## PacsAnalyzer and PACStationMgr Considerations When Installed on Win7+ (32/64 bit) OS's.

When executing these tools over Ethernet, the PLC module info/fault tables will be collected, but the Ethernet section may show no data at all, this is NOT the expected outcome.

abcd.txt - Notepad File Edit Format View Help PacsAnalyzer 3.5 [Build 1] Report for PLC at 10.10.10.23, CPU: PACSystems CPU310, FW: 6.71 Host PC Date/Time: 08-10-2012 12:04:27 Controller Date/Time: 08-10-2012 12:04:24 Controller State: Run Enabled SLOT MODEL PRIMARY FW BOOT FW HW SERIAL DATE CATALOG IC695PSD040F 1.10 IC695PSD040F 0 D659371 123456789 10112314 11516 IC695CPU310 6.71 [16C1] 2.50 [25A3] 7.00 6.14 [24A1] 6.14 [24A1] 6.10 [31A1] IC695ETM001 3.60 [45A1] 3.60 [45A1] 3.60 [45A1] 7.00 7.00 6.00 IC695ETM001 IC695ETM001 \_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_ Last cleared: 08-10-2012 11:36:59 Displaying 0 of 0 faults (0 overflowed), in time descending order. Last cleared: 08-10-2012 11:36:59 Displaying 0 of 0 faults (0 overflowed), in time descending order. 

For example, ETM analysis sections shows no Ethernet data collected.

Windows Firewall needs to be configured correctly to allow these tools to collect the Ethernet data from the PLC. Two options are available:

1. Go into windows control panel and turn Windows Firewall OFF.



 If Windows Firewalls cannot be disabled, add these tools to the "Windows Firewall > Allowed Programs" list.



Windows Firewall  Allowed Programs Allowed Programs	Search Control P	anel
Allow programs to communicate through Windows	Firewall	
To add, change, or remove allowed programs and ports, click Chang	e settings.	
What are the risks of allowing a program to communicate?	🚱 Cha	nge settings
Allowed programs and features:		
Name	Home/Work (Private)	Public 🔺
BranchCache - Content Retrieval (Uses HTTP)		
BranchCache - Hosted Cache Client (Uses HTTPS)		
BranchCache - Hosted Cache Server (Uses HTTPS)		
BranchCache - Peer Discovery (Uses WSD)		
Connect to a Network Projector		
Core Networking		
Distributed Transaction Coordinator		
✓ File and Printer Sharing		
HASP LLM		
HomeGroup		
✓ Input Director Session Helper tcp-in		
✓ Input Director tcp-in	✓	<b>v</b> -
	Details	Remove
	Allow anothe	r program

From the allowed programs list, select "allow another program"

Select "Browse" and point to where you have these tools installed.

Create	a System Rep	air Disc			
Durus	Development S	oftware			1
GE Con	npare Module				
Inout I	Director				1
Interne	t Explorer				
Interne	t Explorer (64	-bit)			
IrfanVi	ew 4.30	13			
License	Viewer				
Manua	inches.				
Micros	oft Security Es	sentials			
Microso	oft Silverlight			1.750	
-				1	
the	C-Windows	system32\recdi	c.exe	Browner	

When Pacsanalyzer is added to the list, then select Add:

Add a Program	x
Select the program you want to add, or click Browse to find one that is listed, and then click OK.	s not
Programs:	
IrfanView 4.30	
E License Viewer	
💡 Manual	
microsoft Security Essentials	=
👽 Microsoft Silverlight	
Rodbus Plus Network Browser	
🕹 Mozilla Firefox	
RetLink Configuration Utility	
Notepad++	
OPC A&E Server	_
Recard PacsAnalyzer Diagnostic Utility	Ŧ
Path: C:\Users\410001964\Desktop\PacsAnalyzer_' Brows	e
What are the risks of unblocking a program?	
You can choose which network location types to add this program to.	
Network location types Add Can	icel

This is now added to the allowed list, check the boxes to the right for full access.

Allowed programs and features:			
Name	Home/Work (Private)	Public	*
✓ Input Director tcp-in	V		
iSCSI Service			
Media Center Extenders			
✓ Microsoft Office Outlook		☑	Ξ
✓ Microsoft OneNote		✓	
Microsoft SharePoint Workspace		☑	
Netlogon Service			
Network Discovery		✓	
PacsAnalyzer Diagnostic Utility			
Performance Logs and Alerts			
Remote Assistance		☑	
Remote Desktop		✓	Ŧ
	Details	Remove	

Allow another program...

Select "Allow another program" again and add in PacStaMgr exe file.

End result, both programs added to the allow list.

✓ Network Discovery	V		
PacsAnalyzer Diagnostic Utility	V		
☑ PACSystems Station Manager			
Performance Logs and Alerts			
Remote Assistance	✓		Ŧ
	Details	Remove	
	Allow another program		

These tools are now ready to be used on Windows 7 host machine.

3. Run the tool again and now the ETM analysis section should show valid data.

Here is an example of valid data:

```
>node
IC695 Peripheral Ethernet Interface
Copyright (c) 2003-2005. All rights reserved.
Version 6.14 (24A1) TCP/IP
Version 3.60 (45A1) Loader
Version 7.00 Hardware
IP Address = 10.10.10.21
                               Subnet Mask = 255.255.255.0
Gateway = 0.0.0.0
MAC Address = <<0009910290E4>>
SNTP Not Configured
Station Manager Port:
  Data Rate = 9600, Parity = NONE, Flow Control = NONE
Source of Soft Switches: PLC Configuration
Source of IP Address: Configuration
Advanced User Parameters are modified; use "parm" command to display
Jan 3, 2000 3:38:20.10
Date/time not synchronized
>log
<<< Extended Exception Log >>>
IC695 Peripheral Ethernet Interface version 6.14 (24A1)
Log displayed 03-JAN-2000 03:38:21.0
Log initialized using valid RAM information
```