



ISDN BASIC RATE PROTOCOL ANALYSER

analysis, statistics, decoding, performance, management
 ISDN Basic Rate, B1, B2 and D channels, Bridge / Router, ISP, etc.

ISDN Basic Rate 'D' channel (Call Set up) packet decode:

Time Stamped packets tell you exactly how long a Call has been open

Q.921 - Level 2 Frame Information (collapsible layer within the decode)

SAPI - Service Access Point Identifier, TEI - Terminal Endpoint Identifier, C/R bit
 Frame Type and N(R) and N(S) sequence numbers (where applicable)

Q.931 - Level 3 Packet Information (collapsible layer within the decode)

All Frame Types, Message Types, and Information Elements
 including Call Establishment and Call Clearing,

Screenshot below shows a decoded Call SETUP Frame, showing Bearer Requirements, Call Numbers, etc.
 and a separate Decode window showing CONNECT response with Time/Date fields

Filters: Filter on Q.921 or Q.931 frames only, individual Frame types, Call Numbers, etc.
 Hex and Ascii strings, etc

The screenshot displays the Logix ISDN Basic Rate Protocol Analyser interface. The top window shows a list of packets with columns for Packet, Source, Size, Absolute Time, Delta Time, Cumulative Bytes, and Filter. Packet 23 is selected, and its details are shown in the main window. It is a Q.921 Level 2 Frame containing a Q.931 Level 3 Information Transfer (SETUP). The details include SAPI (0), TEI (104), Information Frame, Sequence (0x00), Protocol Discriminator (0x08), Call Reference length (0x01), Call Reference value (0x3A), Message Type (0x05), Information Element (0xA1), Bearer Capability (0x04), Channel Identification (0x18), and Information Element (0x70). A separate window shows packet 26, which is a Q.921 Level 2 Frame containing a Q.931 Level 3 Information Transfer (CONNECT). The details include SAPI (0), TEI (104), Information Frame, Sequence (0x04), Protocol Discriminator (0x08), Call Reference length (0x01), Call Reference value (0xBA), Message Type (0x07), Information Element (0x29), Year (2002), Month/Day (April 22), and Hour/Minute (12:56).

ISDN Basic Rate 'B' channel

Bearer data channel packet decode:

- Wan Origin - dte or dce data stream
- PPP Header - data carrying IP
- IP Header - protocol layer collapsed
- TCP Header - protocol layer collapsed
- HTTP layer - decoded showing all fields
 in this case datagram Command = GET

Filters: Filter on IP Addresses, TCP Ports, etc.
 Hex and Ascii strings, etc.

The screenshot displays the Logix ISDN Basic Rate Protocol Analyser interface. The top window shows a list of packets with columns for Packet, Source, Size, Absolute Time, Delta Time, Cumulative Bytes, and Filter. Packet 191 is selected, and its details are shown in the main window. It is a Q.921 Level 2 Frame containing a Q.931 Level 3 Information Transfer (CONNECT). The details include SAPI (0), TEI (104), Information Frame, Sequence (0x04), Protocol Discriminator (0x08), Call Reference length (0x01), Call Reference value (0xBA), Message Type (0x07), Information Element (0x29), Year (2002), Month/Day (April 22), and Hour/Minute (12:56). A separate window shows the decoded HTTP layer, displaying the Command (GET), URI (/us.yimg.com/a/ne/netstock_direct/120x600_green.gif), Version (HTTP/1.1), Accept (*/*), Referer (http://geocities.com/tonh888/), Accept-Language (en-us), Accept-Encoding (gzip, deflate), User-Agent (Mozilla/4.0), and Host (us.al.yimg.com).