



Meinberg Funkuhren

Lange Wand 9

31812 Bad Pyrmont, Germany

Phone: +49 (5281) 9309-0

Fax: +49 (5281) 9309-30

<https://www.meinbergglobal.com>

info@meinberg.de

PTP Track Hound v2: IEEE 1588 / PTP Debugging & Monitoring

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PTP Track Hound v2 is the industry-leading solution for the monitoring, diagnosis, and optimization of PTP clock networks, with groundbreaking new features for remote monitoring and management. PTP clocks are smartly grouped into scopes to help easily understand clock relationships, while byte-by-byte analysis, remote notifications, and a comprehensive REST API for management and queries over HTTP and HTTPS provides power users with the power tools they need to maintain absolute control over their PTP infrastructure.

Key Features

- Wide Range of Functions - including: Capture & Analysis of PTP Network Traffic Decoding of PTP-Specific Message Data Detection of PTP-Capable Devices Generation of PTP Management Messages
- Available Interfaces: Modern Web Interface Event Notifications via SNMP, e-mail or Syslog Comprehensive REST API Continuous Multi-Site Monitoring

Description

Capture & Analysis of PTP Network Traffic

PTP Track Hound captures PTPv1, PTPv2 and PTPv2.1 network traffic on the configured adapters, using the main memory (RAM) for temporary storage. It is also possible to dump all captured packets to a persistent capture file, which can then be downloaded via the Web Interface.

Decoding of PTP-Specific Message Data

PTP Track Hound automatically decodes PTP-specific message data and the most commonly used TLVs. It uses this data for internal analysis and evaluation and displays it in human-readable format, providing a detailed insight via the Web Interface into the data in the packets.

Detection of PTP-Capable Devices

PTP Devices in the network are automatically detected and grouped into scopes for easy identification of clock relationships.

Generation of PTP Management Messages

PTP Track Hound can be configured to periodically send out PTP Management Messages to request common PTP datasets from instances within the monitored network(s).

Modern Web Interface

While PTP Track Hound v1 was a monolithic application that was unable to capture PTP traffic without the graphical user interface running, PTP Track Hound v2 comes with an integrated web server and a modern, feature-rich Web Interface accessible via HTTP or HTTPS that can run independently of the capture service running in the background.

Event Notifications via SNMP, e-mail or Syslog

PTP Track Hound v2 can send out event notifications as SNMP traps, e-mails (sent via SMTP), or syslog messages when predefined or highly customizable event conditions are triggered. This allows the software to be used as the central monitoring hub for timing-critical infrastructure.

Comprehensive REST API

For advanced infrastructure monitoring, PTP Track Hound v2 offers a comprehensive REST API that allows practically every parameter shown in the Web Interface - and even some not available via the WebUI - to be returned in JSON format by means of HTTP or HTTPS calls.

Continuous Multi-Site Monitoring

PTP Track Hound v2 enables multiple independent capture services to be run concurrently in different networks or different segments of a network, and to forward captured sync traffic to one or more data collection instances.

You can get more information on the PTP Track Hound v2 page.

Licensing PTP Track Hound v2 will be available with four different single-user license levels: Free, Capture, Basic and Professional. Check the table below to find out which features are available in PTP Track Hound v1 and which extra features PTP Track Hound v2 provides at each license level.

License Overview

v1 Free Capture Basic Professional

Available for Windows, Linux and macOS

PTP Track Hound is available for the three most commonly used operating systems



Dedicated Capture Service

Continuous sync packet capture which can be set up to run automatically in the background on system startup





Integration into native Service Management of OS

Can be installed to and managed by the service manager of the operating system



Modern Web Interface

Configuration and operation via modern Web Interface (HTTP/HTTPS)





(access from local device only)



Network Segmentation Support

Each network interface and each remote capture instance can be assigned to separate segments, allowing for per-segment capture analysis





User-defined Terminology

Use terms like `timeTransmitter` and `timeReceiver`, or any other terms you prefer, instead of the default PTP port state notations



Dashcam Mode

Automated event-driven recording of PTP traffic allowing analysis of problems at any given moment in time





Multi-site Monitoring

Run PTP Track Hound at multiple locations and forward captured sync traffic to one or more central PTP Track Hound Professional instance(s)



(traffic forwarding only)



(traffic forwarding only)



PTP Management Messages

Periodically send out PTP management messages to request common PTP datasets from PTP capable devices within the monitored network(s)



NetSync Monitor (NSM)

Actively measure the offset and path delay of network nodes using the Meinberg NetSync Monitor (a.k.a. Reverse PTP) mechanism





Capture Time Offsets (CTO)

Measure and store the offset between timestamps of incoming Sync and Follow Up Messages and the corresponding local capture timestamp of the Sync Message





Extensive Event Notifications

Send out notifications via SNMP traps, e-mail (SMTP) or syslog messages when predefined or highly customizable event conditions are triggered



REST API

Acquire all of the data provided in the Web Interface via REST API (HTTP/HTTPS)





Download PTP Track Hound
Use for Free

Request a Quotation

Characteristics

Operating System	PTP Track Hound 2 can be run on a desktop or server PC running Windows, Linux, or macOS.
Network Protocols	PTP Track Hound v2 comes with an integrated web server and a modern, feature-rich Web Interface accessible via HTTP or HTTPS.
Configuration	A modern web interface and a comprehensive REST API are available.

Manual

The English manual is available as a PDF file: [2][Download \(PDF\)](https://www.meinbergglobal.com/download/docs/manuals/english/ptp_track-hound-v2.pdf)

Links:

[1] <https://www.ptptrackhound.com>

[2] https://www.meinbergglobal.com/download/docs/manuals/english/ptp_track-hound-v2.pdf