

MIMS SERVER 2.0

Windows 10

Automated Data Gathering Tool

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Preparing Tester PC for MIMS Server

Verify Windows logon

* The Windows logon account must have both a username and password.

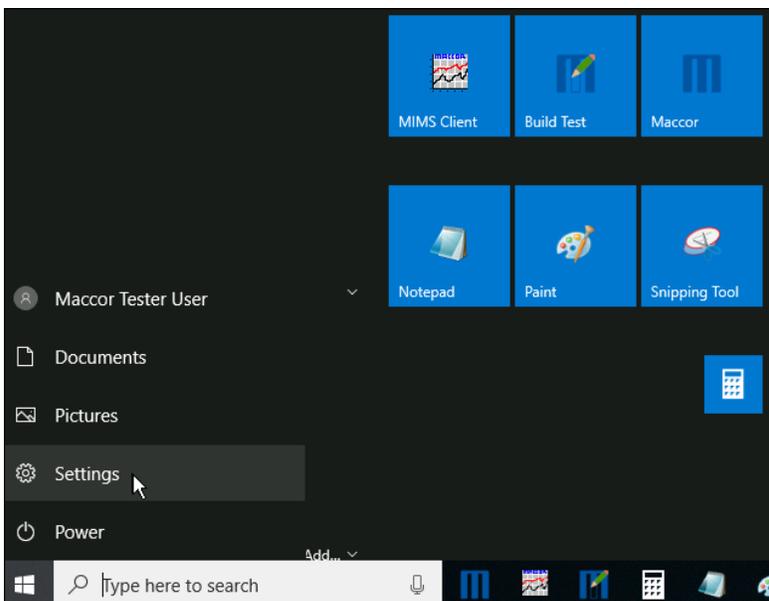
Configuring Onboard NIC for MIMS Network (Tester PC)

* The MIMS Network should ideally be an isolated LAN. The onboard NIC may be optionally set as “Public” Network, not discoverable, with a static IP assigned (i.e., 192.168.123.101). The static IP or network share name of each “client” Tester PC in this scenario must be known in order to connect from the MIMS Server if the desire is to have the PC as “non-Discoverable”. Alternatively, the computer name\Tester-name may also be used (see MIMS Server section).

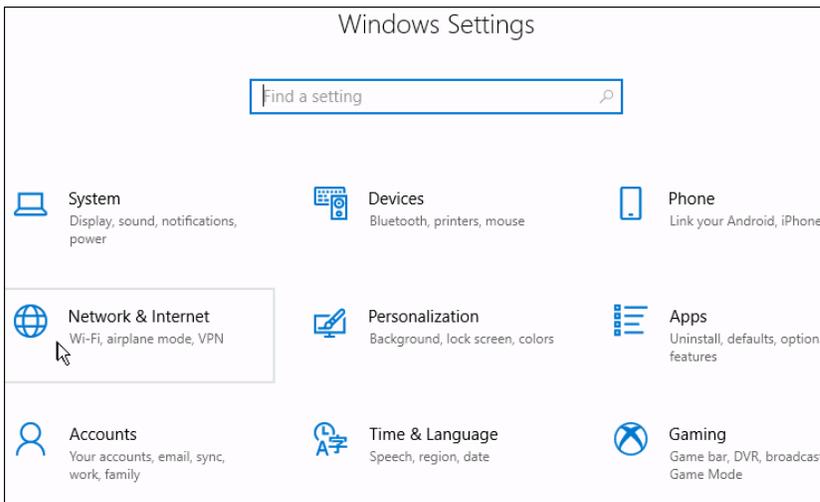
The directions below explain setting the NIC to “Private” and making the PC discoverable.

Set onboard NIC for Private Network

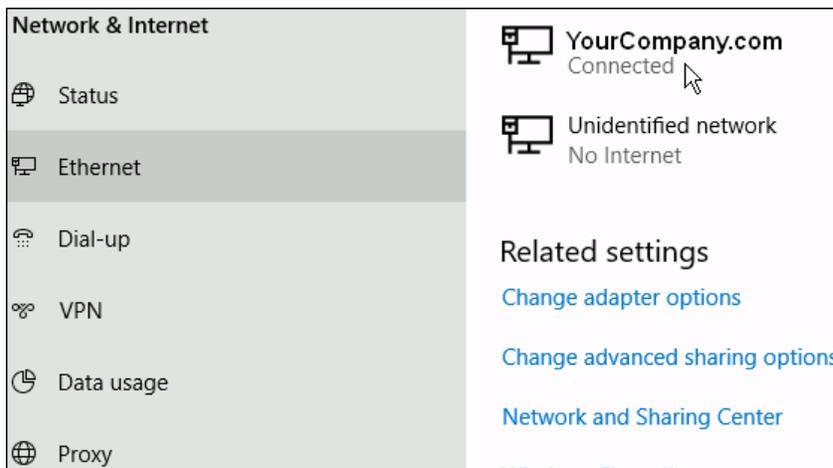
1. Click Win10 Start Button>Settings



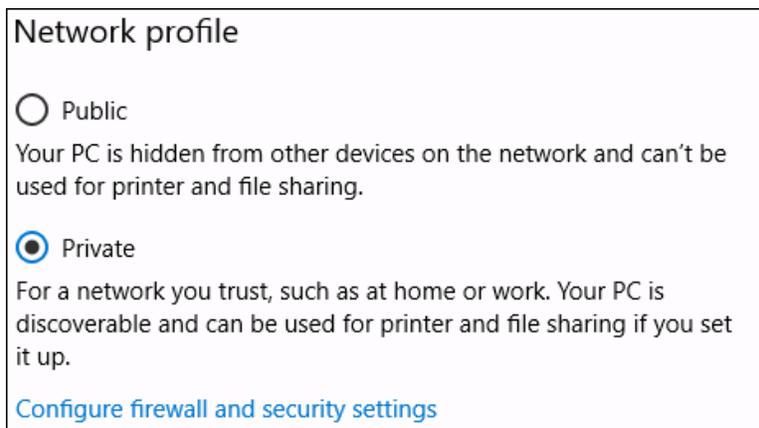
2. Select Network & Internet



3. Click on company network connection.



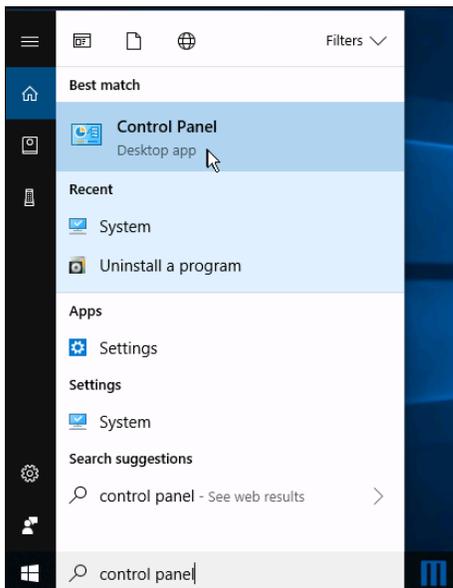
4. Set to Private, then X out of Settings.



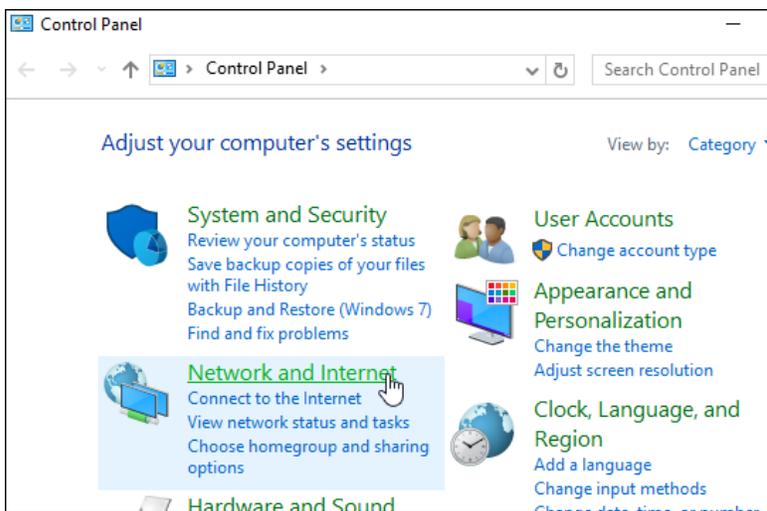
** This is strictly user preference. If set to Public, PC will not be discoverable and the shared network name or IP will have to be used when connecting from MIMS – see MIMS Server section.*

Rename onboard NIC to “MIMS Server Connection”

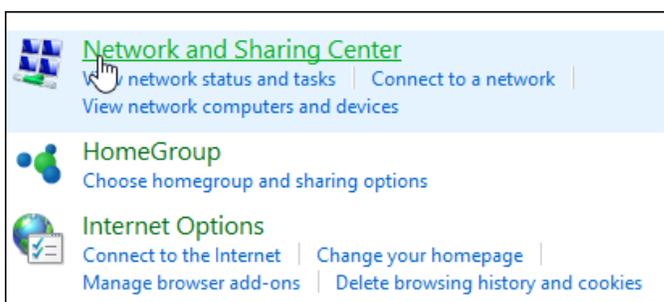
1. Type “control panel” in windows search box, select Control Panel.



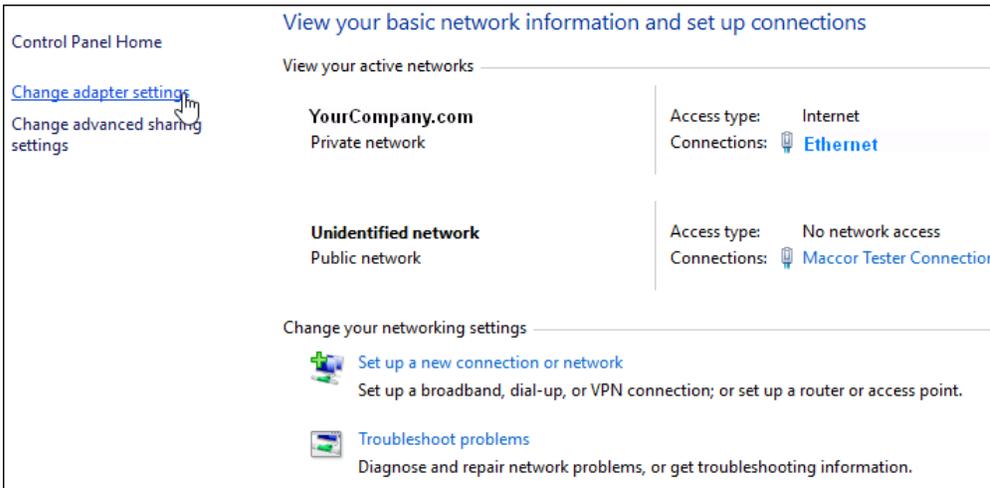
2. Select [Network and Internet]



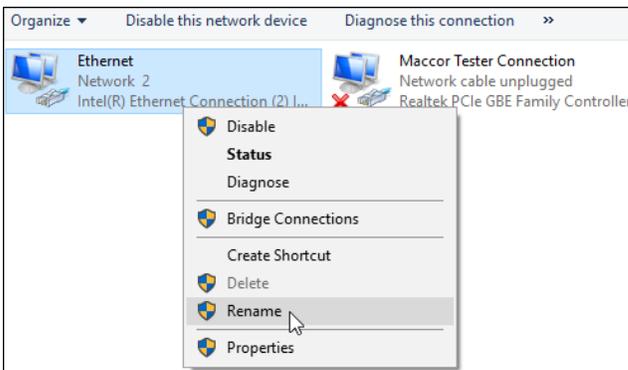
3. Select [Network and Sharing Center]



4. Click [Change adapter settings]



5. Right-click onboard NIC, select [Rename]

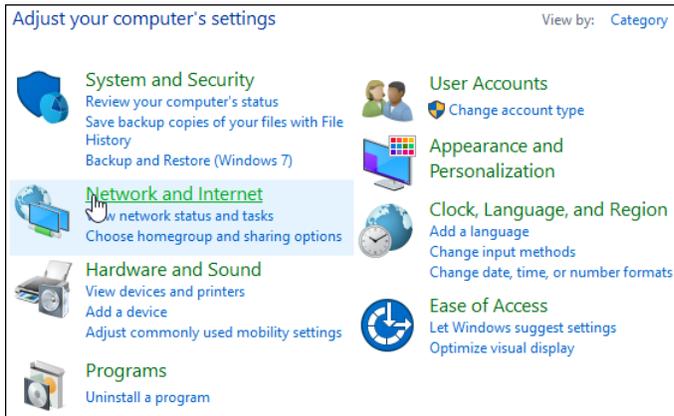


6. Rename as MIMS Network.

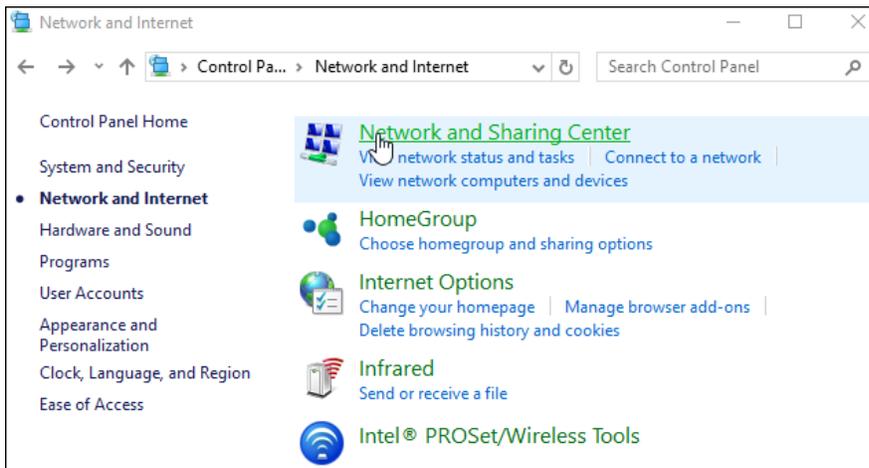


Setting NIC Properties

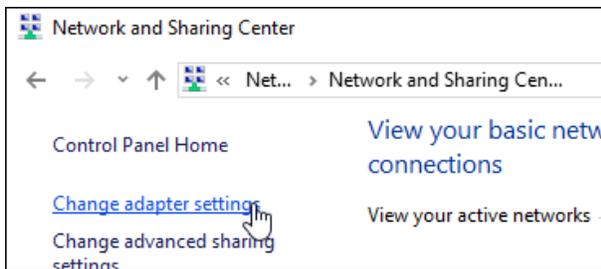
1. From Control Panel, select [Network and Internet]



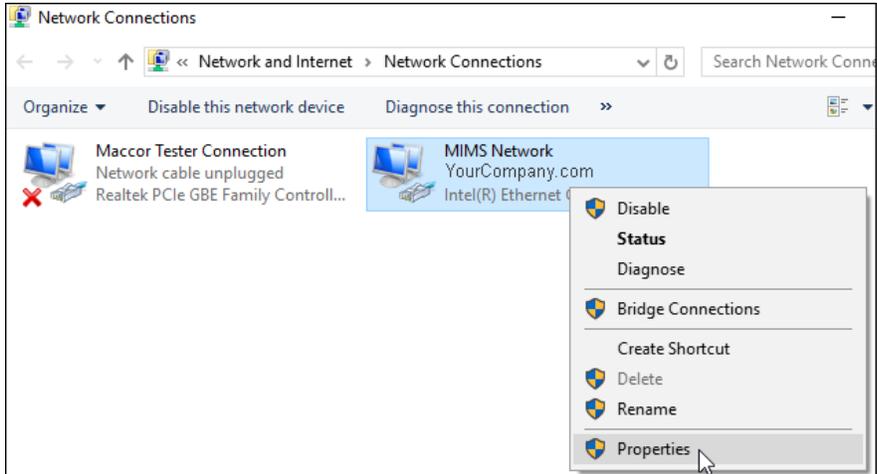
2. Click [Network and Sharing Center]



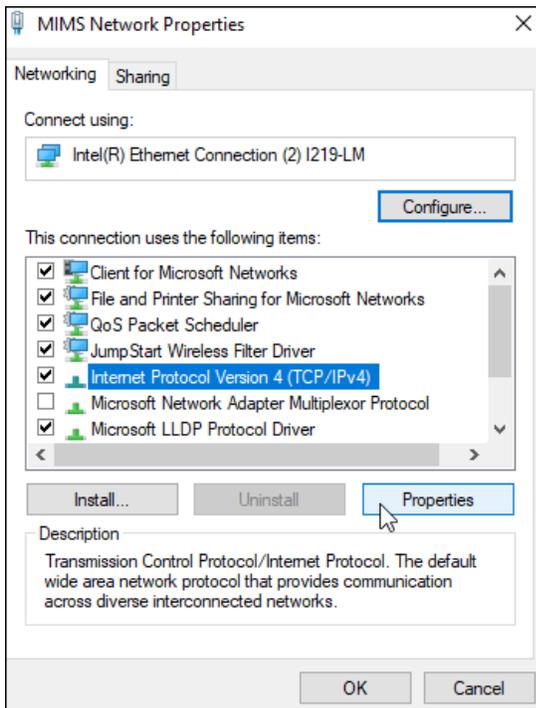
3. Click [Change adapter settings]



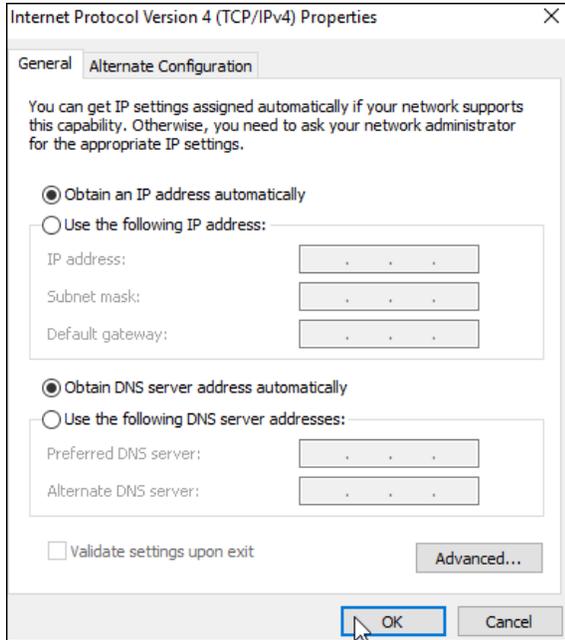
4. With onboard NIC in focus, right-click, select [Properties].



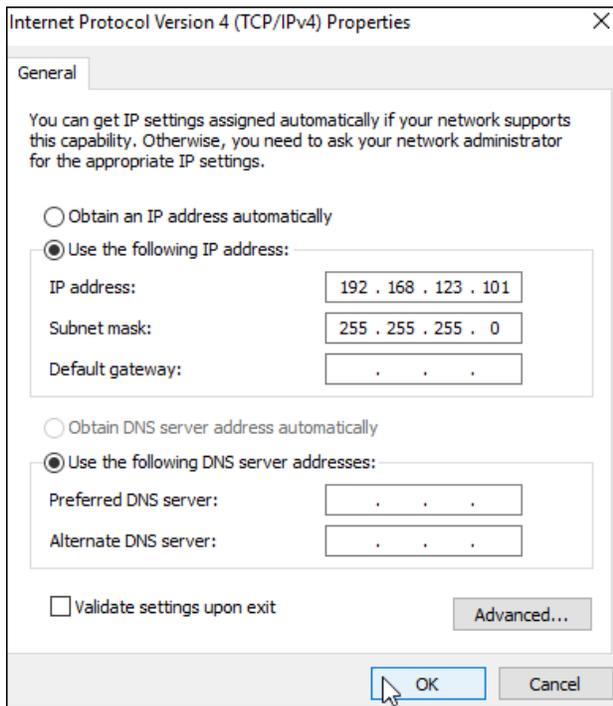
5. Bring IPv4 into focus, select [Properties]



6a. If connecting MIMS to Tester via company network or DHCP server, set IP for automatic.



6b. If an isolated MIMS Network LAN is being used, set a static IP address.

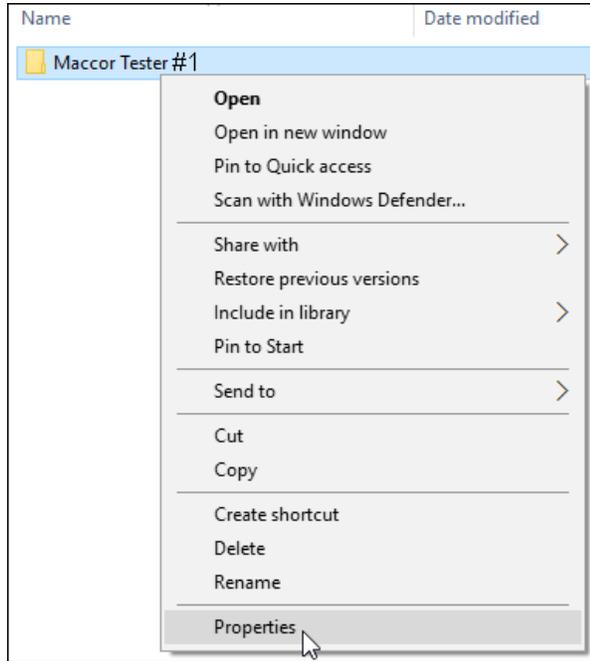


* With an isolated MIMS Network, the NIC can be set to “Public” non-discoverable.

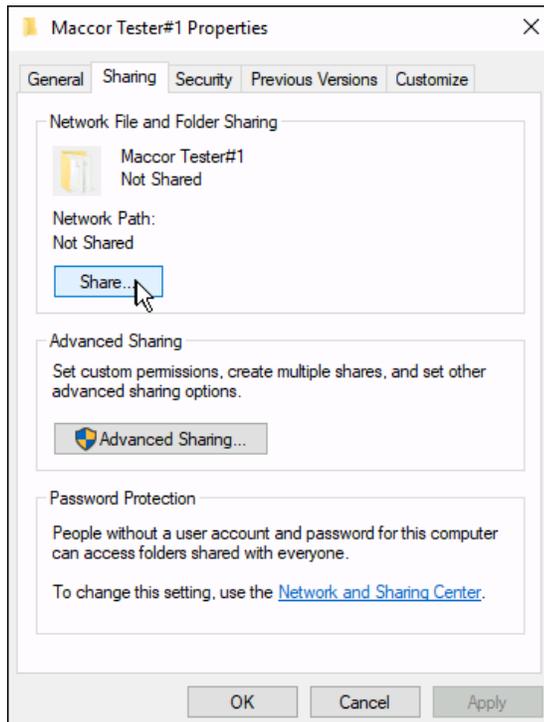
** File and Printer sharing must be enabled and either the specific IP address of each tester must be noted – or the shared network name.

Share Tester-Name folder over the network

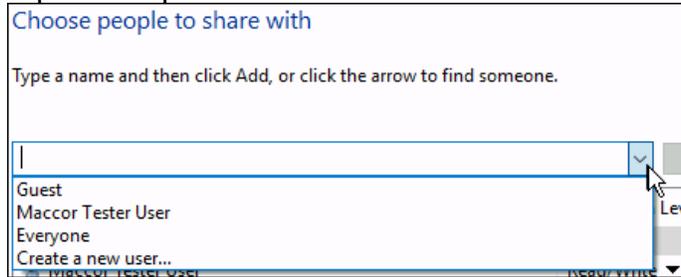
1. Right-click on “Tester-Name” folder, select [Properties].
 * *Tester-Name folder is found within C:\Maccor\System*



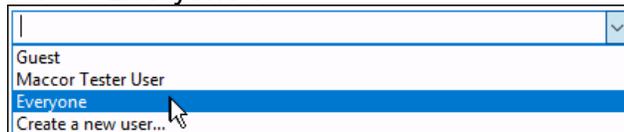
2. From [Sharing] tab, select [Share].



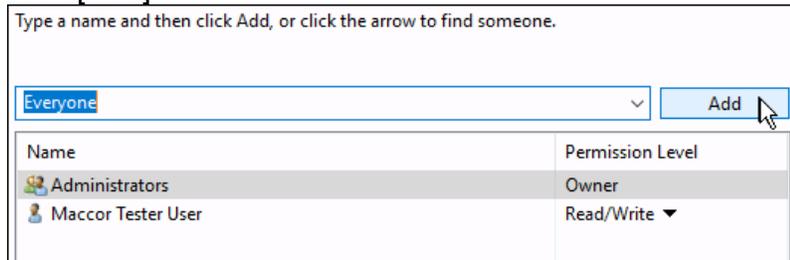
3. Expand dropdown menu.



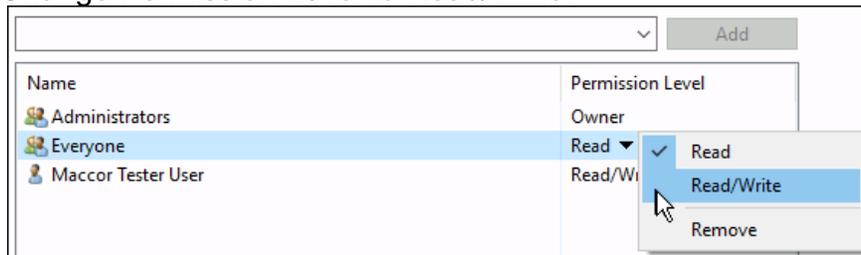
4. Select "Everyone".



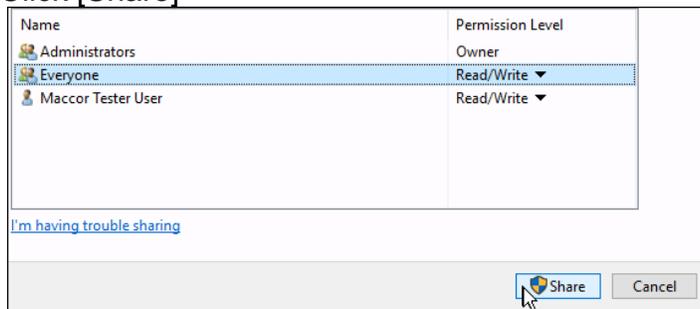
5. Click [Add]



6. Change Permission Level to Read/Write.



7. Click [Share]

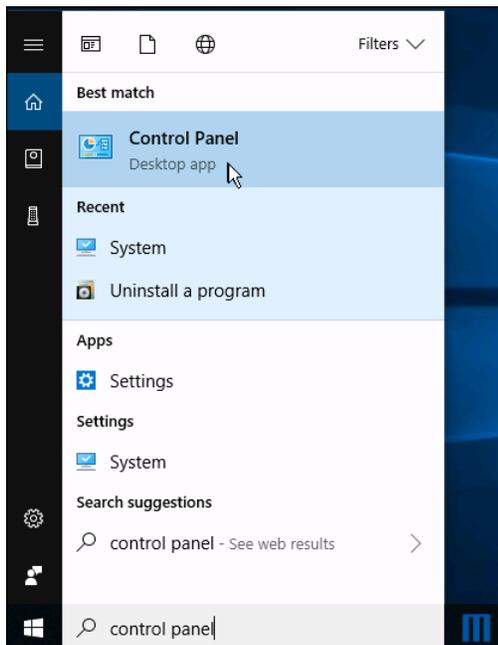


8. Note the network share name (see MIMS Server – Adding Maccor systems)

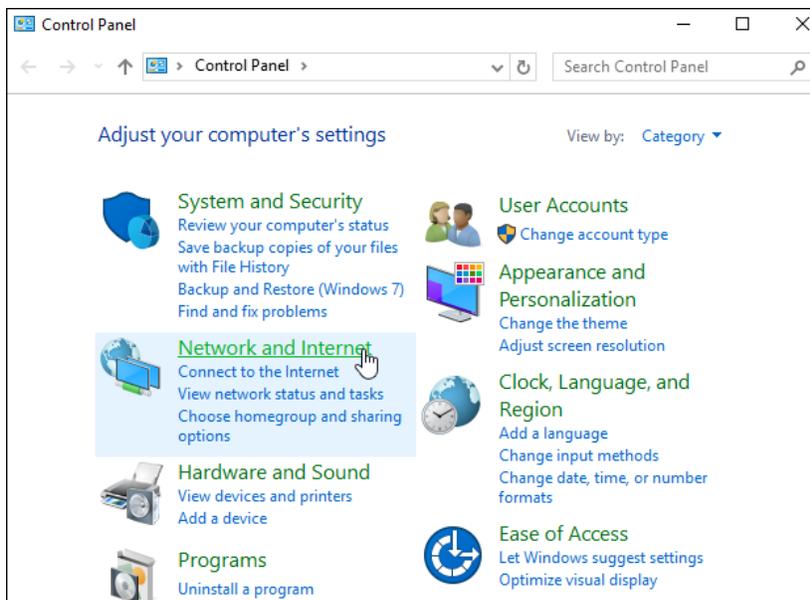


Modify Advanced Network Sharing

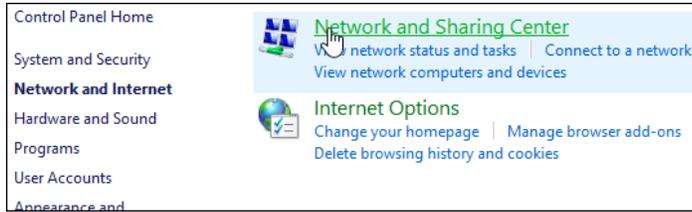
1) At search box, type control panel, then click to open (as shown).



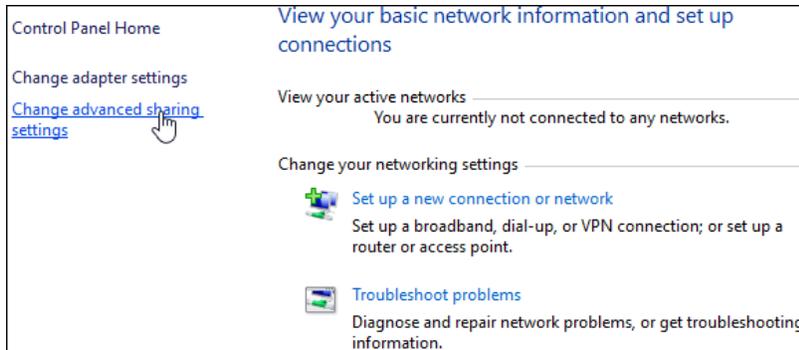
2) Select [Network and Internet].



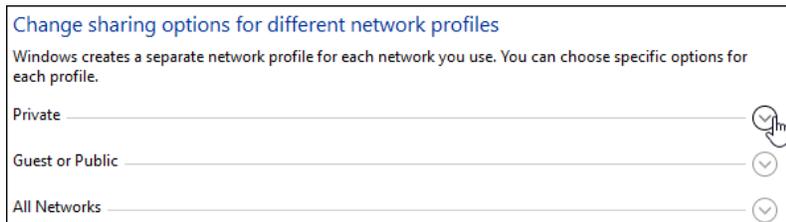
3) Select Network and Sharing Center



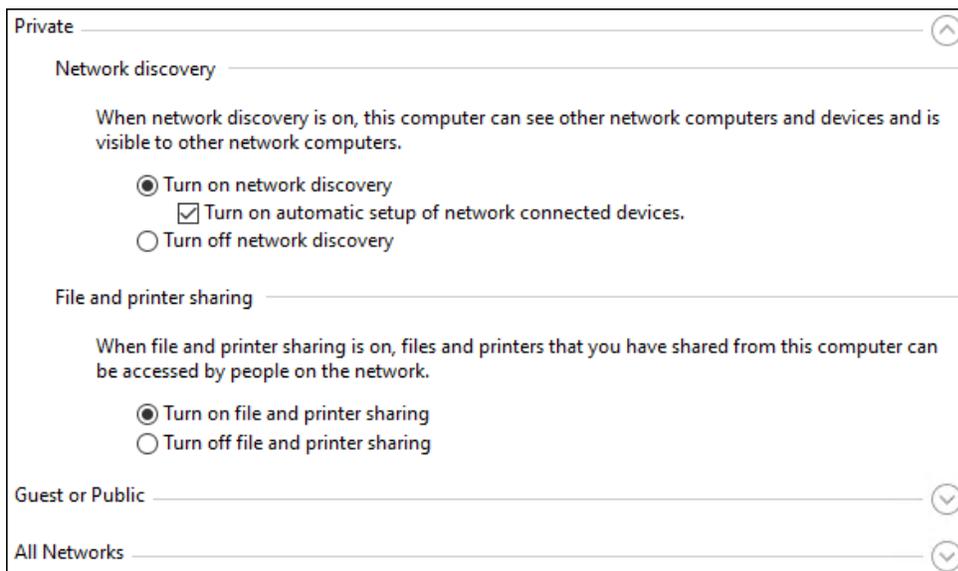
4) Select "Change advanced sharing settings"



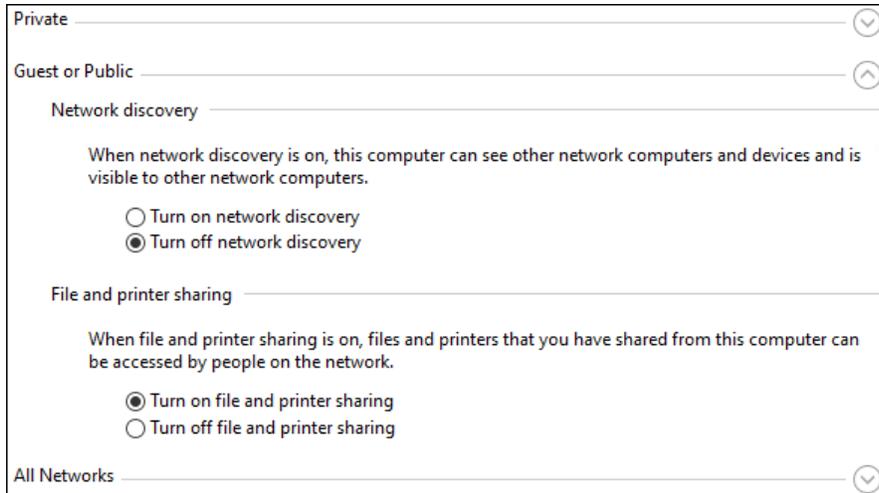
5) Expand Private.



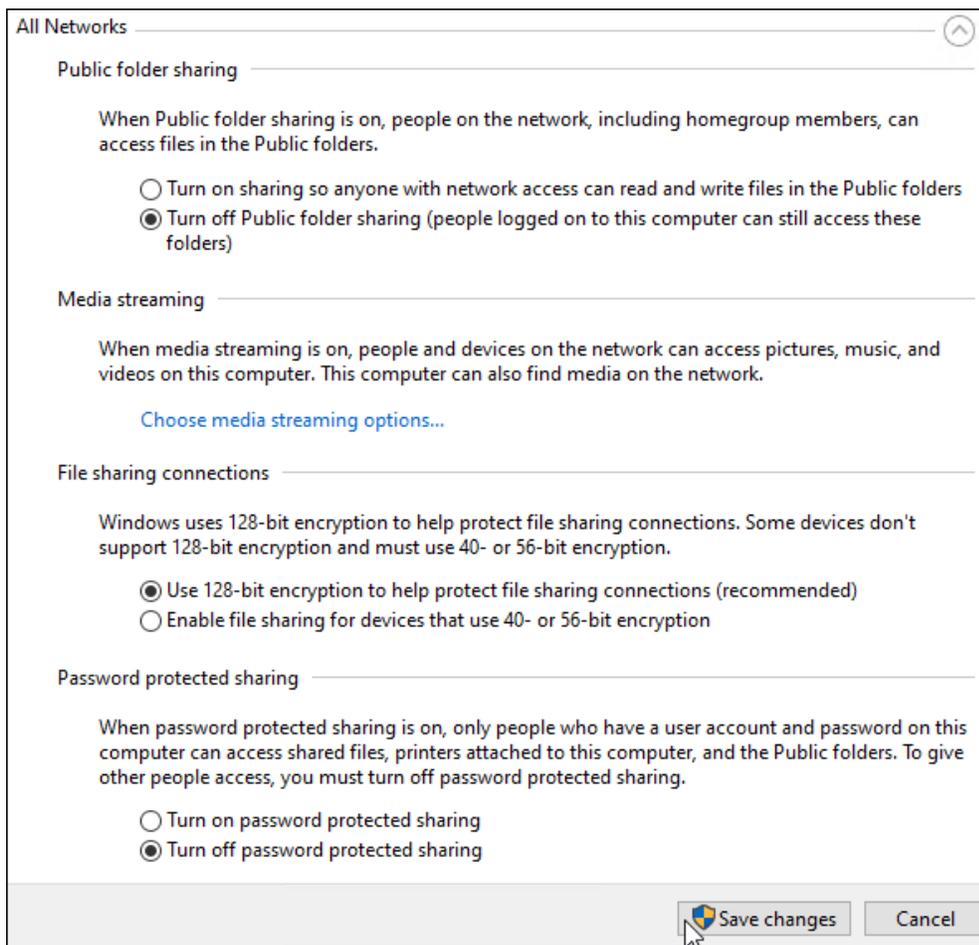
6) Set as shown.



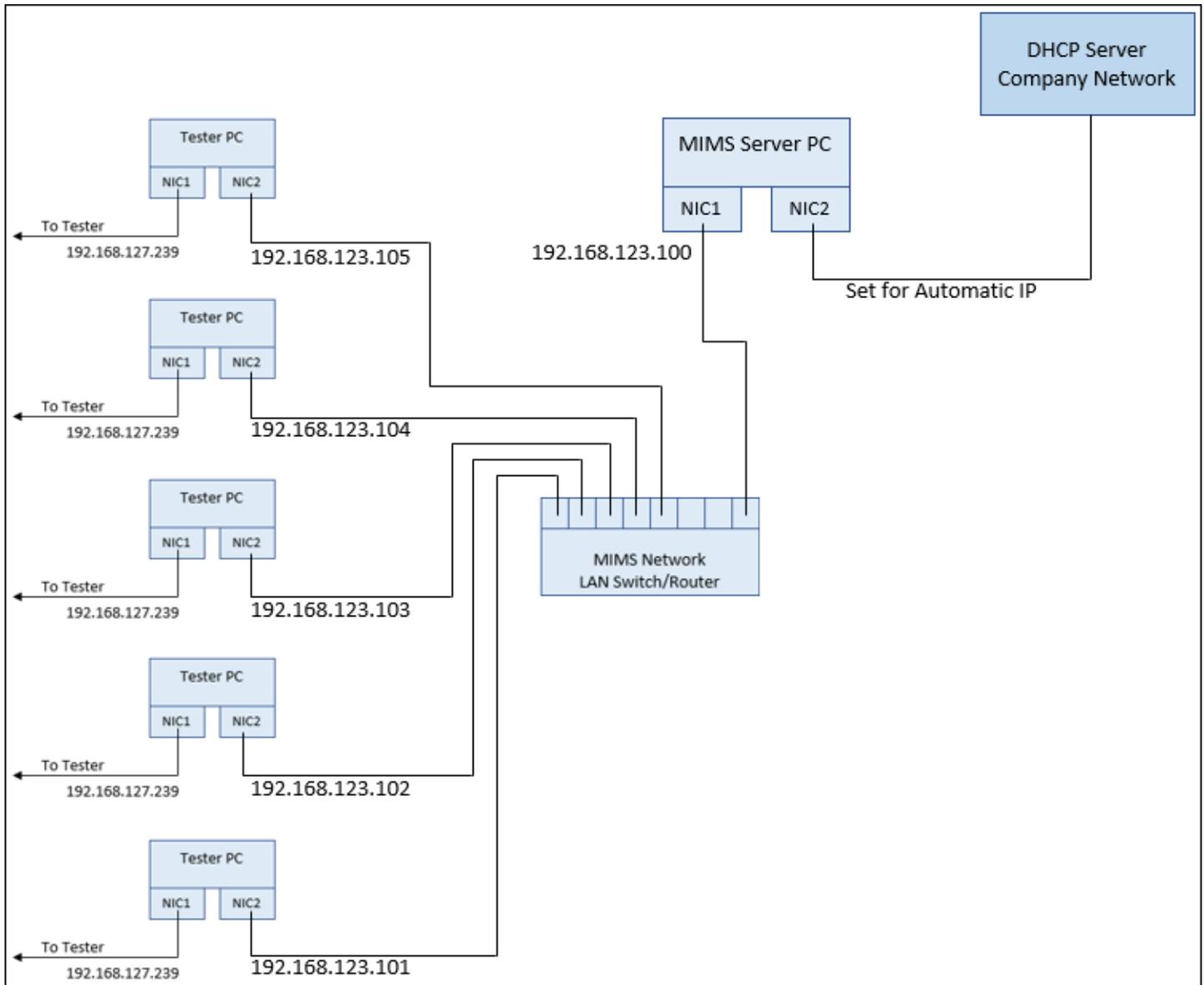
7) Expand Guest or Public, set as shown.



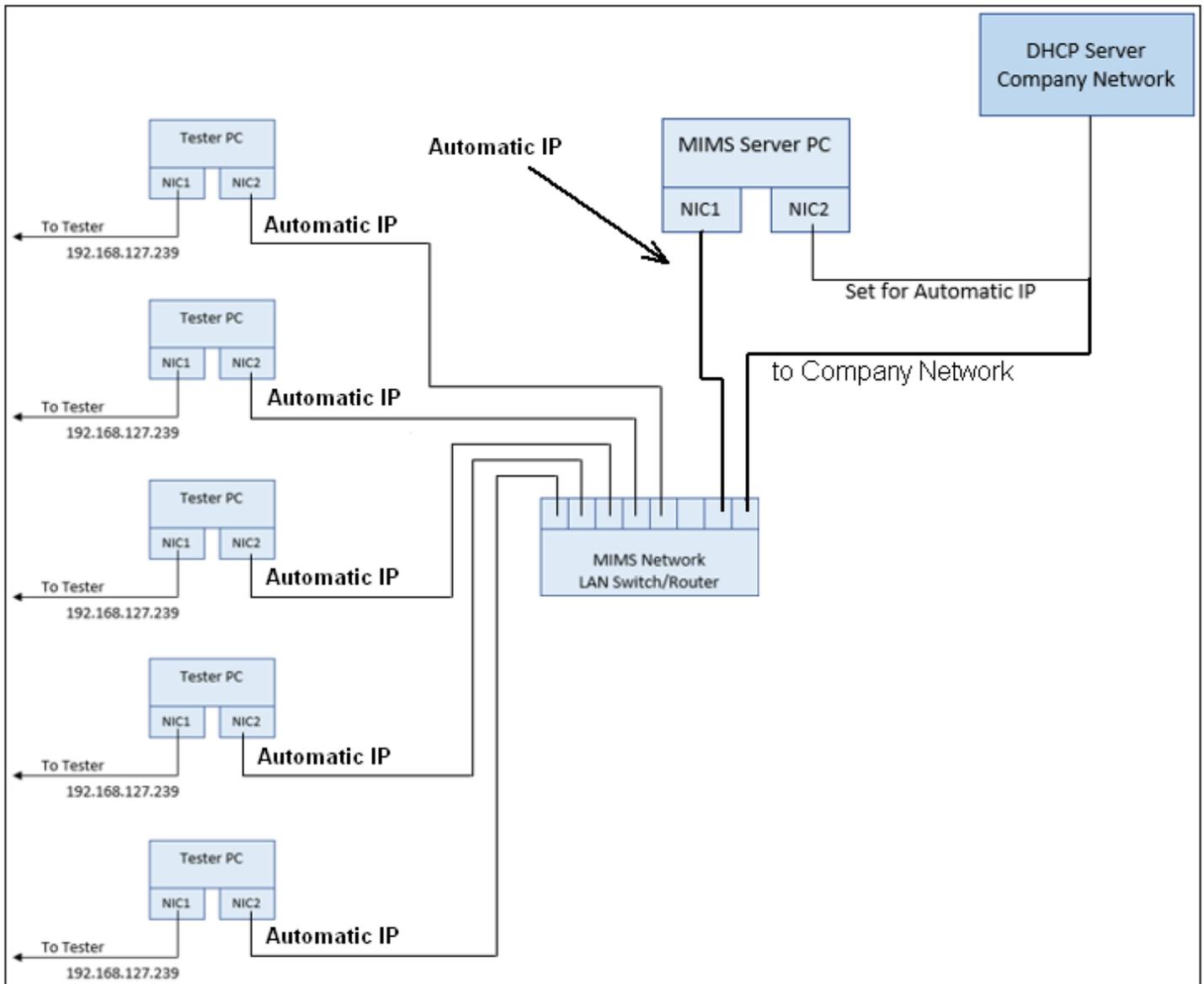
8) Expand "All Networks", set as shown.



MIMS Server Network - Isolated "MIMS" LAN Configuration (Scenario A)



MIMS Server Network – via Company Network (Scenario B)



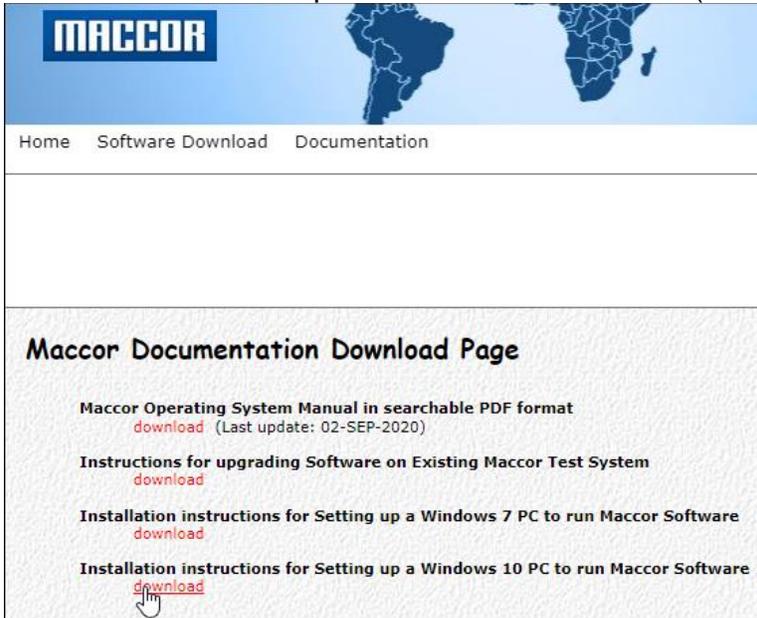
Preparing MIMS Server PC

Preparing Windows

Managing Windows Updates

* This section references the existing Windows 10/MacTest32 setup document.

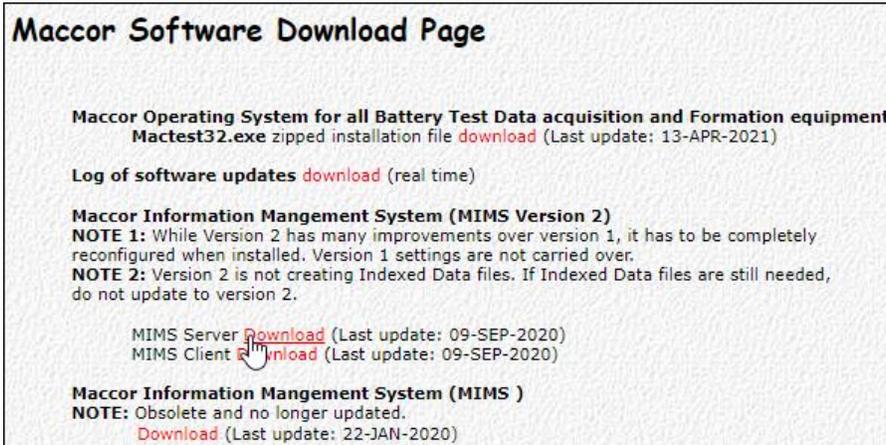
1. Direct internet browser to www.maccorsw.com [Documentation]
2. Download Win10 setup document for tester PCs (*Configuring Windows 10 for MacTest32*).



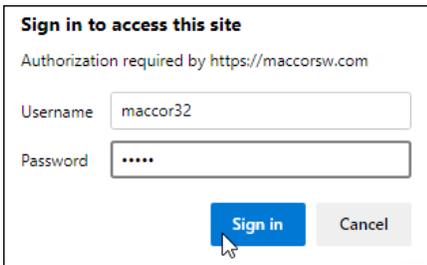
3. Refer to downloaded PDF (pages 1-14) for initial setup of PC.
* Enter "MIMS Server User" for (PC user) instead of "Maccor Tester User" (page 8)
4. Refer to downloaded PDF, remove unnecessary entertainment apps & programs (page 18).
5. Disable Microsoft OneDrive (PDF-page 20)
6. Verify Device Manager, no conflicts (PDF-page 21)
7. Set desktop background to solid blue (PDF-page 22)
8. Personalization settings are optional (screensaver, etc...)
9. Disable data logging/tracking (PDF pages 25-28)
10. Turn off User Account Control (PDF-page 29)
11. Prevent Windows Automatic Updates from rebooting MIMS Server PC (PDF-page 42)
12. Set power options for High Performance (PDF-page 47)
13. Modify File Extensions/Hidden File settings (PDF-page 50)

Installing “MIMS Server 2” Software

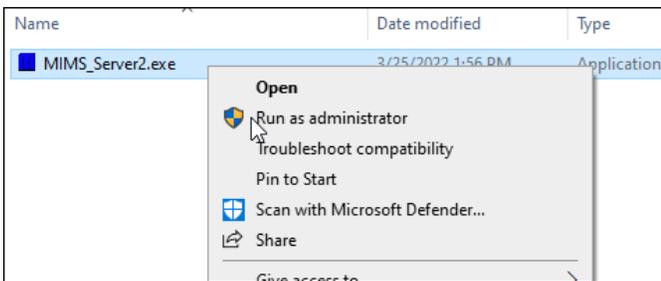
1. Download/install Software from www.maccorsw.com [Software Download]



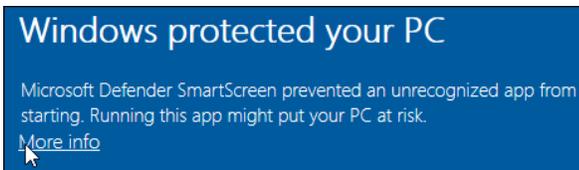
2. Enter download credentials (contact Maccor Customer service for existing password)



3. Locate/extract the downloaded zip file, then right-click and select “Run as administrator”



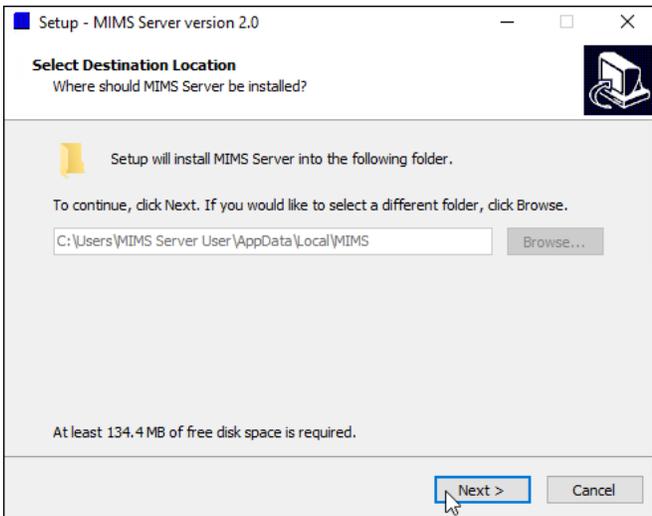
4. At protection message, click More info.



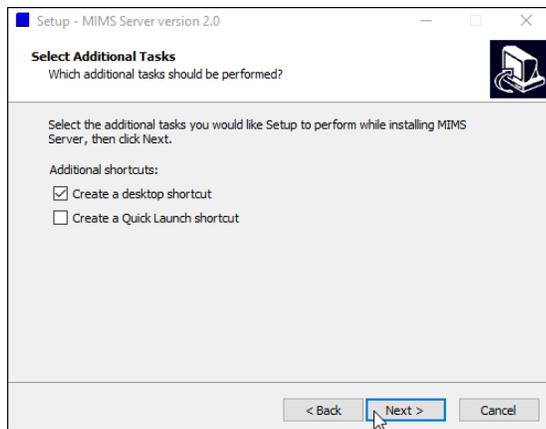
5. Click [Run anyway]



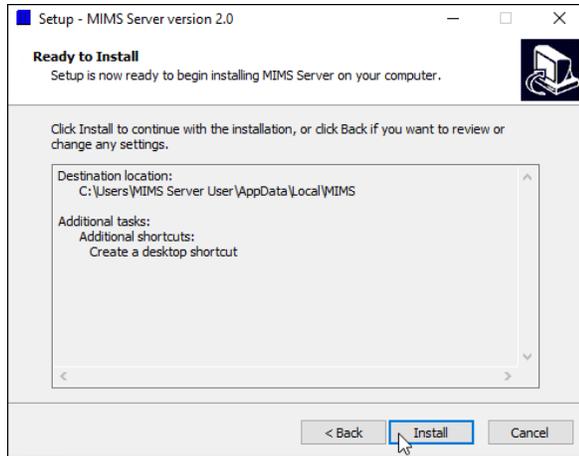
6. Click [Next]



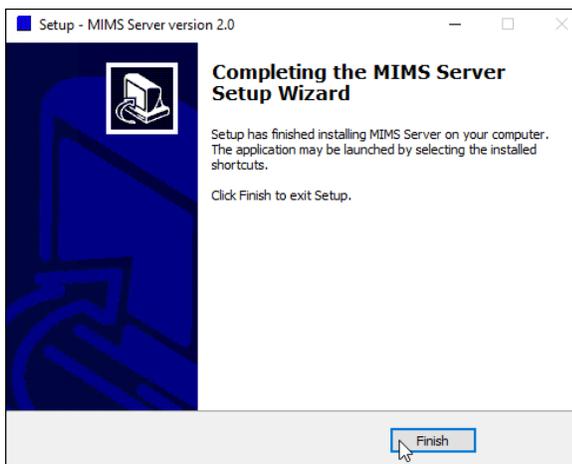
7. Click [Next], create desktop shortcut



8. Click [Install]



9. Click [Finish]



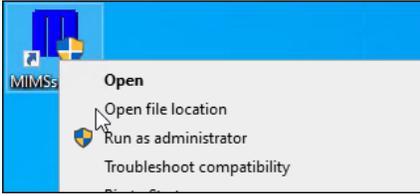
10. Configure Windows Security (Defender).

* Refer to Win10 MacTest32 configuration doc (beginning on page 14).

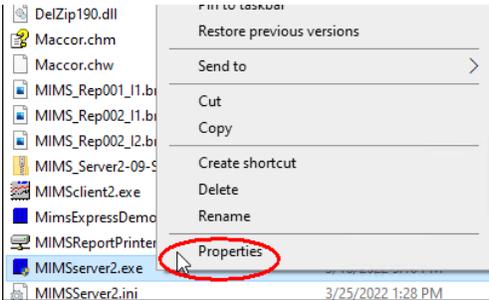
** Make exclusion to MIMS folder (C:\Users\MIMS Server User\AppData\Local\MIMS)

Configure MIMSserver2.exe to Run as Admin

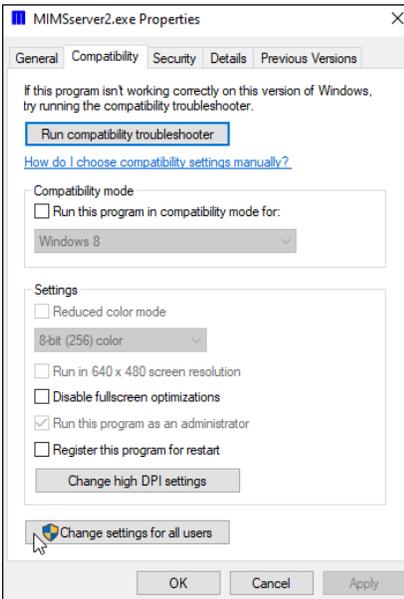
1. Right-click desktop shortcut, select “Open file location”



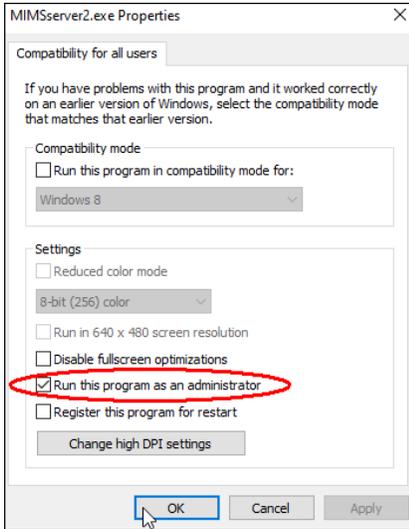
2. Bring the file MIMSserver2.exe into focus, right-click, select Properties



3. Select [Compatibility] tab, then select [Change settings for all users]

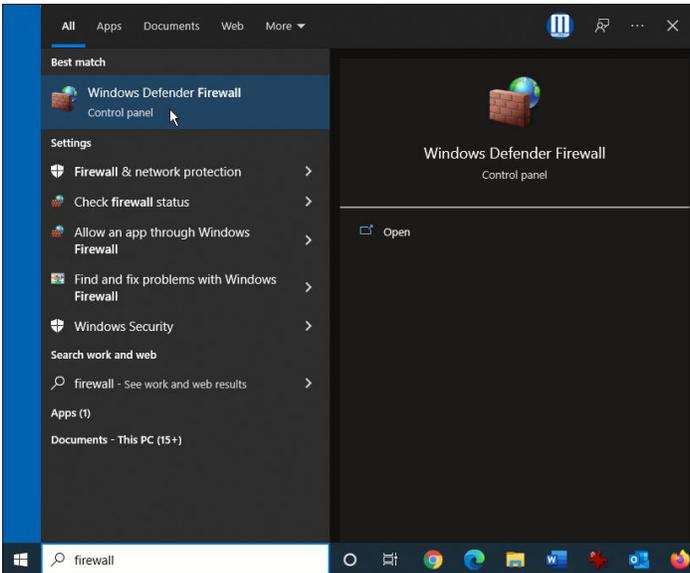


4. Check box “Run this program as an administrator”, click [Apply], then [OK] twice.



Create Firewall Exception

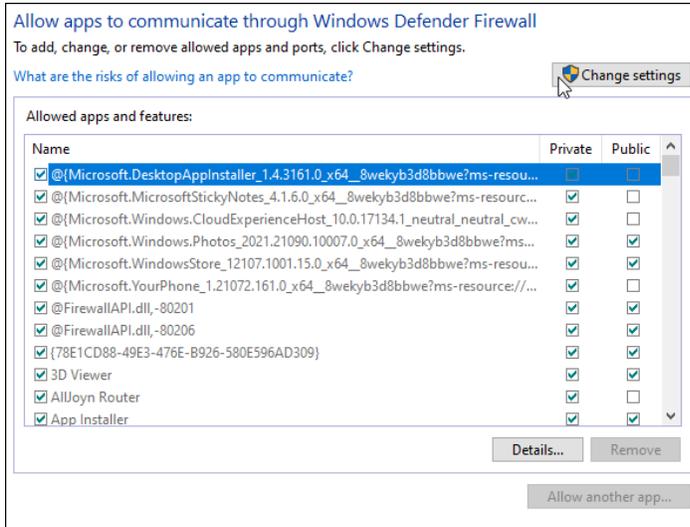
1. At taskbar search field, type “firewall”, then click under best match or press [Enter]



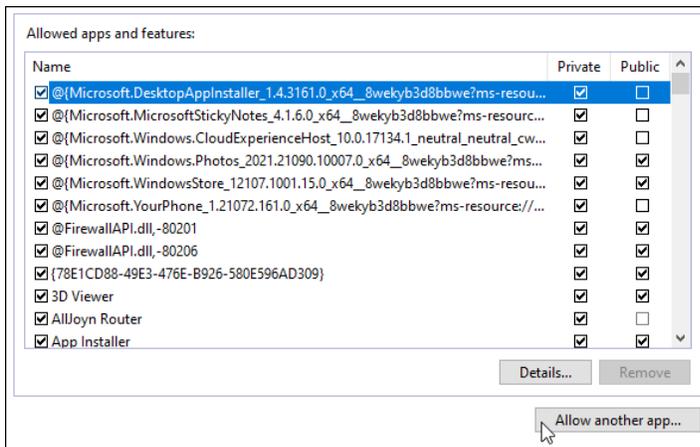
2. Click “Allow an app...”



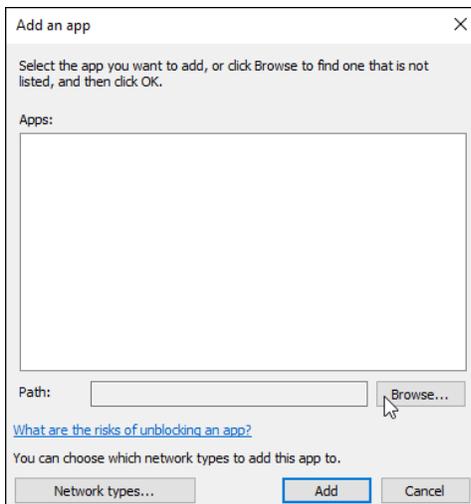
3. Click [Change settings]



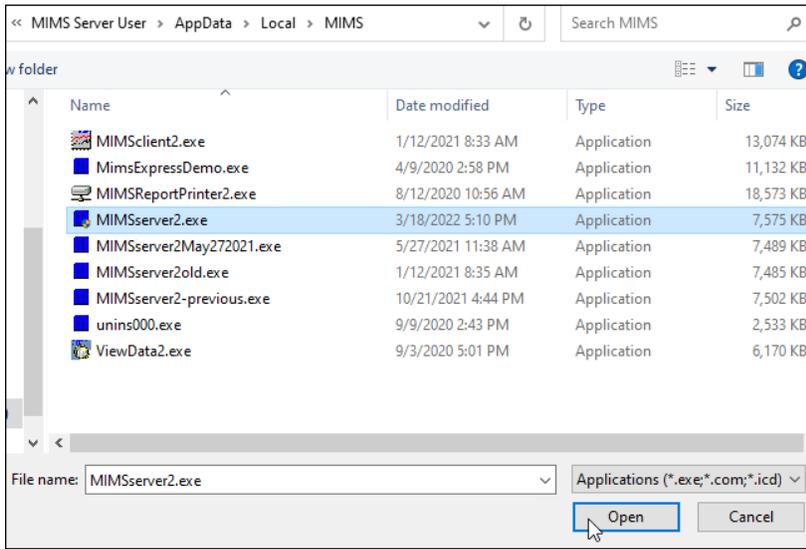
4. Click [Allow another app...]



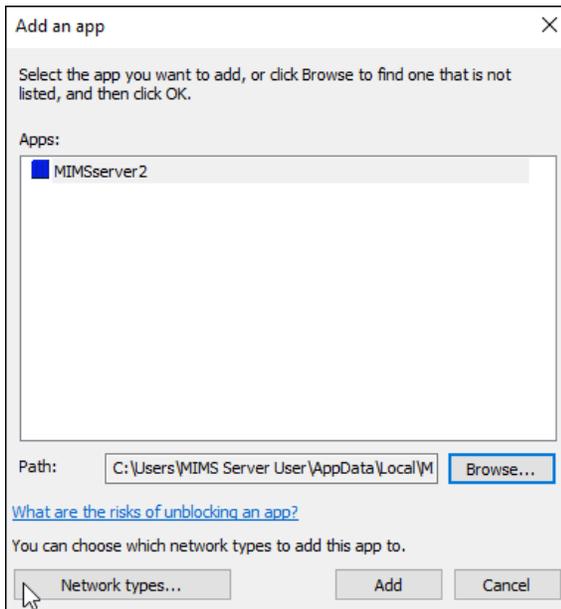
5. Click [Browse]



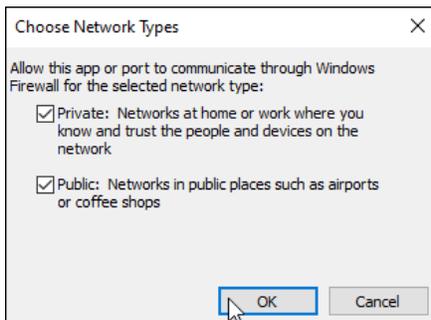
- Browse to (C:) > Users > MIMS Server User > AppData > Local > MIMS > MIMSserver2.exe
 * With MIMSserver2.exe highlighted, click [Open]



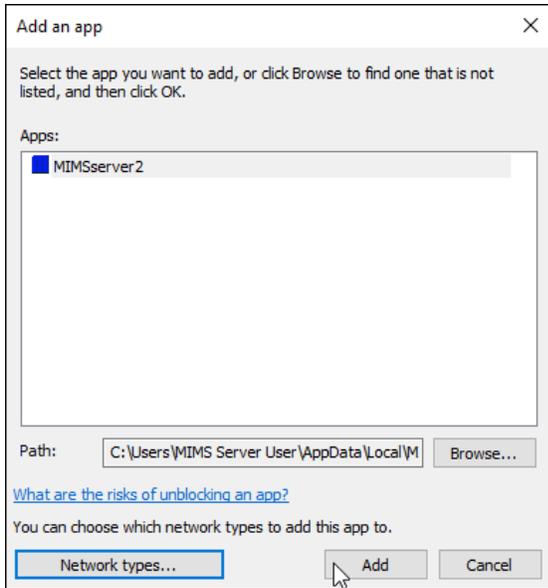
- Click [Network types...]



- Verify "Private" and "Public" are both checked, click [OK]



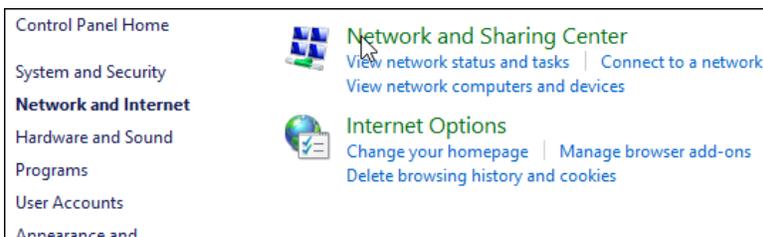
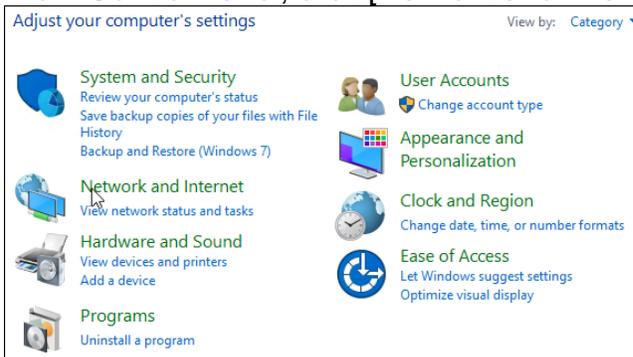
9. Click [Add] then click [Ok], exit firewall/control panel.



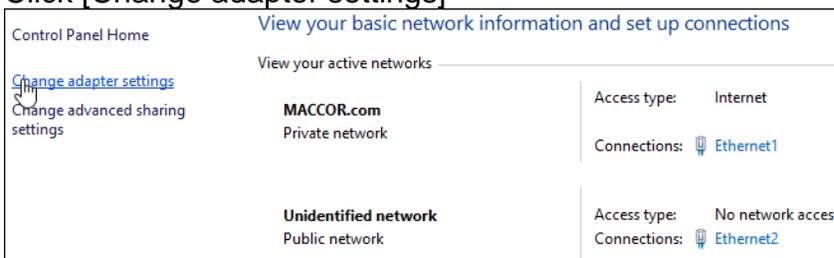
Network Adapter Configuration

Rename Network Adapters

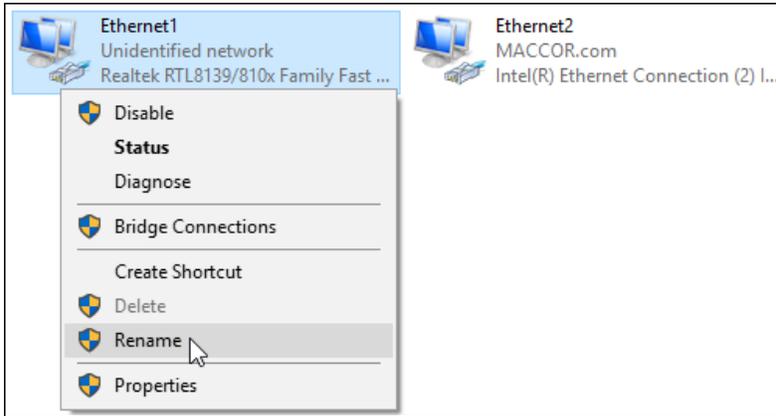
1. From Control Panel, click [Network and Internet], then [Network and Sharing Center]



2. Click [Change adapter settings]



- Right-click on whichever is the add-in network card, select “Rename”. Rename to “MIMS Network”, “MIMS LAN”, or something similar.

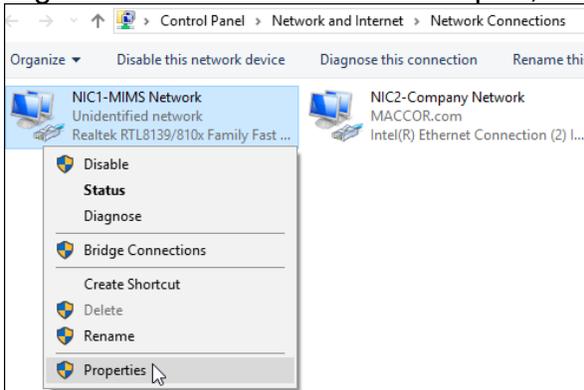


- With other NIC, right-click, rename as “company network” or something similar.
Example:

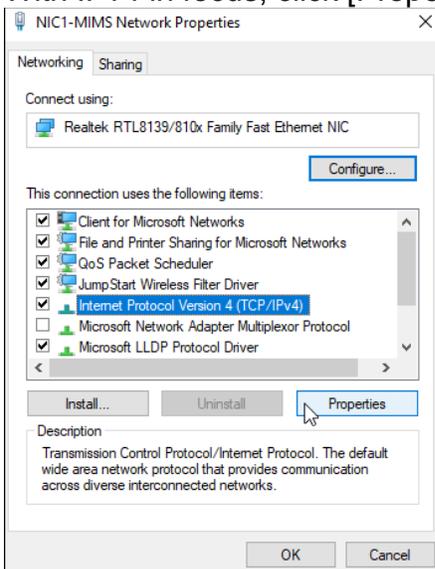


IP Address Settings - NIC1

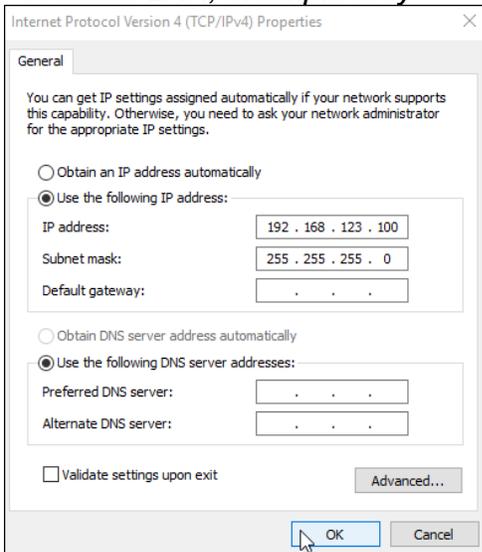
- Right-click on MIMS Network adapter, select [Properties]



- With IPv4 in focus, click [Properties]

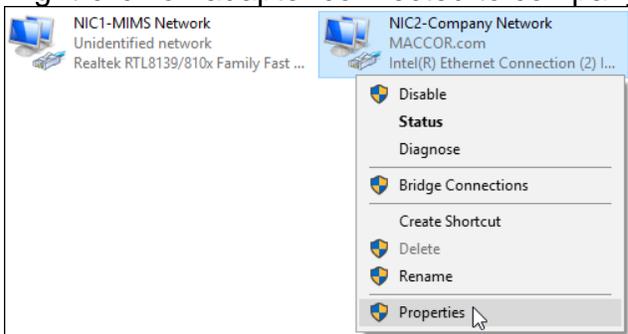


- Set IP address to 192.168.123.100, Subnet mask 255.255.255.0
** Isolated LAN, example only*

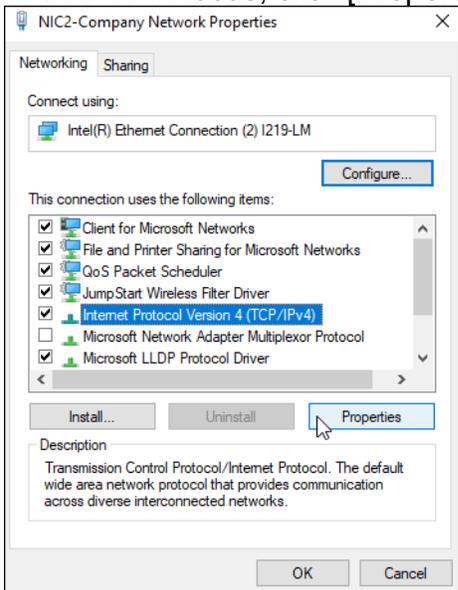


IP Address Settings - NIC2

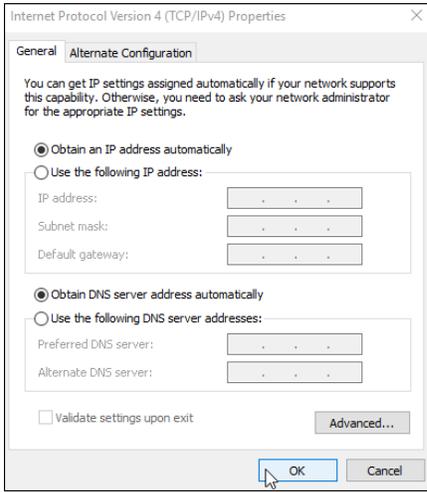
- Right-click on adapter connected to company network, select [Properties]



- With IPv4 in focus, click [Properties]

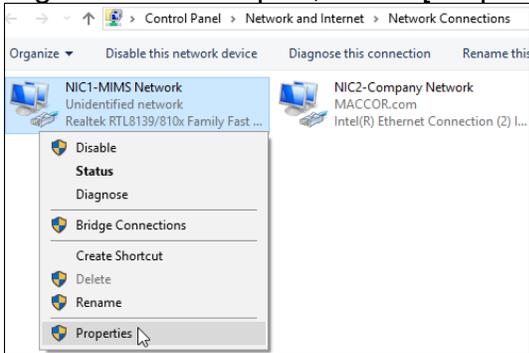


3. Set IP and Subnet mask to Automatic

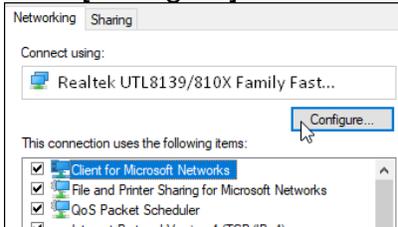


NIC Power-Save Settings

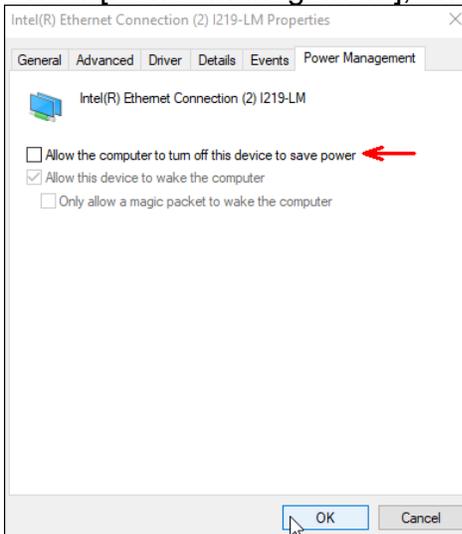
1. Right-click on adapter, select [Properties]



2. Click [Configure]



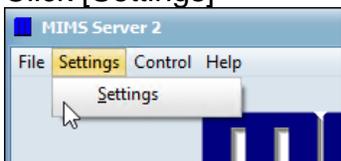
3. Under [Power Management], un-check box “allow computer to turn off device”



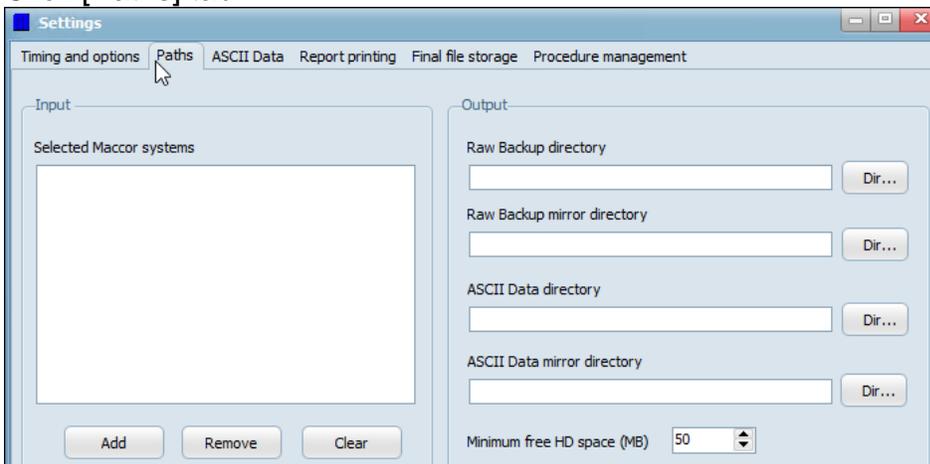
MIMS Server 2 Settings

Adding Maccor Systems

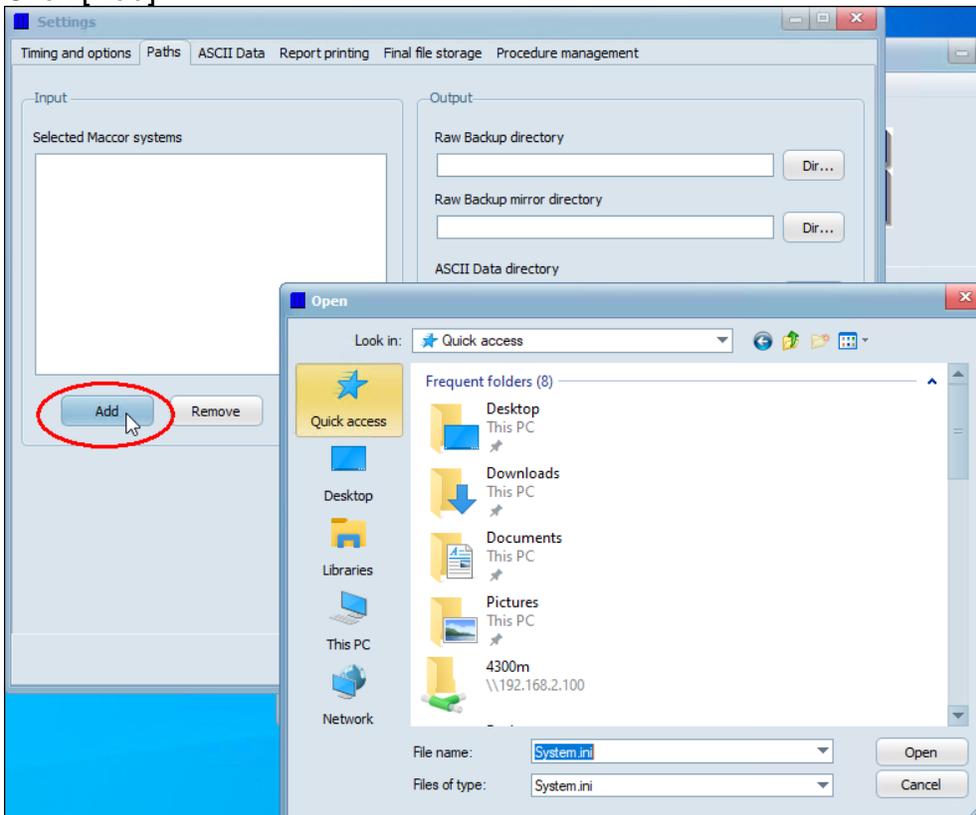
1. Start MIMSserver2 program.
2. Click [Settings]



3. Click [Paths] tab

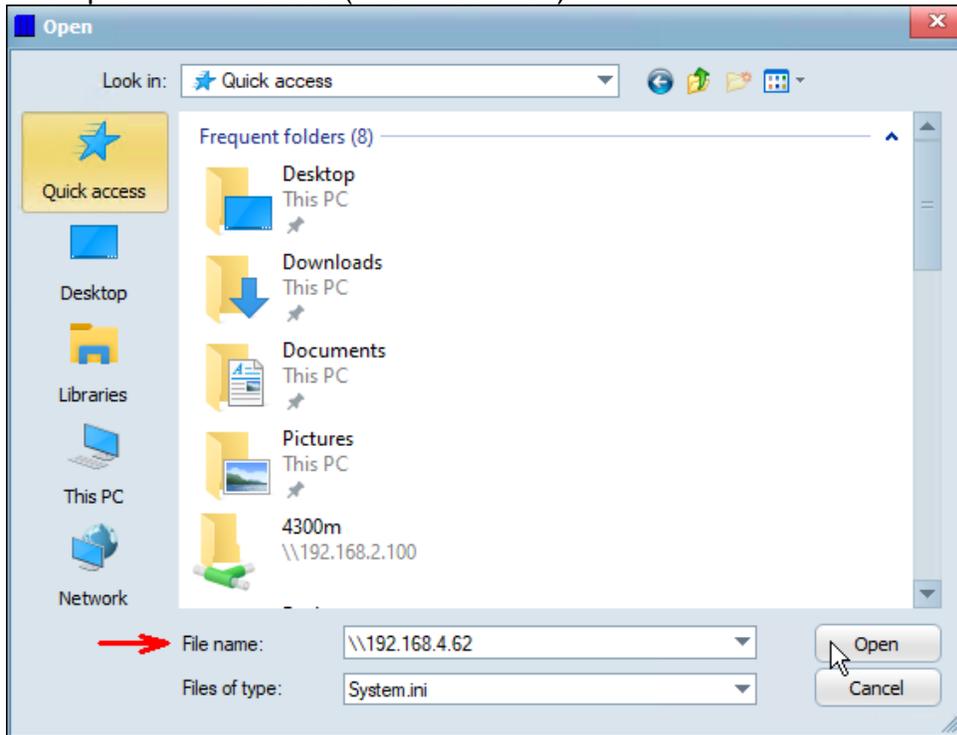


4. Click [Add]



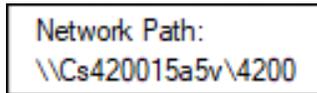
- In “File name” field, type in full network share name or IP address of Maccor Tester.

Example A: IP Address (\\192.168.4.62)

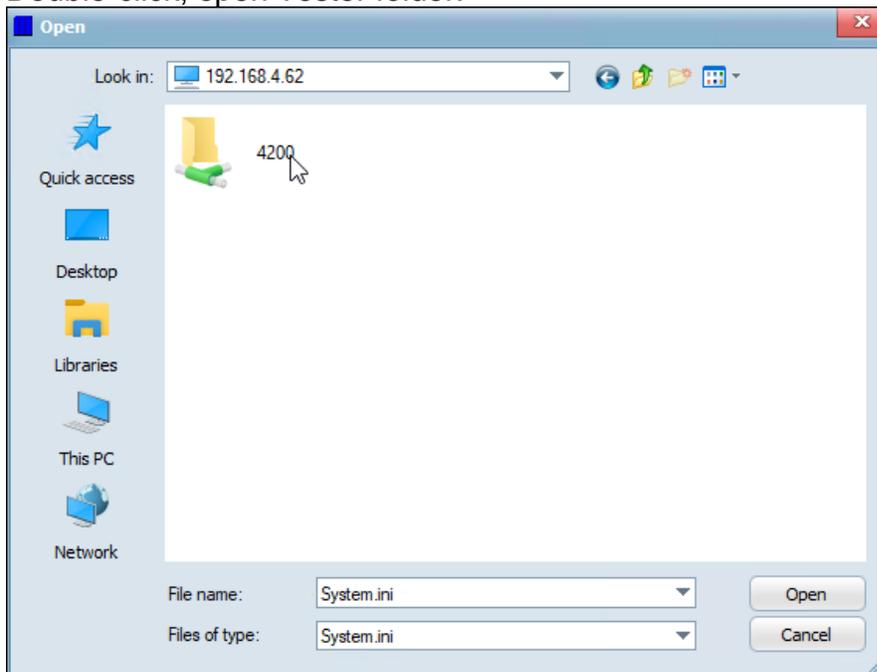


* Full network share name can be verified at Maccor Tester PC when Tester-Name folder is shared (Page 10, Step 8 above).

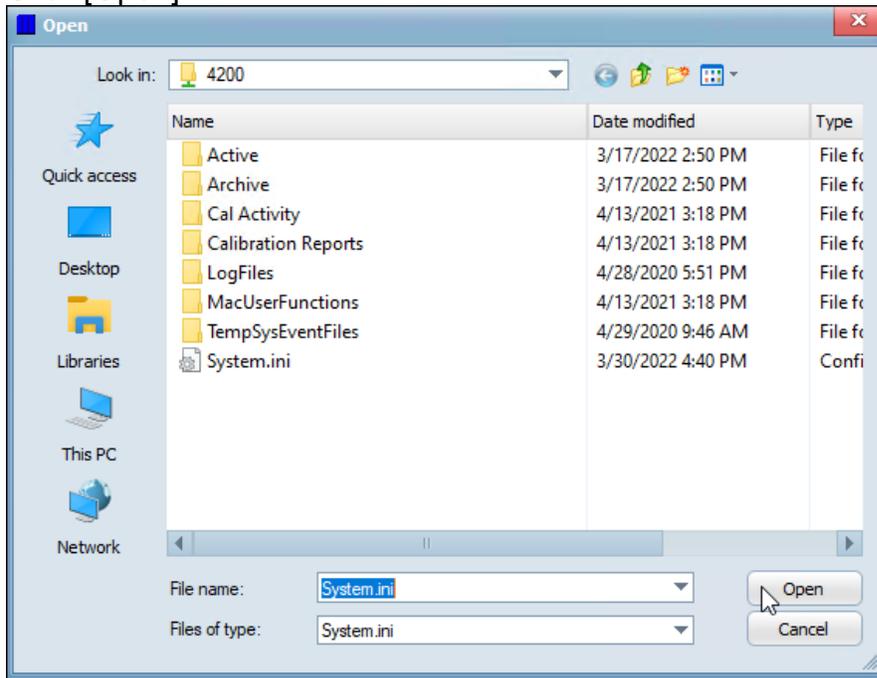
Full network share name example: (\\Computer Name\Tester-name\)



- Double-click, open Tester folder.

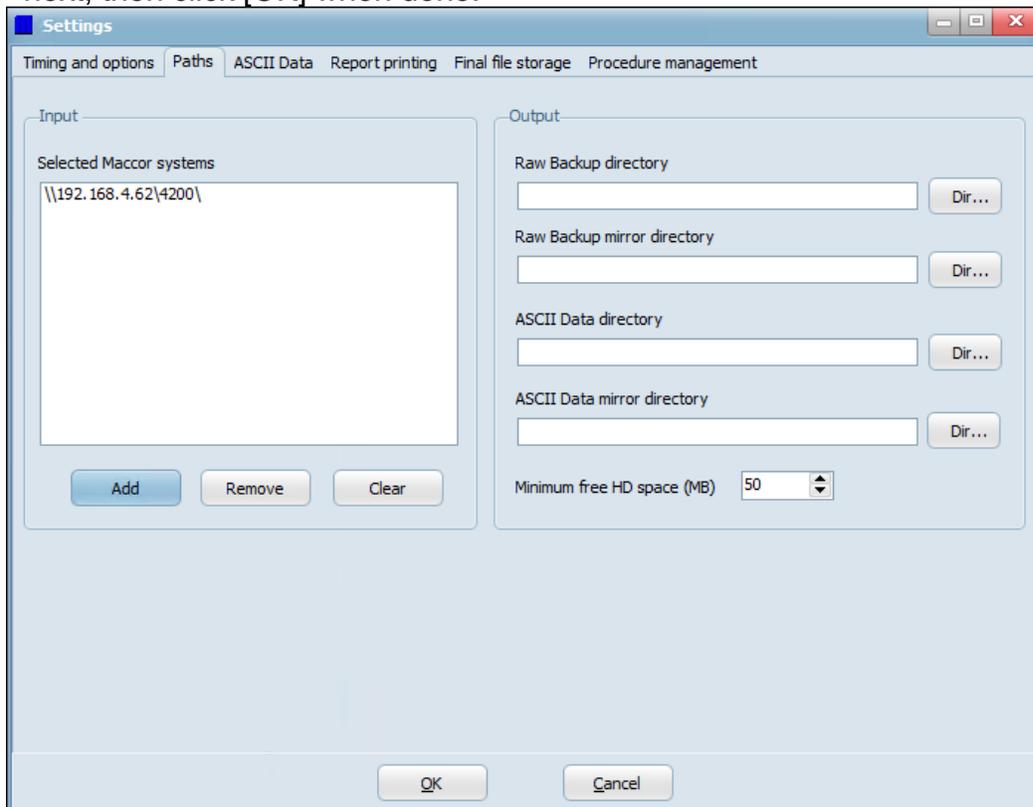


7. Click [Open].



8. System is now added.

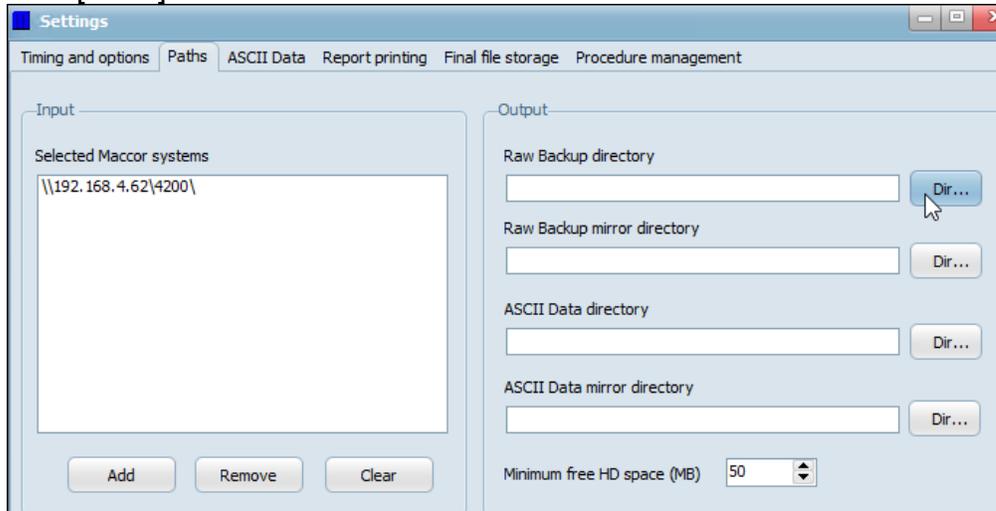
* [OK] button must be clicked or settings will not be retained. Continue with Output settings next, then click [OK] when done.



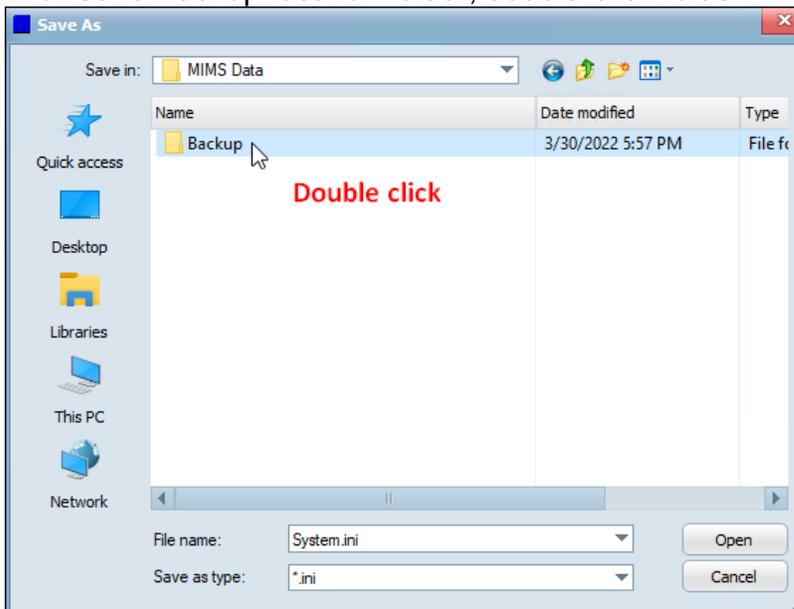
Defining Output Path: Raw Data and ASCII

Raw Backup directory

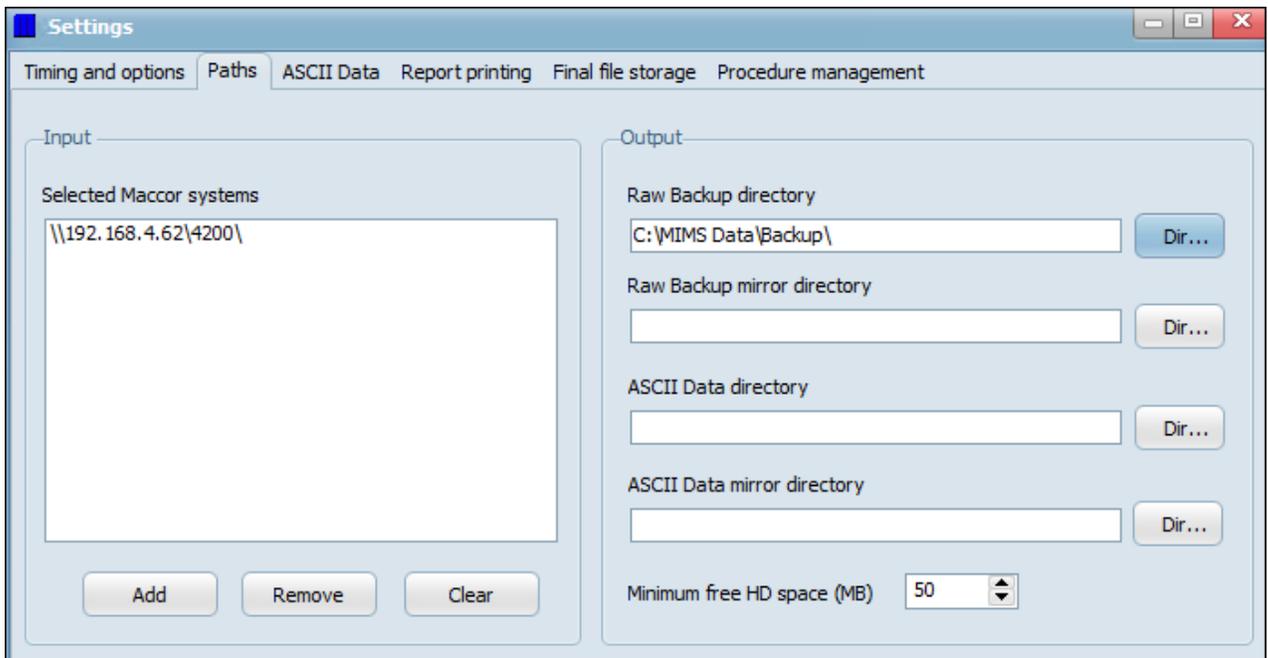
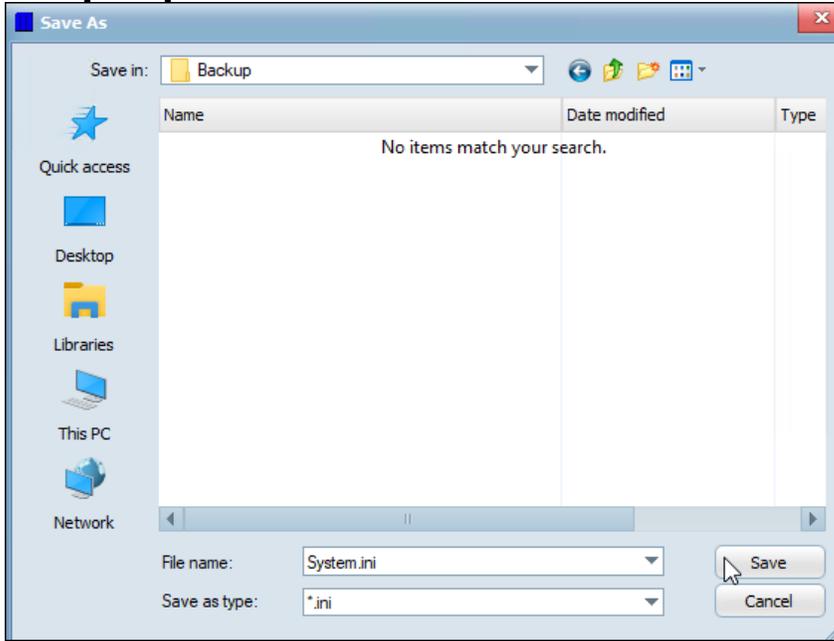
1. First, manually create the Backup directory via Windows File Explorer.
Example - C:\MIMS Data\Backup
2. Click [Dir...]



3. Browse to Backup location folder, double-click folder.

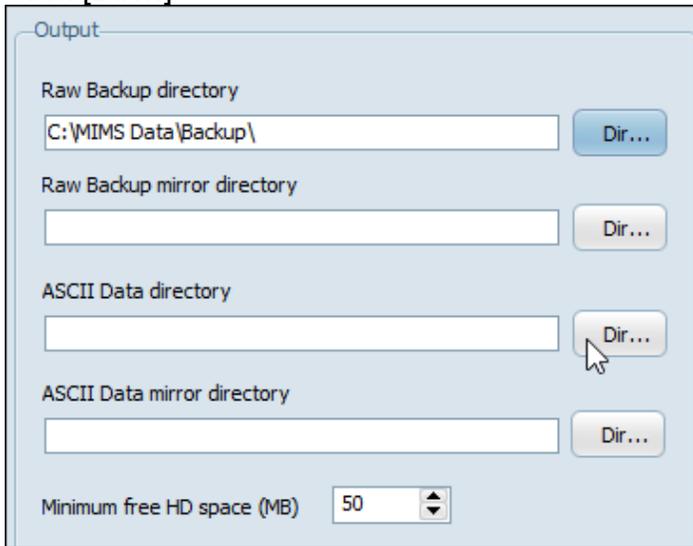


4. Click [Save]

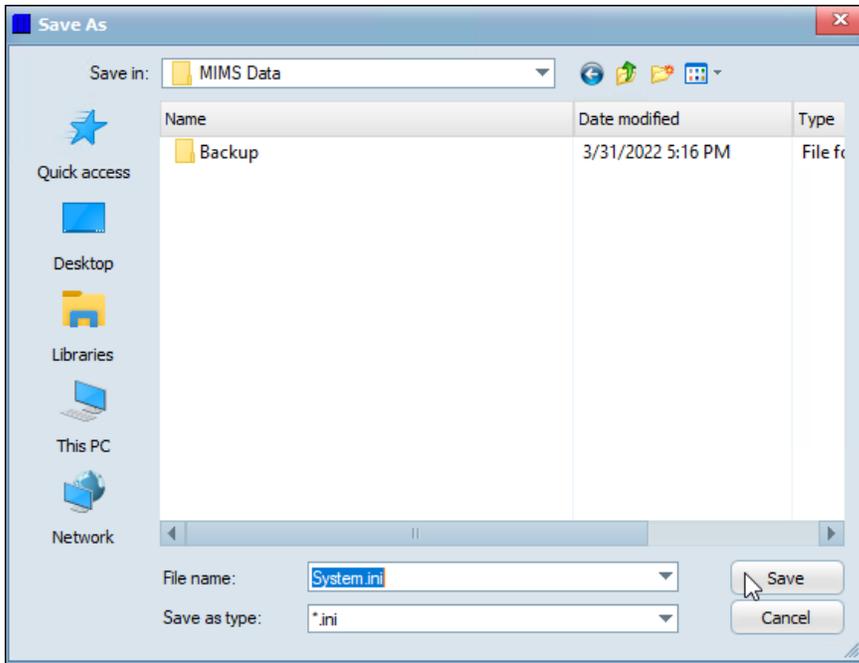


ASCII Data directory

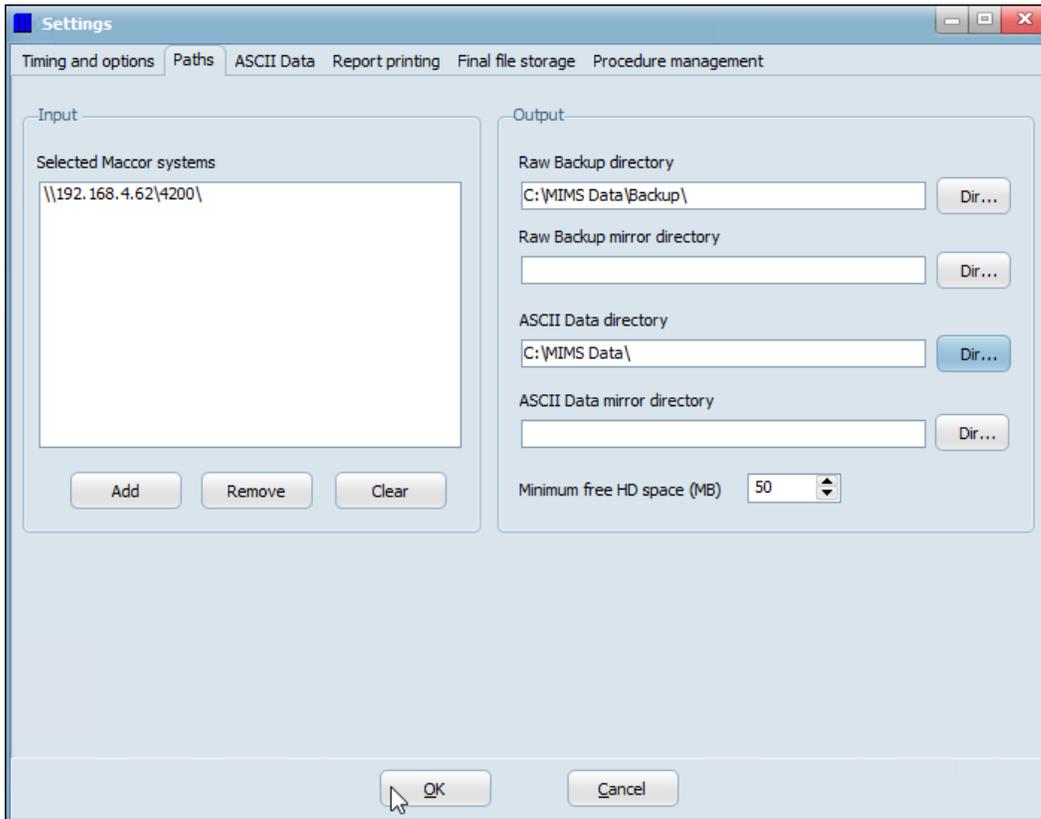
1. Click [Dir...]



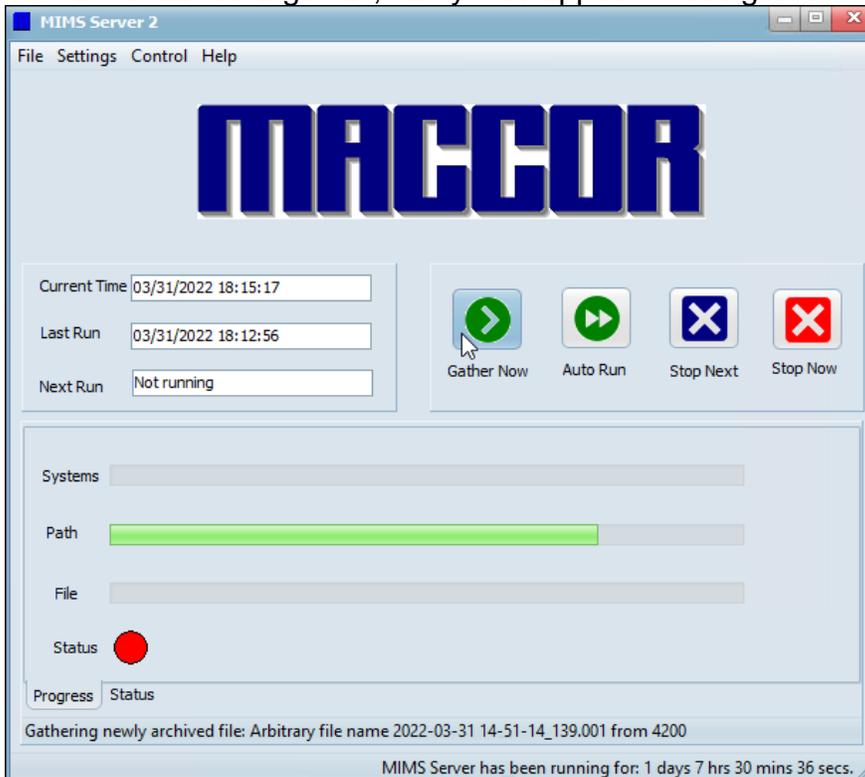
2. Browse to Parent directory of Backup folder, click [Save].
** MIMS Server 2 will automatically create an ASCII folder*



3. Verify Input/Output settings, click [OK] to save all settings.



4. Run a manual data gather, verify files appear in designated output directories.



****** *Optional mirror directories are set up in same manner. Refer to MIMS Server section in Maccor operator manual for additional detail and rules.*