The Leading Infrastructure and Market Data Provider to the Global Capital Markets

Atlas**Insight**

Powered by
PACKETS2DISK

65+ Data Center Locations   **200+** Exchanges Worldwide   **80+** Vendor Partners   **14+** Years of SOC Compliance

Business Level Insight, Beyond Network Analytics

Experience AtlasInsight: Unrivaled Visibility into Market Data Capture and Analytics. Designed for financial institutions, AtlasInsight, powered by Packets2Disk, delivers real-time and historical insights into trading networks. With high-performance capture, decoding, and analytics, it enables precise monitoring and rapid issue resolution - setting a new benchmark for speed, accuracy and reliability while boosting customer satisfaction through faster resolutions and smarter insights. AtlasInsight is available as a standalone appliance or as a software subscription, deployable in both physical and cloud environments.

Key Capabilities and Components

Trade Analytics
(Latency, Tick to Trade)

Microburst
Analysis

Trade and MD
Protocol Decode

TCP Flow
Analysis

Application Layer Alerting
& Monitoring

High Fidelity Packet
Capture

Options 24/7 Global
Support Coverage

Benefits of AtlasInsight

- Rapid identification of network or data issues with ability to drill down to the sub microsecond, per packet data
- Alert on volume surges, micro-bursts, TCP errors, & rogue traffic flows
- Easy access to PCAP data to support findings & share evidence
- Visibility into Market Data streams & detection of key events as standard (e.g., drops, resets, out-of-order messages)
- Real-time monitoring of latency from Market Data sources & side-by-side performance comparison of A and B feeds
- Detailed latency, volume, and TCP statistics for every trading flow
- Complete decoding of trading messages with ability to add bespoke latency calculations
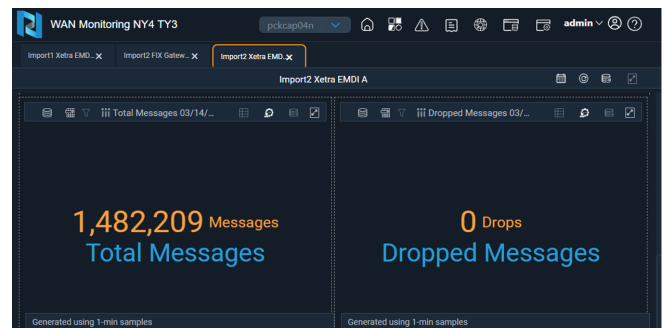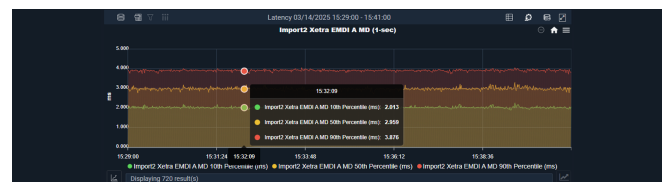

Actionable, Usuable Data
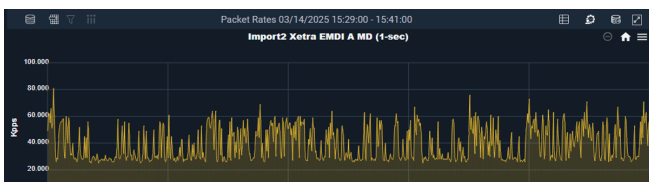
- All captured data and metrics are easily accessible and exportable for internal analytics or regulatory use
- Nanosecond timestamp accuracy provides a precise, independent record of trading activity
- Supports all major financial markets, with an in-built API for custom decodes tailored to your needs

Unmatched Performance

- Sustains lossless 200 Gbps at line rate
- Capture rates and processes 300+ billion messages/day on a single box
- Optimised to fully leverage multi-core architectures for peak performance
- Architected to isolate and protect core capture service
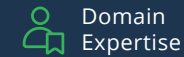- Fully software-based: no proprietary hardware, no vendor lock-in

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Reduced TCO

Drive Client Satisfaction
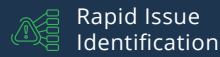
Rapid Issue Identification

Risk & Compliance

Visibility

Domain Expertise
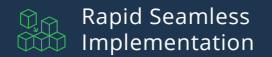
Rapid Seamless Implementation

Exchanges

Trading Venues

Risk Gateway

Smart Order Router

Trading App / OMS / EMS

Options Global Colo Sites

Client
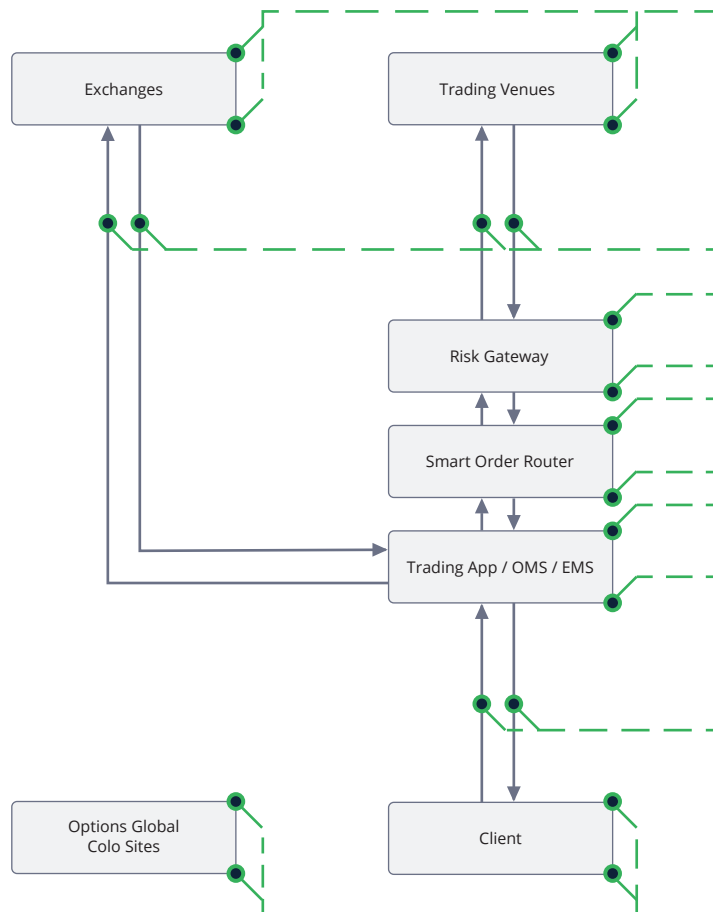
● Capture Points (Passive Tap & Application Timestamp)

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Modules

Market Data Analytics
Gap detection, errors, A-B feed latency.

Trading Analytics
Order Entry Latency measurements, Tick-to-trade, trade-to-tick.

Packet Decoder
Decodes for all major market financial protocols (FIX, ITCH, OUCH etc).

Network Analytics
Utilisation and Microburst detection, TCP errors.

Packet Capture
Up to 200Gb/s lossless capture, pcap storage and retrieval.

Functions

Analytics Engine

Alerting Engine

Storage Platform

Decode Engine

Export Plugins

Features

GUI
Gap detection, errors, A-B feed latency.

High Level Reporting & Charting
Provide metrics & status at a glance.

Streamed Alerts
Proprietary or industry standard monitoring platforms.

Stream to TSDB
Time stamped, Decoded messages to TSDB (eg KDB+).

Raw Data Storage
Raw data files stored in PCAP.

PURE Storage
Next generation high performance & virtually unlimited storage capability.

Users

Network Ops
Trouble shooting, evidence provision, alerting.

Market Data Ops
Gap detection, Latency anomaly detection, Microburst and message rate monitoring.

Trade Support
Client support, dispute resolution, SLA monitoring, TCP error detection, percentiles.

Business / Compliance
Full timestamped record of all transaction. Full decodes of Market Data for analytics.

Benefits

Hardware Agnostic   **Flexible Query Logic**   **Easily Deployed & Configured**   **Rest API**   **API Enabled**   **Scalable**