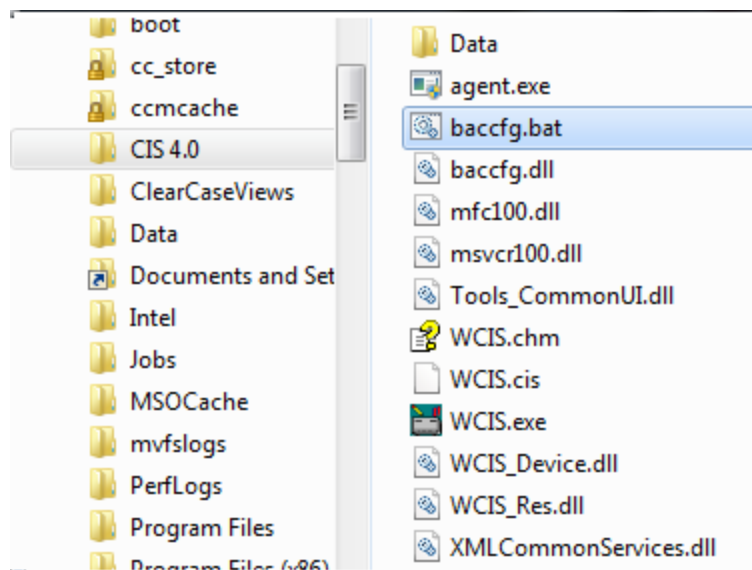


To install and configure WCIS 4.0 on machine that DOES NOT has Insight/CommTool, installed follow section 1 instruction.

To install and configure WCIS 4.0 on machine that HAS Insight/CommTool installed, follow section 2 instruction.

## **1 Install and configure WCIS 4.0 on machine that does not have Insight/CommTool installed**

### **1.1 Unzip the “WCIS 4.0.zip” file to the desire location.**



### **1.2 Run the “baccfg.bat” to get the dialog below**

Core ID	Config Location	Architecture	Restart
---------	-----------------	--------------	---------

OK Cancel Edit... Add... Remove Apply

**1.3 Select “Add” and enter the following in the dialog window.**

Core

Architecture

Config Storage Location

☒ Registry

☐ Text File

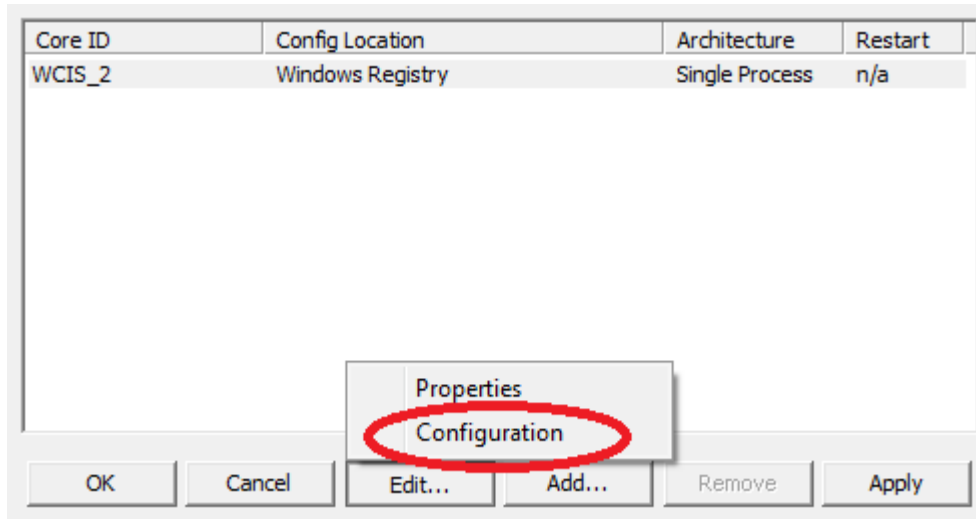
Select File  ...

OK Cancel

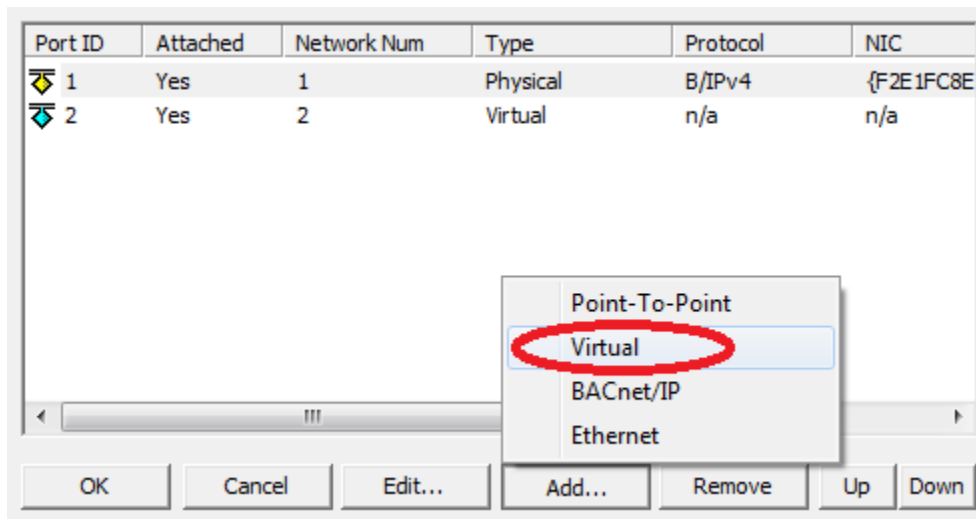
Enter the Core name as “WCIS\_2” this name is required as specified and is case sensitive.

Check the radio button for “Registry”

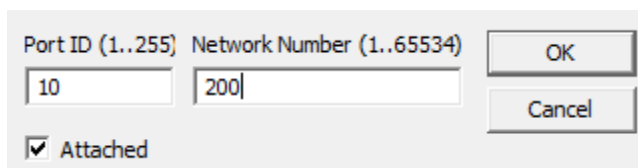
**1.4 Select “OK”**



**1.5 Select the WCIS\_2 row and then select “Edit...”, “Configuration” to get the dialog window below.**



**1.6 Select “Add...” and “Virtual”.**

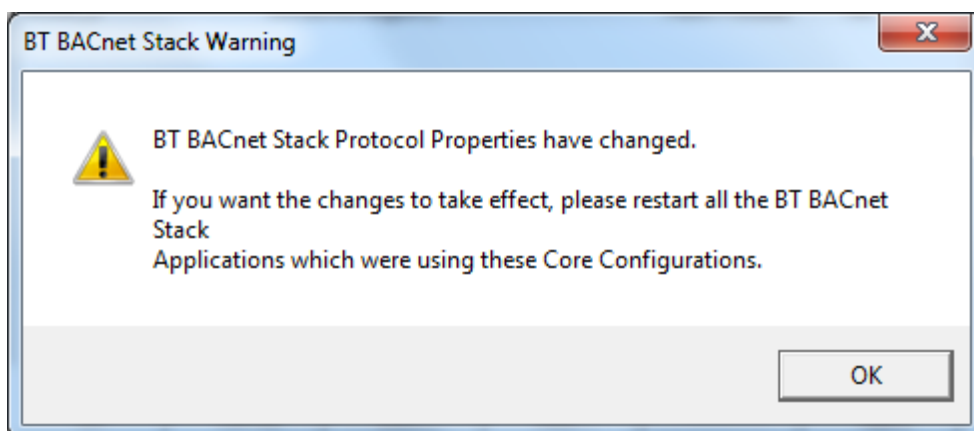


- 1.7 The Port ID must be 10 and Attached must be checked. The Network Number can be any number that is not currently used on the BACnet network. Select “OK”.

Port ID	Attached	Network Num	Type	Protocol	NIC
1	Yes	1	Physical	B/IPv4	{F2E1FC8E
2	Yes	2	Virtual	n/a	n/a
10	Yes	200	Virtual	n/a	n/a

OK Cancel Edit... Add... Remove Up Down

- 1.8 Select “OK” twice to closed the dialogs window.

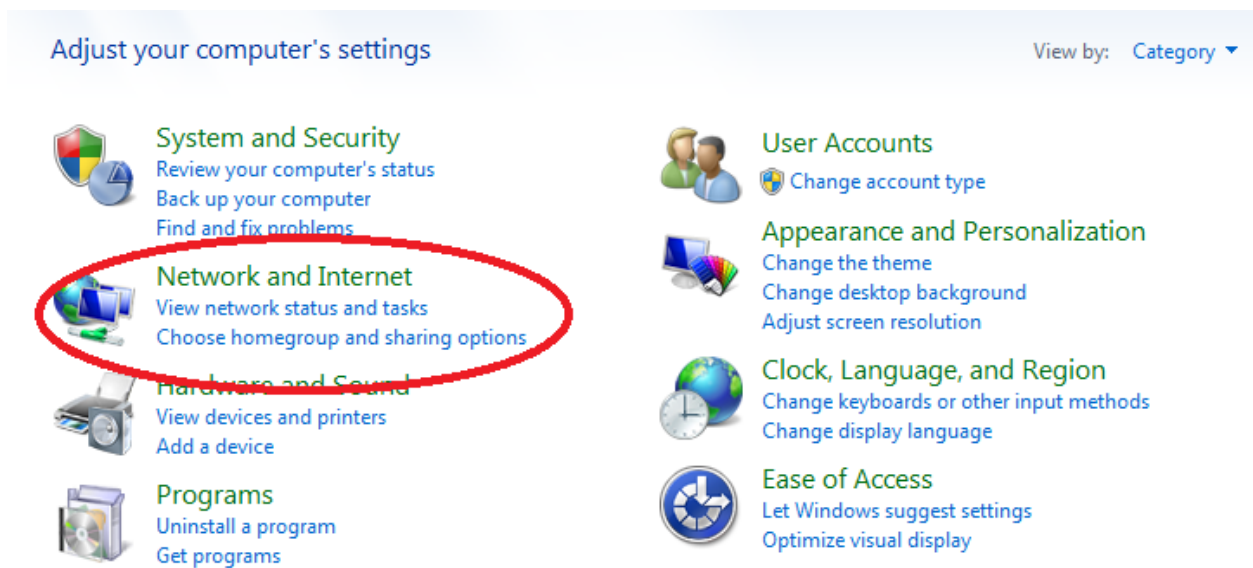


- 1.9 Select “OK” on the warning dialog window. Ignore the warning as the stack does not need to restart.

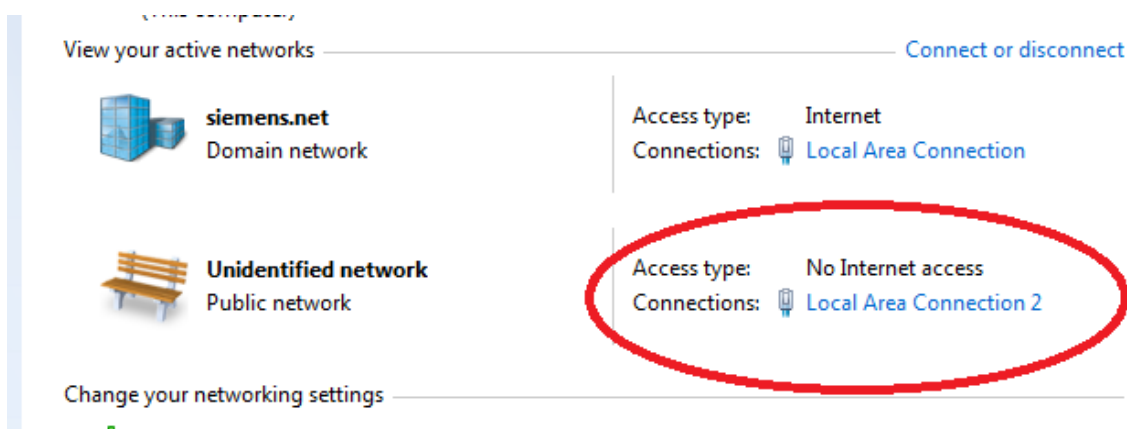
- 1.10 WCIS 4.0 is setup and ready. Run WCIS.exe

## 2 Install and configure WCIS 4.0 on machine that have Insight/CommTool installed

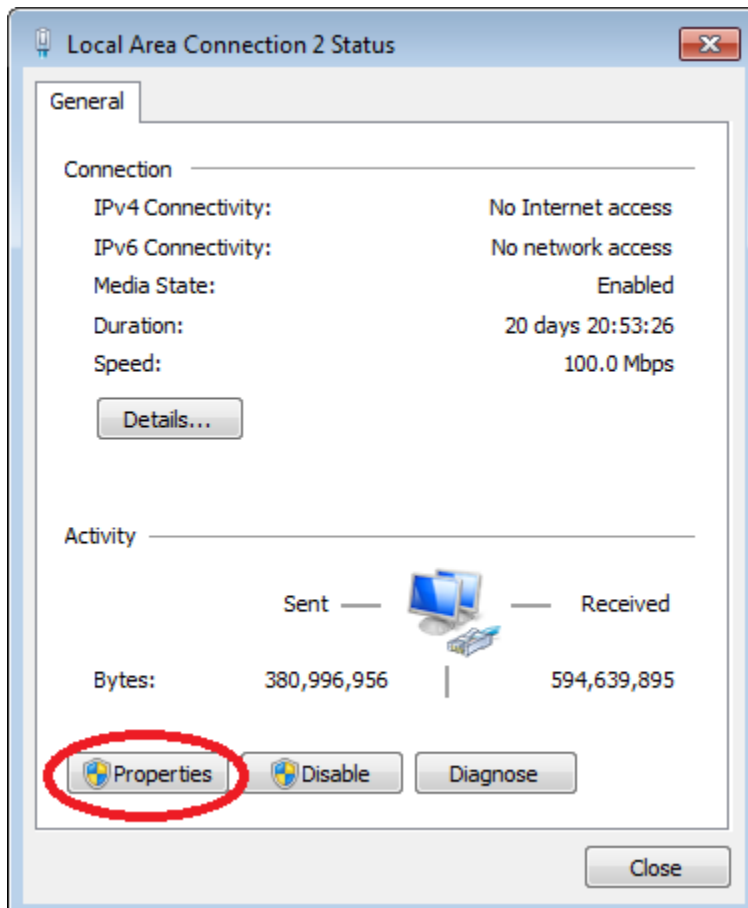
### 2.1 Open the Control Panel from the Window Start Menu (Windows 7 OS is used as screen-capture below)



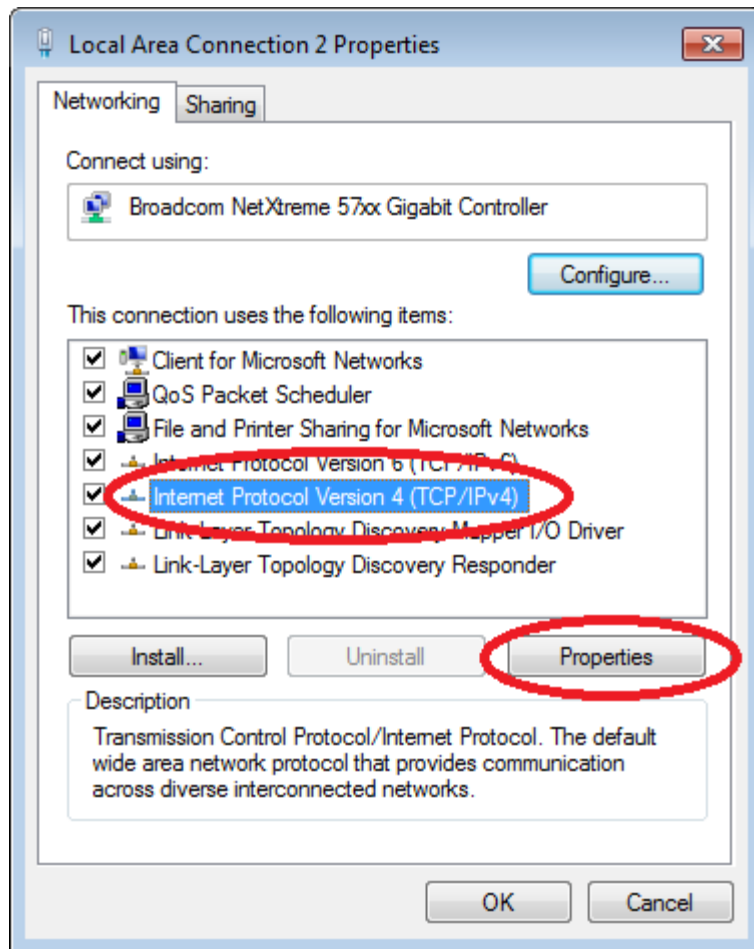
### 2.2 Select "View network status task"



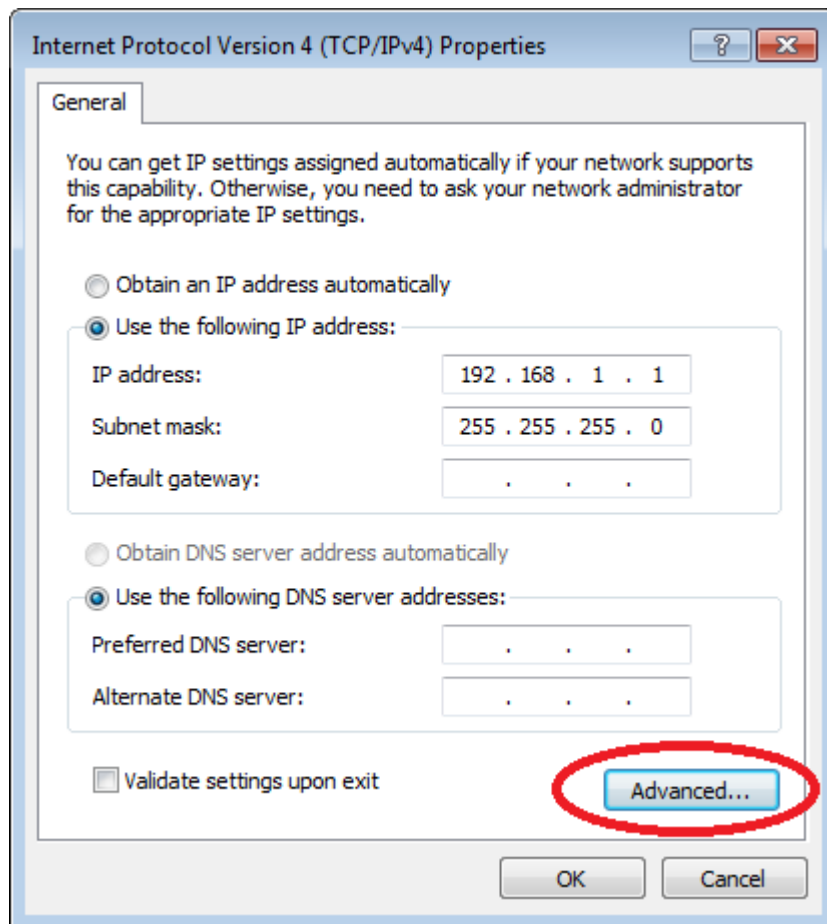
**2.3 Select the network that is connected to the desire BACnet network. The network in the example above is a private network.**



**2.4 Select Properties**

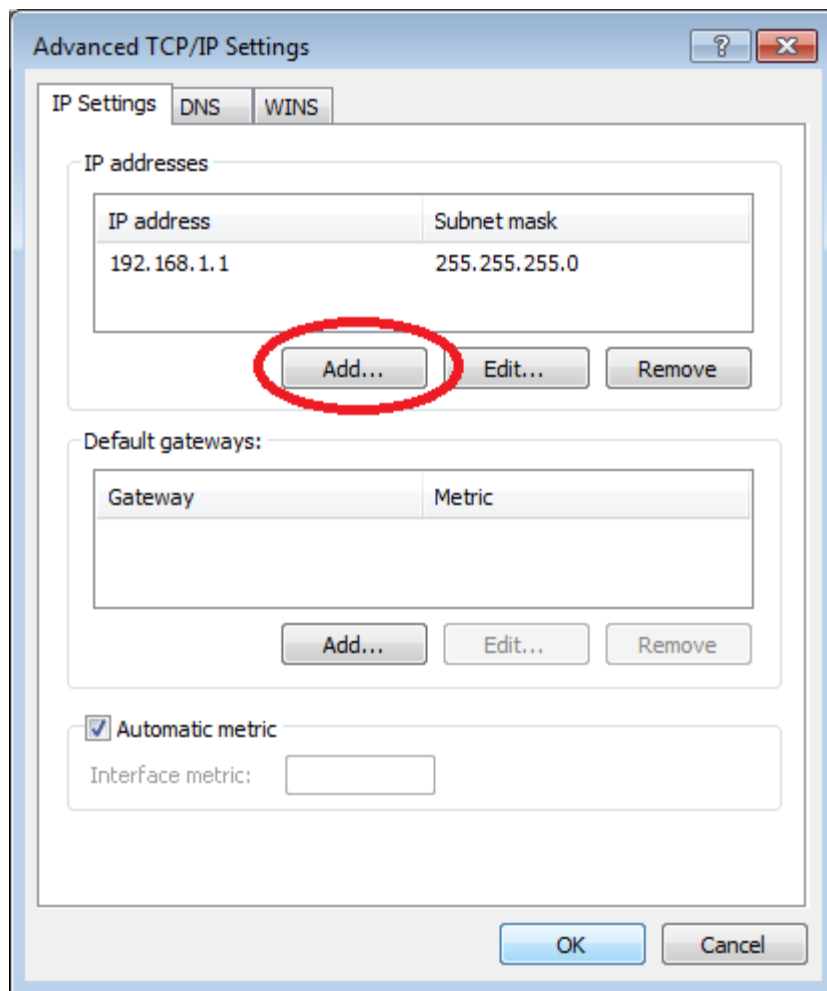


## 2.5 Select the “Internet Protocol Version...” and then click Properties

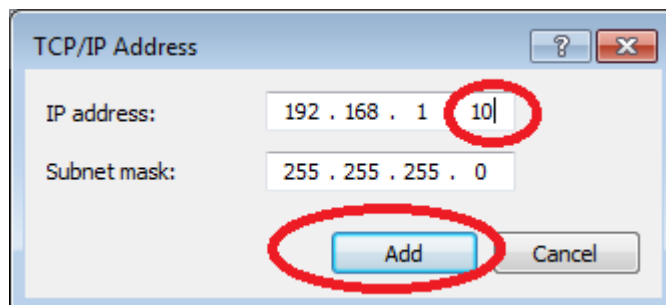


**2.6 Select Advance.** Note that this NIC card has the single IP address that is used by Insight/CommTool via the BACStac Services.

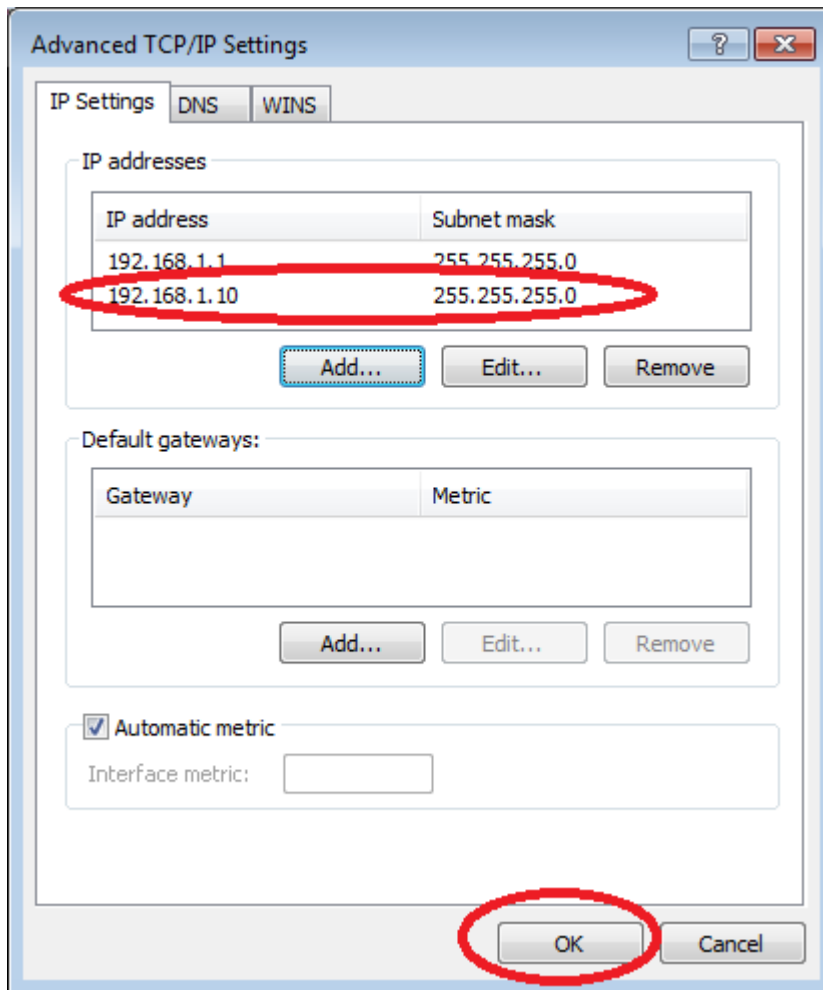




## 2.7 Select Add.



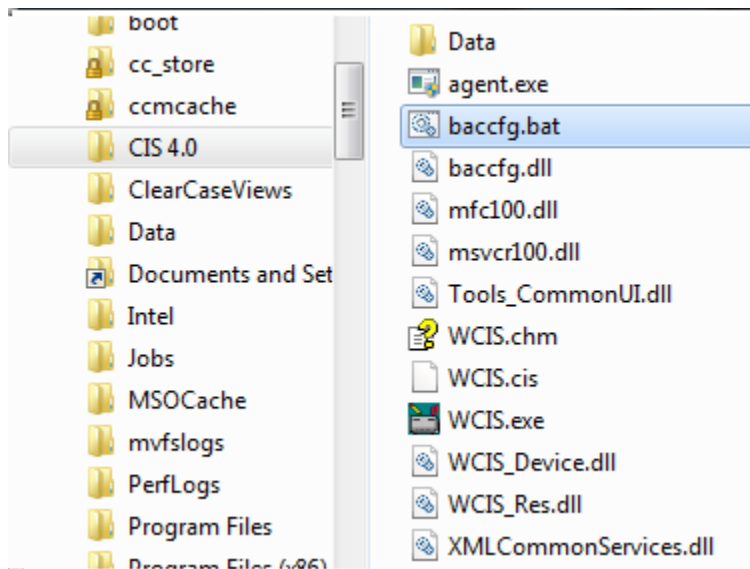
**2.8 Enter the IP address similar to the one defined except with a different address. Click Add.**



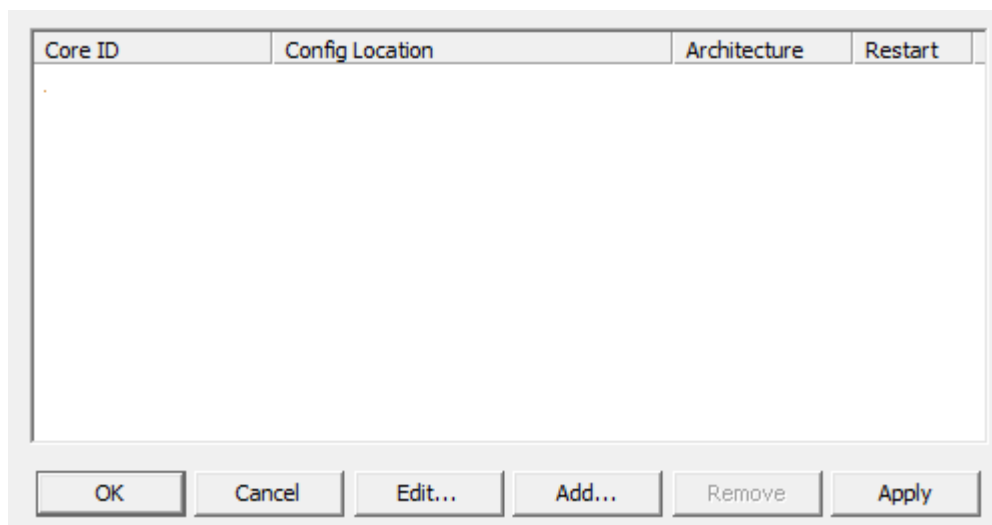
**2.9 There should be 2 IP Addresses defined for this NIC card. The second IP that was just added will be used by WCIS.**

**2.10 Select OK and Close to close all windows.**

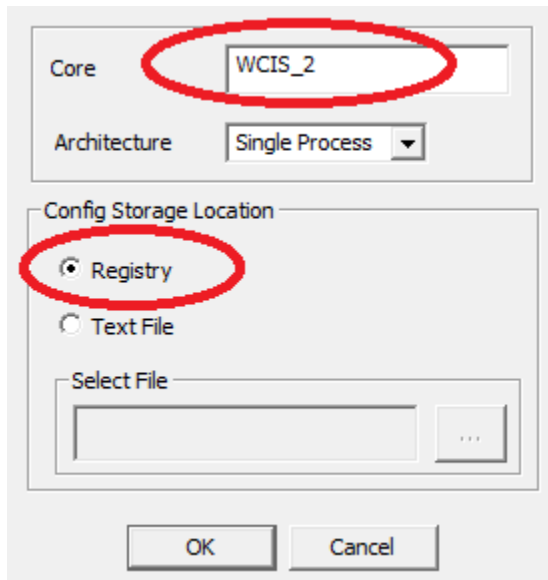
**2.11 Unzip the "WCIS 4.0.zip" file to the desire location.**



**2.12 Run the “baccfg.bat” to get the dialog below**



**2.13 Select “Add” and enter the following in the dialog window.**

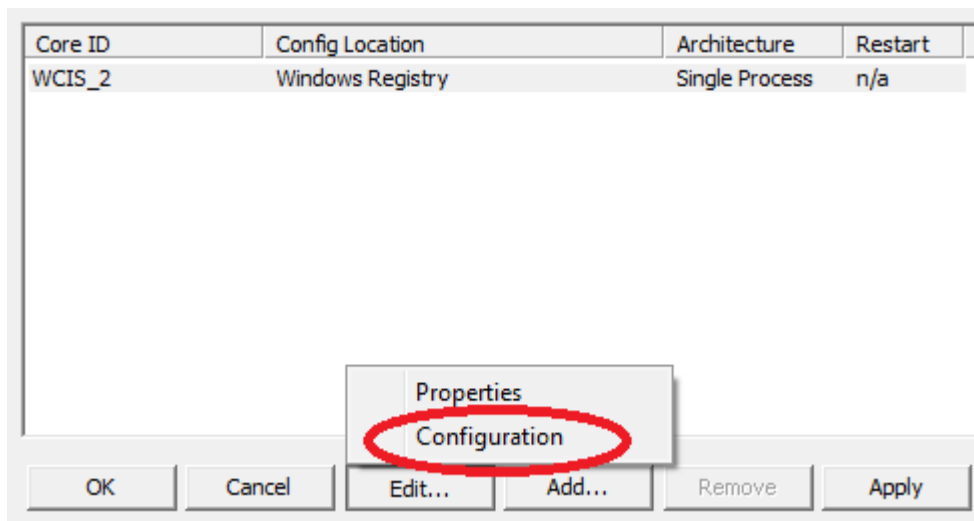


The image shows a configuration dialog box. At the top, there is a 'Core' label followed by a text box containing 'WCIS\_2'. Below this is an 'Architecture' label followed by a dropdown menu showing 'Single Process'. Underneath is a 'Config Storage Location' section with two radio buttons: 'Registry' (which is selected and circled in red) and 'Text File'. Below the radio buttons is a 'Select File' section with a text box and a button with three dots. At the bottom are 'OK' and 'Cancel' buttons.

Enter the Core name as “WCIS\_2” this name is required as specified and is case sensitive.

Check the radio button for “Registry”

## 2.14 Select “OK”



The image shows a table with four columns: 'Core ID', 'Config Location', 'Architecture', and 'Restart'. The first row contains the values 'WCIS\_2', 'Windows Registry', 'Single Process', and 'n/a'. Below the table, there is a row of buttons: 'OK', 'Cancel', 'Edit...', 'Add...', 'Remove', and 'Apply'. A context menu is open over the 'Edit...' button, showing two options: 'Properties' and 'Configuration'. The 'Configuration' option is circled in red.

Core ID	Config Location	Architecture	Restart
WCIS_2	Windows Registry	Single Process	n/a

2.15 Select the WCIS\_2 row and then select “Edit...”, “Configuration” to get the dialog window below.

Port ID	Attached	Network Num	Type	Protocol	NIC
1	Yes	1	Physical	B/IPv4	{F2E1FC8E
2	Yes	2	Virtual	n/a	n/a

**2.16 Select the physical network port id 1 and select “Edit...”.**

VMAC Address (8 - 22bit): 0x bac0

VMAC Table Size: 512

VMAC Timeout (60 - 30,00,000 sec): 300

Multicast Group Address (8 - 16bit): 0x bac0

Scope (2 or 8): 8

Address

Adapte: Broadcom NetXtreme 57xx Gigabit Controller

IP Address: 192.168.1.10

UDP Port: 47808

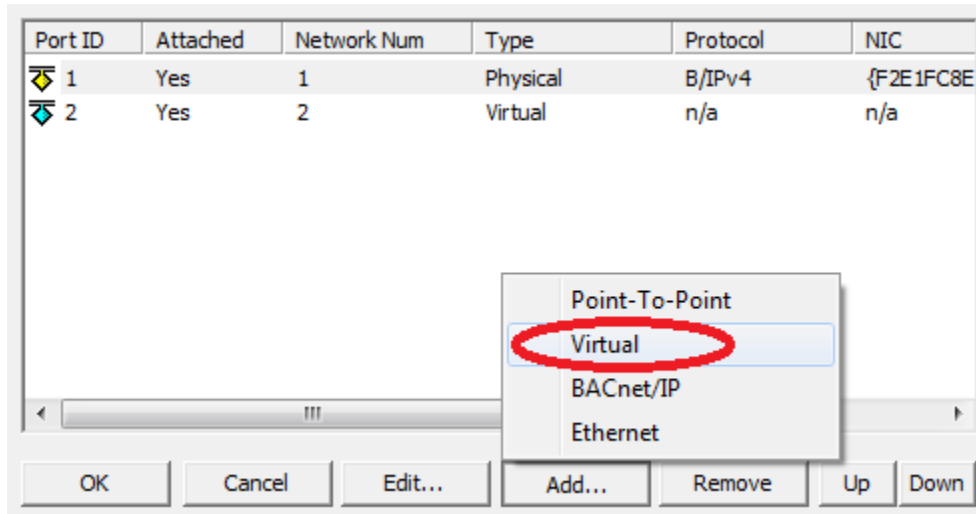
☒ Attached

**2.17 Select the “Port”.**

**2.18 Select the NIC card that the IP Address was added to in step 2.2**

**2.19 Select the IP Address that was added. This address should be in the “drop list”.**

**2.20 Click OK to save the physical BACnet IP settings.**

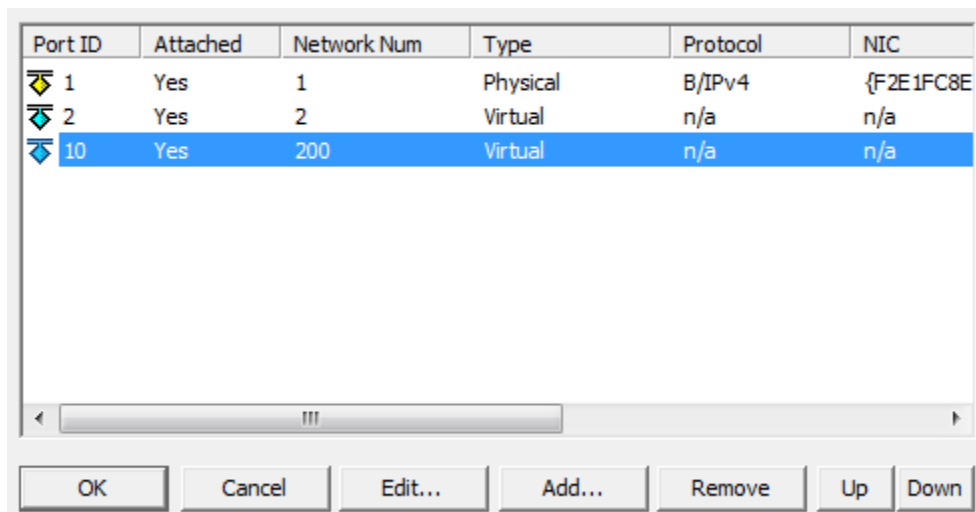


## 2.21 Select “Add...” and “Virtual”.

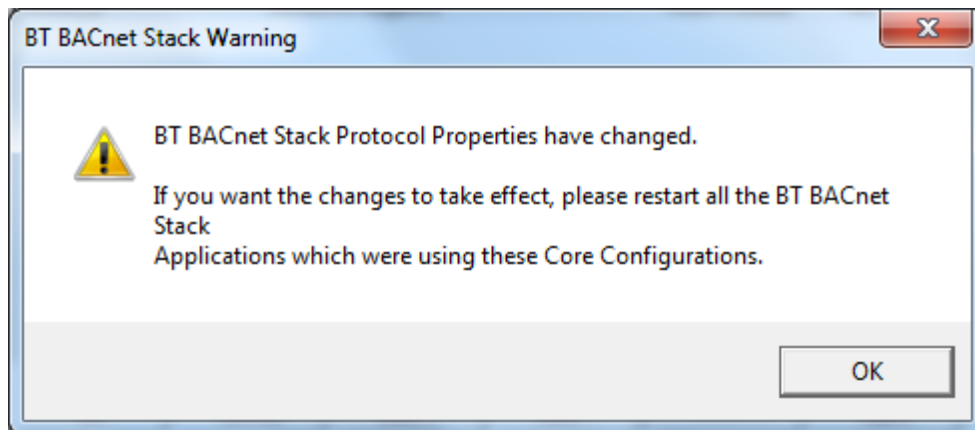
The 'Add...' dialog box is shown with the following fields and controls:

- Port ID (1..255): 10
- Network Number (1..65534): 200
- ☒ Attached
- Buttons: OK, Cancel

## 2.22 The Port ID must be 10 and Attached must be checked. The Network Number can be any number that is not currently used on the BACnet network. Select “OK”.



**2.23 Select “OK” twice to closed the dialogs window.**



**2.24 Select “OK” on the warning dialog window. Ignore the warning as the stack does not need to restart.**

**2.25 WCIS 4.0 is setup and ready. Run WCIS.exe**