

TPIAnalyzer Quick Reference

Installation

The “Windows Packet Capture Library” (Winpcap.exe) must be installed on the computer where the TPIAnalyzer will be used. Please follow the onscreen instructions during this installation.

Using the program

After the start of the program the analyzer shows all the available network interfaces:

TPI - Analyzer V 1.0.7
Leica Geosystems 2005
For internal use only

Available Network Cards :
1 : Generic NdisWan adapter
2 : 3Com EtherLink PCI (Microsoft's Packet Scheduler)
3 : Broadcom NetXtreme Gigabit Ethernet Driver
Enter the interface number (1-3):

Please select the interface, where the communication with emScon is running on.

A confirmation is given. E.g.

Listening for TPI Communication on Adapter :
Broadcom NetXtreme Gigabit Ethernet Driver...

Now the main menu is displayed :

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L = Log to	[TPIAnalyzer.log file]
D = Detail Level	[HIGH]
M = Show Measurements	[FALSE]
N = NetworkInfo	[ON]
S = Sniffer	[Capturing]
C = Clear Screen	
X = Exit (and save Settings)	

The Menu Options

[L] change the destination for the “sniffed” data.

After the start of the program the destination for all sniffed data is the screen. Pressing [L] once, the destination is changed to the file “TPIAnalyzer.log” in the current directory. All subsequent data is captured into this file. It can be viewed, using any text editor (e.g. Notepad) as soon a [L] is pressed again. This second press closes the file and returns the sniffer’s destination to the screen again.

[D] change the detail level of the “sniffed” commands.

Applies especially for sniffed measurement data.

[M] switch ON/OFF whether measurements are displayed.

[N] toggle ON/OFF the display of network relevant information.

[S] Suspend the analyzer display (data packets during the suspended time are lost).

[C] clear the display.

[X] exit the application.

Command line option

/NICNR

If the number of the network interface is known, it can be supplied in the command line of the analyzer. e.g.

TPIAnalyzer /NICNR 3