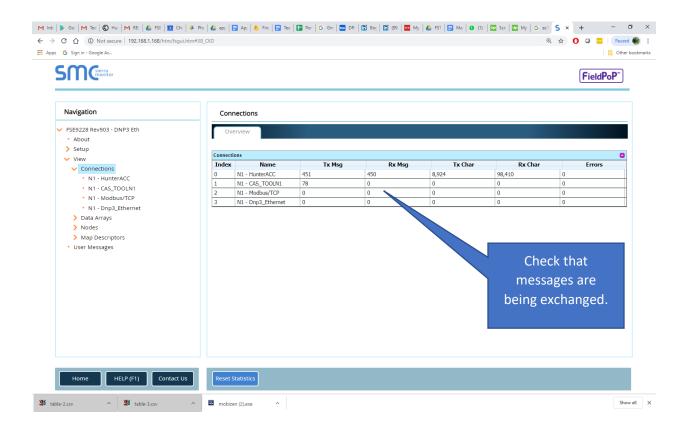


4. Download the edited configuration file to the gateway, restart the gateway to give effect to the changes.

Procedure provided in 'Simplified Support for Gateways - Chipkin 2019 October.pdf"

5. Browse to the Gateway

View the connections – You should see messages counting up on the Hunter connection.



Points List

Hunter ACC 8705-33 Driver - DNP3 BACnet Modbus Points List.xlsx Google it to find it.

Testing Using WEB demo

Browse to the page hunter.html on the gateway. If you get a 404 error then email support@chipkin.com . They will provide you with the Hunter Web Demo files



Installing the demo

Make a folder called temp on your C Drive

Copy the zip file to c:\temp

Unzip the files in C:\temp

Start a DOS Window (Hold windows key and push the R key, Type CMD and click OK)

Change folder by typing: cd\temp<Enter>

If 1.2.3.4 is the IP Address of the gateway then type

ACC_sendtogateway 1.2.3.4 <Enter>

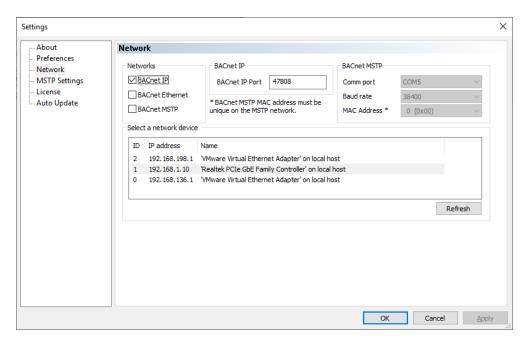
No restart is required. Should work immediately.

Testing Using BACnet

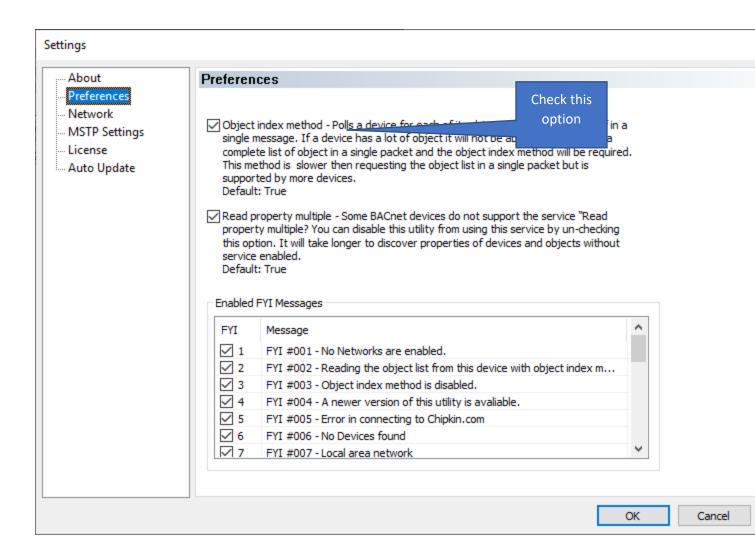
Download CAS BACnet Explorer from this page: https://store.chipkin.com/products/tools/cas-bacnet-explorer

Activate – Insert the Green key in your laptop (there is another better way to install permanently on your laptop)

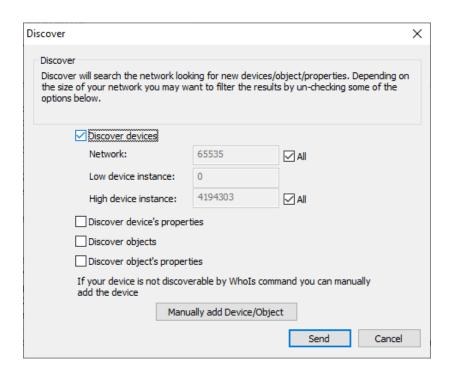
CHANGE SETTINGS - select your network card, turn on BACnet IP



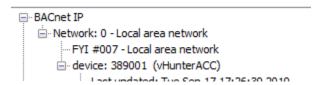
CHANGE SETTING – The object list index is too big to fit in one packet



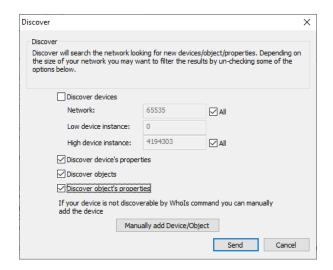
Do discovery – check devices box



You should get this.



Once the device has been discovered, select it by clicking on the device 389001, and right click to select DISCOVER again. This time check all the boxes to discover objects on the device.

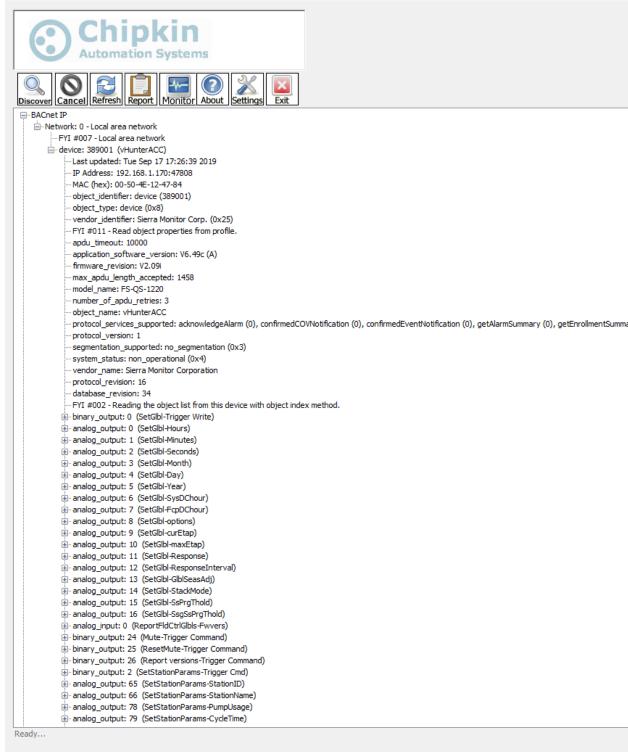


Wait wait wait ... takes a FEW MINUTES

You get this tree. Explore the tree or print a report.

CAS BACnet Explorer

File Advanced Diagnostics Help



Testing Using Modbus

Download MODBUS SCANNER test tool from this page: https://store.chipkin.com/products/tools/modbus-scanner-app

Add a task to scan the IP Address

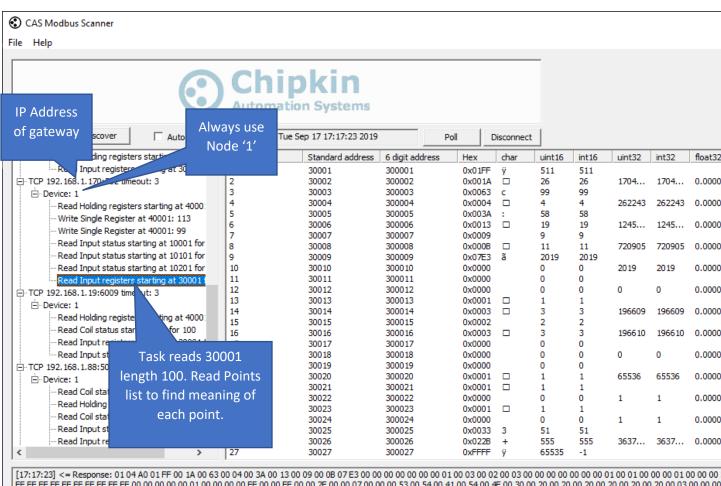
The NODE_ID = 1

Read Holding Registers 1-100

View the data

Use the XLSX points list to see which Modbus Address contains what data

Sample screen from the Modbus Scanner. Here it is reading 30001.... These correspond to Analog Inputs. To know the meaning of 30001,2,3.... You need to revert to the XLSX file. Modbus is dumb and 'meaning' cannot be found without a manual.



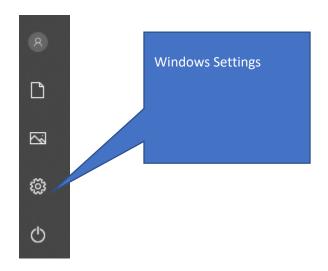
[17:17:22] => Poll: 01 04 00 00 00 50

[17:17:19] <= Response: 01 02 0D 00 02 08 00 00 00 00 00 60 0C 00 00 00

[17:17:18] => Poll: 01 02 00 00 00 64

Windows 10 - Change IP Address for demo

Windows 10 - Change IP Address of laptop





System

Display, sound, notifications, power



Devices

Bluetooth, printers, mouse



Phone

Link your Android



Apps

Uninstall, defaults, optional features



Accounts

Your accounts, email, sync, work, family



Time & Langu

Speech, region, d



Cortana

Cortana language, permissions, notifications



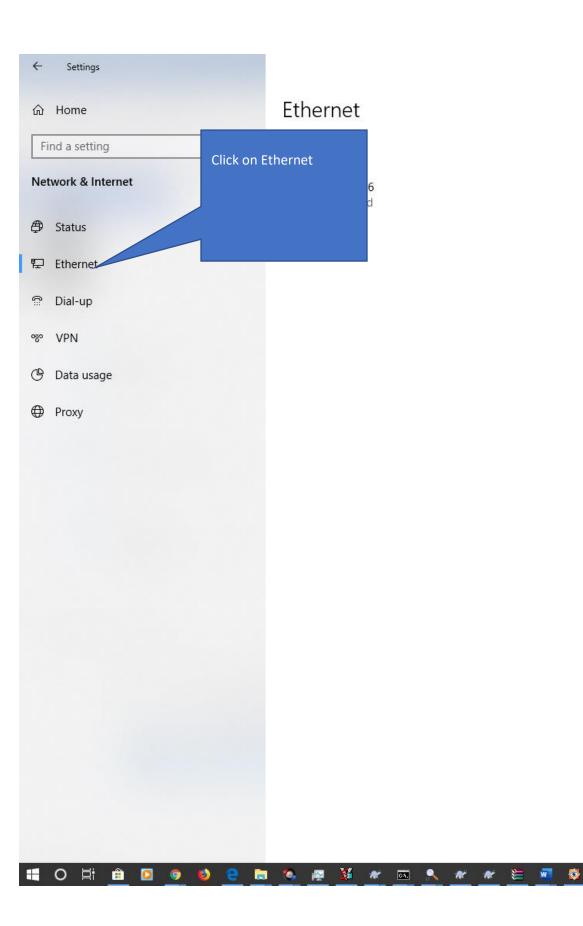
Privacy

Location, camera



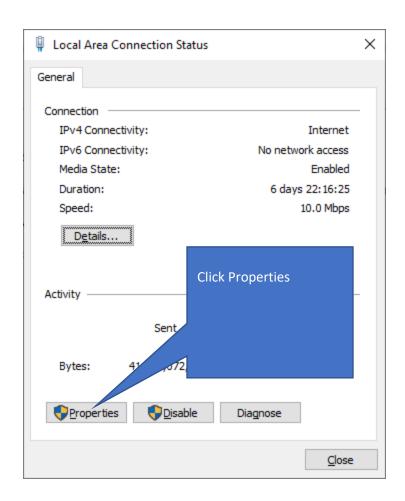
Update & Sec Windows Update

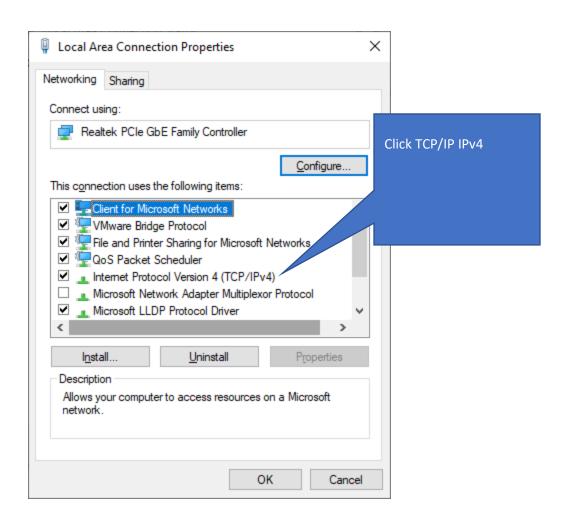
backup





You get a dialog





REVERT by checking this box, clicking ok and closing the various dialogs.

