Cell phone
Printer
Alarm system
CNC machine
TV speaker
Datacenter
Wi-Fi
Server
Phone system
Sensor
Switch
Router
Cloud service

Allegro Packets
Network Multimeter

Real-time network statistics
immediately after installation

Comprehensive analyses
go a long way back in time

Easy pcap extraction
with the desired packages

About us

- Allegro Packets (Founded 2014)

- German based, head office in Leipzig

- Manufacturer of Allegro Network Multimeter

- Specialized IT/OT network troubleshooting & performance optimization equipment

- EU-based Development & Support

- MD's: Katrin Pflugfelder and Klaus Degner

Common IT/OT Challenges

- Who and what is traversing my networks?
- Do we have any quality or performance issues?
- Is it the network, server, client or application?
- Are QoS, Vlans and Firewalls working as expected?
- What happened just before problem/downtime?
- How can I troubleshoot specific IT/OT protocol behavior?
- Can we significantly reduce time spent in Wireshark?
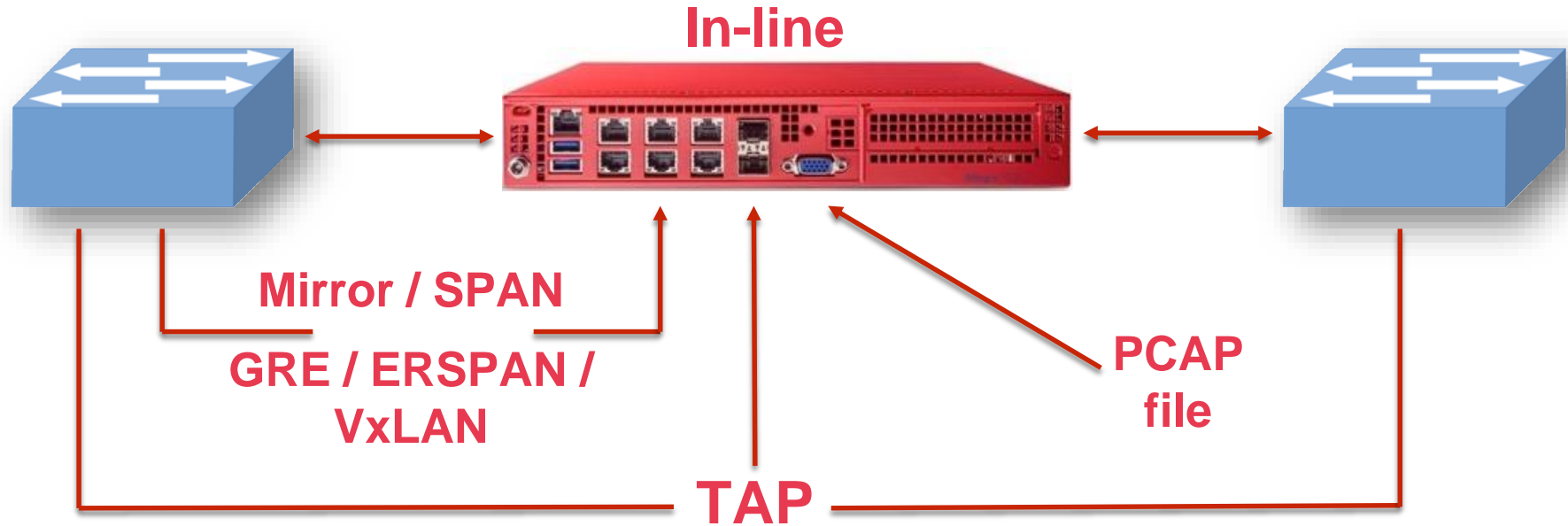
Network visibility is required.

Finding the needle in this haystack?
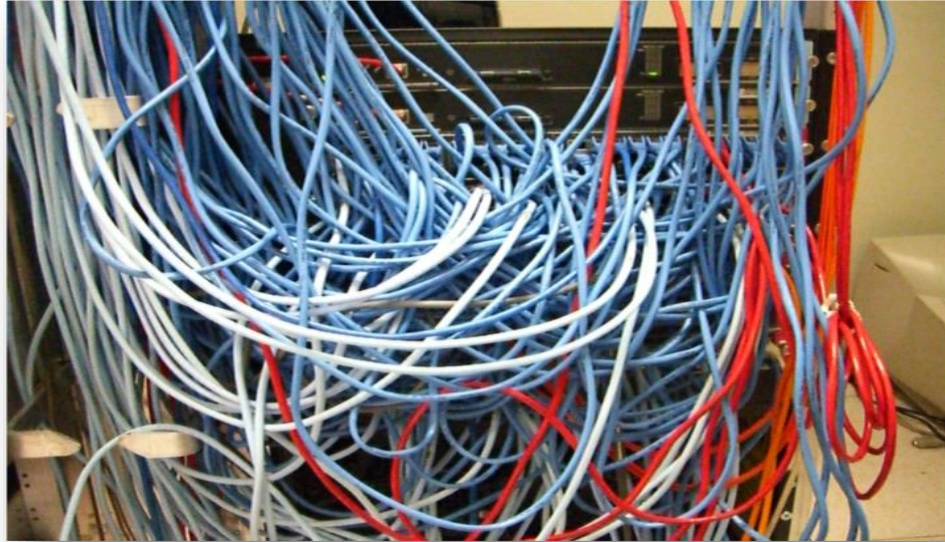
Network visibility is required.

Network Visibility
Traffic-processing setups

In-line

Mirror / SPAN

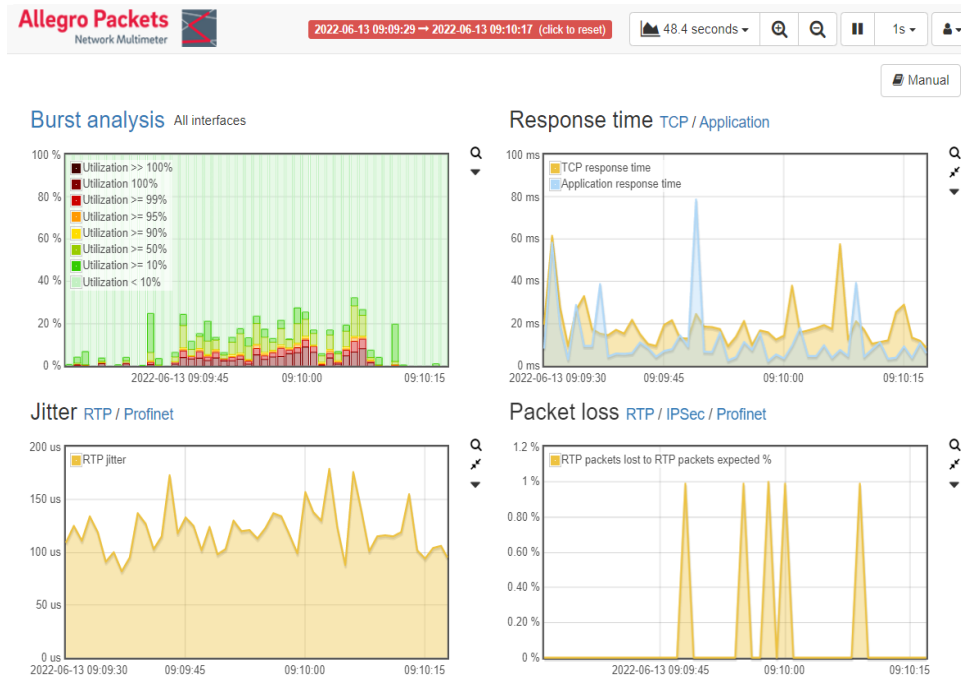**GRE / ERSPAN / VxLAN**

PCAP file

TAP

Network Analysis & Troubleshooting
High performance In-Memory Database

In-Memory Database (RAM)

- Traffic Metadata
- Traffic Statistics
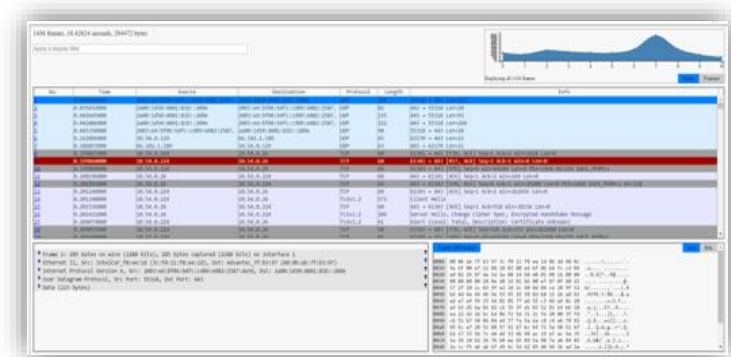- Presented in web-interface
- FAST!
- 1 ms graph resolution

Network Analysis & Troubleshooting
Packet Ring Buffer

Packet Ring Buffer
- Storage device HDD/SSD
- Network traffic recording
- For traffic replay
- For selective pcap extract

Time stamp accuracy (relative / inter-packet)	Time stamp accuracy (absolute / to clock)
PTP-clock = < 20 µS	PTP-clock = < 1 mS
GPS-card = < 10 nS	GPS-card = < 100 nS

GPS-card available as option for ANM models 1000 and up

Allegro Network Multimeter
IT/OT Troubleshooting made easy

- Product range **1G Portables up to 200G rack-mounts**

- Passive **packet-based visibility** into IT/OT networks

- Multi-Port / Multi-Point analysis

- Fast troubleshooting in Live traffic & Pcap files

- Millisecond display of **L2 - L7 statistics and data**

- Easily get to **pre-filtered PCAPs** for last-Mile analysis

- Pro-ACTIVE development & support

- Customer FIRST mentality

PROFINET   IEC 104   OPC-UA
Standard on all Allegro Network Multimeters

Leading Manufacturer of Industrial Switches

- Analysis tool for equipment/scenario testing

- Results processing via REST-API (automation)

- Context at time of PNIO alarms, …

- Easily get to pre-filtered packets of interest

- Easy troubleshooting large (customer) PCAP-files

Reference customers
of Allegro Packets

Thank you - Come visit our stand ☺

Allegro Packets — Network Multimeter

Fockestraße 6
04275 Leipzig, Germany

info@allegro-packets.com
+ 49 341 59 16 43 53
www.allegro-packets.com

heynen

Heynen is acting value adding partner for Allegro Packets in the Benelux.

Product specialist / account manager:
joris.schreurs@heynen.be
www.heynen.com

CINI4.0 Conference Day 2022 - 16/06, Gent

cornet