

Web-based GUI
with Multi-User Support

Take any two
captures and place them
side-by-side for call tracing

Upload Wireshark and
PCM traces via files and/ or
folders in native or zip format

Record PCM traffic over PRI lines

IP Fax Analysis

T.38 Version 0, 1, 2 and 3

Full T.30 decodes of all signals

Jitter buffer parameter for error analysis

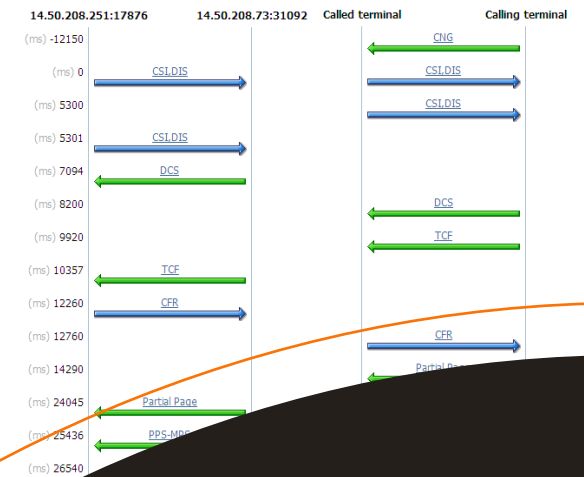
Fax pass-through (G.711) support

PCM Fax Analysis

V.34 hdx, V.17, V.29, V.27, V.21, T.30, T4/T6

Upload g.711ulaw/ alaw,
16-bit linear formats (Motorola MSB, Intel LSB)

Ability to decode from a single call trace file
containing both the Tx and Rx legs mixed



Fax Monitor and Analyzer



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IN-DEPTH FAX ANALYSIS

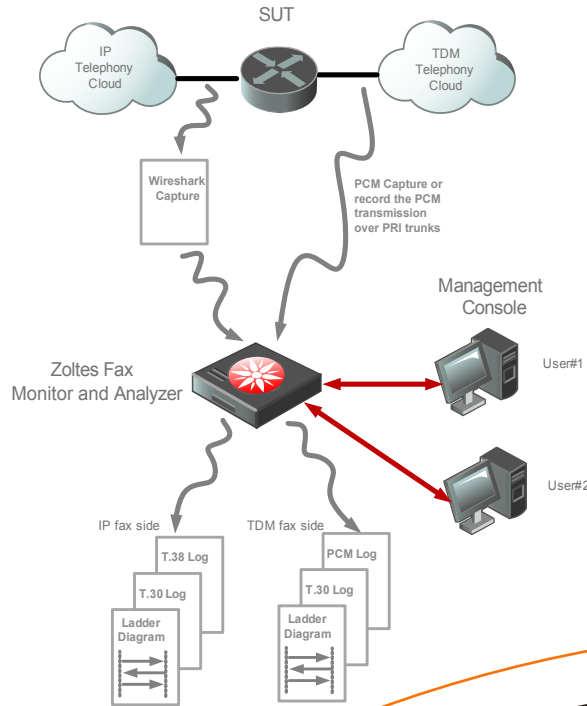
Zoltes Fax Monitor and Analyzer decodes and breaks down the legacy PCM and IP fax call captures generating logs and ladder diagrams with expert analysis details based on user-defined analysis criteria.

Fax Monitor and Analyzer takes as input the Wireshark/ PCM captures and/ or the PCM files recorded directly from the PRI lines, demodulates the raw data, and presents the decoded data by suggestive ladder diagrams.

Fax Monitor Analyzer can be used during the development and deployment phases of the products that support fax transmissions.

KEY FEATURES

- > Provide offline demodulation and analysis of Fax transmissions over TDM and IP networks
- > Super G3 fax support
- > Capture directly the PCM traffic over the PRI lines
- > Multi-user support via WEB Management Console
- > User defined analysis criteria
- > BCD and Image decoding
- > Mixed Fax-over-IP using T.38/G.711 and Fax-over-PSTN side-by-side Analysis
- > Time synchronization performed on multiple call legs
- > Batch processing of PCM and IP captures
- > In-depth diagnosis of fax sessions to solve interoperability issues



BENEFITS

- > Provide detailed G3, Super G3 and T.38/ G.711 fax analysis with V.34 support
- > Help pinpointing the fax transmission protocol violations with suggestive ladder diagrams and message flow details
- > Perform cross analysis of IP and TDM networks
- > Diagnose physical and network layer problems

SPECIFICATIONS

Fax Capabilities

- > ITU-T V.34 hdx, V.17, V.29, V.27ter, V.21 ch 2 for Fax Group 3
- > ITU-T T.4, ITU-T T.6, JPEG images supported
- > ITU-T.38 Version 0, 1, 2 and 3

T.30/ T.38 Analysis Parameters

- > T.38 Redundancy
- > Fax Signal Flow
- > Fax Probing
- > Image Quality
- > BCD Decoding

Analysis Results

- > Session Summary
- > Ladder Diagram with fax signal flow and in-depth diagnosis information
- > Timestamps for each T.30 fax signal/ T.38 UDPTL packet
- > T.30 frames – raw data and BCD decoded
- > Decoded Facsimile image(s) exchanged between the fax terminals
- > The list of T.38 UDPTL packets corresponding to each T.30 signal
- > T.38 decoded information