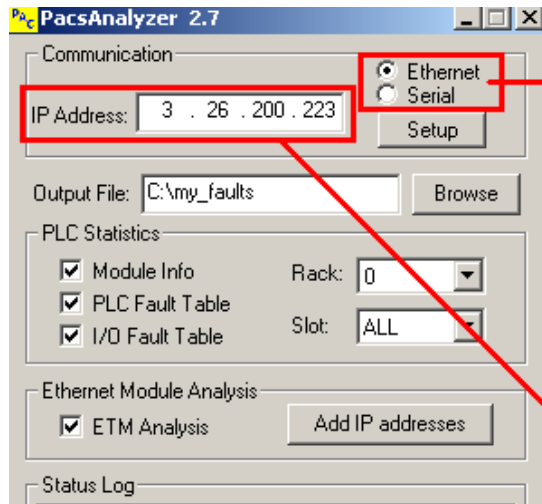
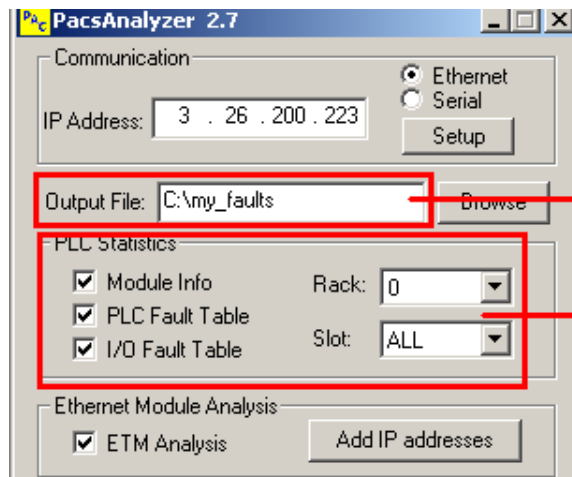


How to use PacsAnalyzer



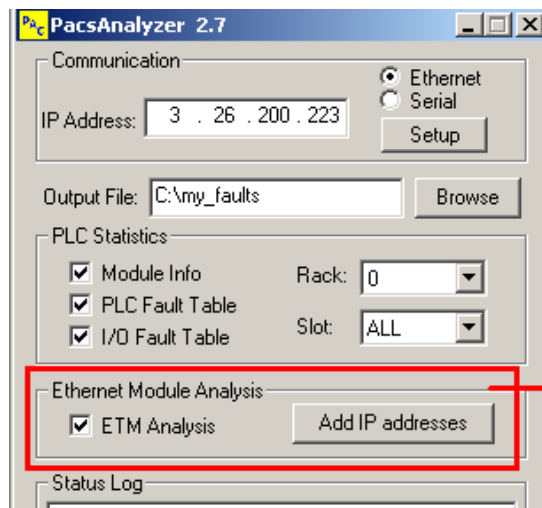
1. Select Ethernet.

2. Enter in IP address of PLC Ethernet interface.



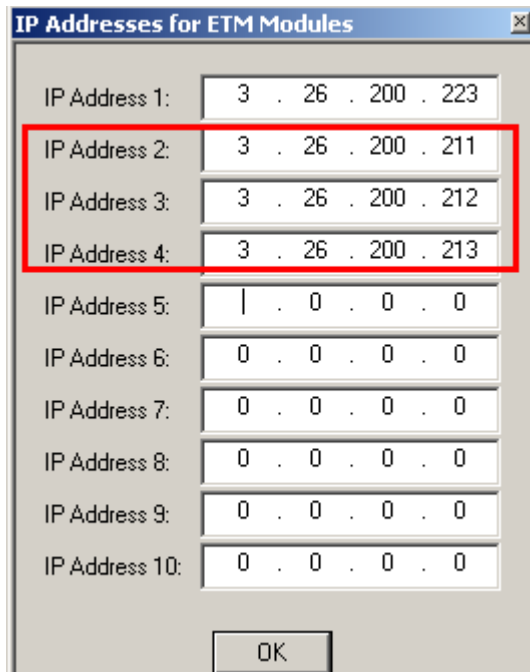
3. Define output file name and path.

4. Ensure all options are checked.



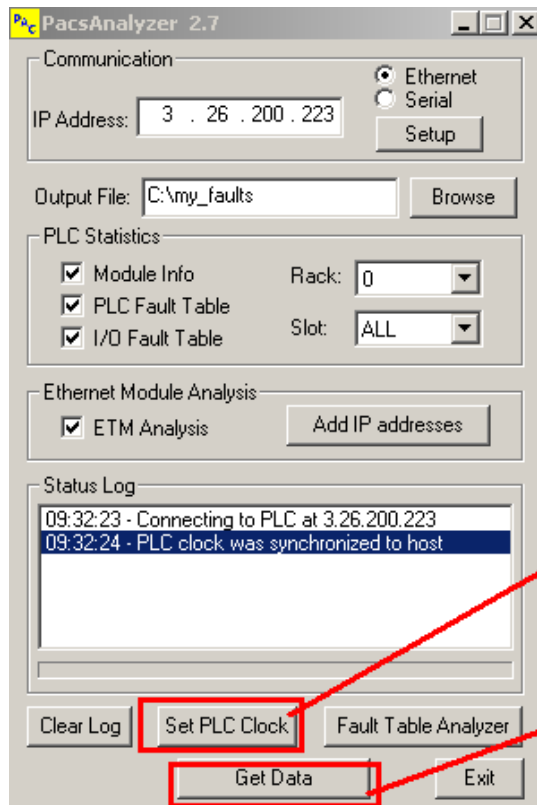
5. Check "ETM Analysis"

Click on "Add IP addresses" if there are additional Ethernet modules installed on rack. For example, if RX3i system has more than one IC695ETM001 module installed on the rack. Enter in the IP of the additional ETM modules.



The dialog box titled "IP Addresses for ETM Modules" contains ten input fields for IP addresses, each with four segments separated by dots. IP Address 1 is 3 . 26 . 200 . 223. IP Address 2 is 3 . 26 . 200 . 211. IP Address 3 is 3 . 26 . 200 . 212. IP Address 4 is 3 . 26 . 200 . 213. IP Address 5 is | . 0 . 0 . 0. IP Address 6 is 0 . 0 . 0 . 0. IP Address 7 is 0 . 0 . 0 . 0. IP Address 8 is 0 . 0 . 0 . 0. IP Address 9 is 0 . 0 . 0 . 0. IP Address 10 is 0 . 0 . 0 . 0. An "OK" button is at the bottom.

IP Address	Segment 1	Segment 2	Segment 3	Segment 4
IP Address 1:	3	26	200	223
IP Address 2:	3	26	200	211
IP Address 3:	3	26	200	212
IP Address 4:	3	26	200	213
IP Address 5:		0	0	0
IP Address 6:	0	0	0	0
IP Address 7:	0	0	0	0
IP Address 8:	0	0	0	0
IP Address 9:	0	0	0	0
IP Address 10:	0	0	0	0

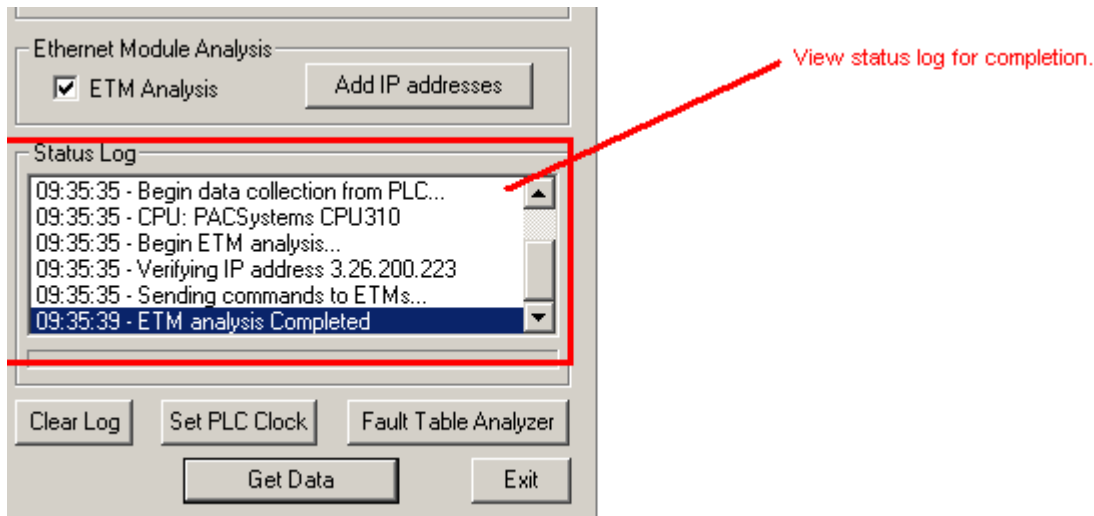


The main window of PacsAnalyzer 2.7 shows the following settings: Communication is set to Ethernet with IP Address 3 . 26 . 200 . 223. Output File is C:\my_faults. PLC Statistics: Module Info, PLC Fault Table, and I/O Fault Table are checked. Rack is 0, Slot is ALL. Ethernet Module Analysis: ETM Analysis is checked. The Status Log shows: 09:32:23 - Connecting to PLC at 3.26.200.223, 09:32:24 - PLC clock was synchronized to host. Buttons at the bottom include Clear Log, Set PLC Clock, Get Data, Fault Table Analyzer, and Exit.

Section	Item	Value/Status
Communication	IP Address:	3 . 26 . 200 . 223
	Mode	Ethernet
Output File	File Path	C:\my_faults
	Browser	Browse
PLC Statistics	Module Info	Checked
	PLC Fault Table	Checked
	I/O Fault Table	Checked
	Rack	0
Slot	Slot	ALL
	Browser	Browse
Ethernet Module Analysis	ETM Analysis	Checked
	Add IP addresses	Add IP addresses
Status Log	Log Text	09:32:23 - Connecting to PLC at 3.26.200.223 09:32:24 - PLC clock was synchronized to host
	Clear Log	Clear Log
Buttons	Set PLC Clock	Set PLC Clock
	Get Data	Get Data
Buttons	Fault Table Analyzer	Fault Table Analyzer
	Exit	Exit

6. To synchronize PLC clock to host, choose this option.

7. Select "Get Data" to begin data collection.



Example results file.

```

my_faults - Notepad
File Edit Format View Help
PacsAnalyzer 2.7 [Build 1]
Report for PLC at 3.26.200.223, CPU: PACSystems CPU310, Fw: 5.70
Host PC Date/Time: 01-05-2010 09:35:35
Controller Date/Time: 01-05-2010 09:35:34
Controller State: Run Enabled
-----
##### MODULE INFO for RACK 0 #####
SLOT  MODEL          PRIMARY FW    BOOT FW      HW      SERIAL
DATE
0  IC695PSA140B      1.10
1  ---
2  5CPU310A          5.70 [07C1]  3.50 [31A1]  8.00
3  ---
4  5ETM001A          5.51 [45A1]  3.60 [45A1]  6.00
5  OU16
6  IN16
7  ---
8  ---
9  ---
10 ---
11 ---
12 5LRE001A
13 ---
14 ---
15 ---
16 ---

##### PLC FAULT TABLE #####
Last cleared: 01-08-2000 00:38:16
Displaying 2 of 2 faults (0 overflowed), in time ascending order.

1. Location: 1.0 Date/Time: 01-08-2000 00:38:36.188
   Group:1 LOSS_RCK - Loss of or missing rack
   Error Code:1 Configured rack lost
   Action:2 Task Num:37
   Extra Data: 01 29 09 c3 00 00 00 00 00 09 43 8c 16 79 83 e0 00 00 00 00 00 00
00 00
   ASCII: . . . . . C . . y . . . . .
. .

```