



WAN PROTOCOL ANALYSER

analysis, statistics, decoding, performance, management
X.21, G703, ISDN, Bridge / Router, etc.

Logix Mocha Wide Area Network Analyser for Bridge / Router and other HDLC links, with the Mocha 16 bit PC Card (pcmcia) 'plug and play' adaptor for Windows 98/2000/XP.



Interfaces include :-
X.21 (V.11, RS.422), V.24 (RS.232-C), RS.449, V.35
ISDN Basic Rate B1, B2 & D
E1 / G703 and T1 interfaces
Clear Channel and Fractional single channel groups



Packets received: 3,222 Memory usage: 11%

Packets filtered: 3,222 Filter state: Accept all packets

Packet	Source	Destination	Size	Absolute Time
613	ursa.wildpackets.com	modem-350.zebra.di...	64	10:34:16.88401
614	ursa.wildpackets.com	modem-350.zebra.di...	1197	10:34:17.03341
615	modem-350.zebra.dialup.p...	ursa.wildpackets.com	364	10:34:17.08931
616	modem-350.zebra.dialup.p...	ursa.wildpackets.com	64	10:34:17.09501
617	ursa.wildpackets.com	modem-350.zebra.di...	1518	10:34:17.22401

Packet: 615

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Ethernet Header
  Destination: 09:00:00:4C:47:58 mocha wan [0-5]
  Source: 09:00:00:44:54:45 wan dTe [6-11]
  Protocol Type: 0x0800 IP [12-13]
IP Header - Internet Protocol Datagram
TCP - Transport Control Protocol
HTTP - Hyper Text Transfer Protocol
  Command: GET [54-56]
  URI: /images/home/green_vpa_corner.gif [57-90]
  Version: HTTP/1.1<CR><LF> [91-101]
  Accept: */*<CR><LF> [102-114]
  Referer: http://www.wildpackets.com/<CR><LF> [115-152]
  Accept-Language: en-gb<CR><LF> [153-176]
  Accept-Encoding: gzip, deflate<CR><LF> [177-208]
  User-Agent: Mozilla/4.0 (compatible; MSIE 5.0; Windows 98; DigExt
  Host: www.wildpackets.com<CR><LF> [277-303]
  Connection: Keep-Alive<CR><LF> [304-327]
  Cookie: sid=7VU5fCSYtzeYlmpL<CR><LF><CR><LF> [328-359]
0000: 09 00 00 4C 47 58 09 00 00 44 54 45 08 00 45 00 ... LGX...DTE..E.
0016: 01 5A A9 99 40 00 7F 06 49 42 D9 86 F1 5E C0 D8 .Z..q...IB...^k
0032: 7C 04 05 2C 00 50 03 FA 6E 22 BD DF A2 05 50 18 l...P..k"u&c.P.
0048: 1D C5 80 2A 00 00 47 45 54 20 2F 69 6D 61 67 65 .A.*..GET /image
Packets Nodes Protocols Size Summary History Log Expert Peer Map Filters

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Protocol analysis with the classic '3 pane' decode screen
Top Pane gives summary information for all Captured Frames, with Time Stamp, Source/Destination address, protocol, and brief description

Middle Pane shows structured decode of each layer of the Frame. Individual protocol layers can be Expanded or Contracted, and can be user colour coded.

Bottom Pane shows frame data in Hex/Ascii format, with high-lighted data synchronised to middle panel.

Individual panes can be turned on or off (Summary/Decode/Hex.)

Multiple decode windows can be opened simultaneously for low level examination of all packets surrounding a problem

Wan Protocol Decodes

TCP/IP and suites

Frame Relay

Frame Relay - LMI (Local Management Interface)

PPP - Point to Point Protocol

PPP - LCP (Link Control Protocol)

X.25 Frame and Packet Layers 2 & 3

ISDN Basic Rate Q.921 and Q.931

Filters

by Mac or IP Address (Source and/or Destination)

by Protocol, ie UDP only

by Port, ie by POP only

by Hex or Ascii String

or a combination of the above

Wan Filters:

DLCI address

PPP Frame Type

X.25 Frame and Packet Type, etc.

Features

Nodes - List all active nodes by Mac or IP Address

Protocol Distribution

Frame Size distribution, Graphic or Numeric

History - Line Utilisation & by bytes or packets/second

Statistics by Address and by Conversation

Top Users by Frames and Bytes Sent/Received

Peer Map - Graphical Visualisation of network Conversations by Mac or IP

Capture Data to Disk

Single or Continuous Wrap Capture

Specify available Disk Space for Capture

Save All or Selected packets to disk

Save Packets as EtherPeek format

or as CSV, TXT, RTF or HTML files

or as NAI Sniffer format files

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