Axellio PacketXpress & Packets2Disk
100 Gbps Trading Surveillance & Market Data Analysis Hub

**Empowering the financial industry to ensure performance, regulatory compliance,
real-time and historical trading and market data analytics
through high-performance, 100 Gbps no-loss traffic capture, distribution, and in-depth analytics.**
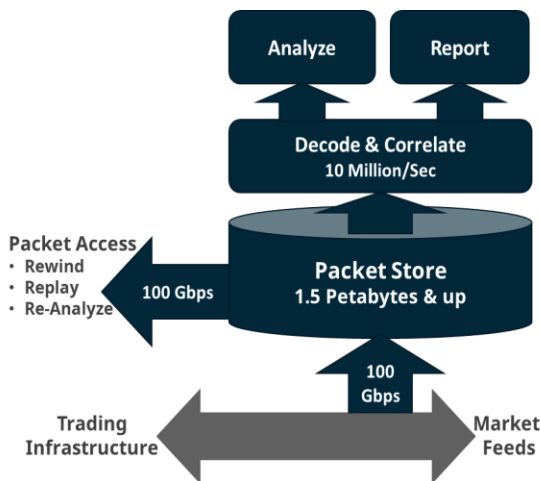
Data Loss Is Not An Option When Millions Are At Risk

Financial organizations including exchanges, brokers, and infrastructure providers face ever-increasing trading volumes and regulatory requirements, making infrastructure performance more critical than ever. This strains existing market monitoring infrastructure which must decode and correlate millions of messages per second to reliably recreate financial transactions for analysis, problem resolution, and compliance.

Financial Trading Surveillance & Market Data Solutions for

- Brokers
- National & Global Exchanges
- Financial Infrastructure Providers

100 Gbps Trading & Market Data Intelligence Hub

Axellio® and Packets2Disk provide a complete solution capable of capturing traffic at 100 Gbps with no loss at nano-second accuracy, decoding and correlating 10 million transactions per second, storing both packet and analysis data for detailed historical and real-time analysis and reporting.

Our solution makes an entire trading day traffic available at high speed from disk at up to 100 Gbps. And streaming the timestamped traffic directly from the disk to your existing analysis infrastructure protects you from data loss due to traffic spikes.

In addition, extensive reporting capabilities provide trading and market data in real-time through interactive, customizable dashboards and regulatory compliance reporting.

Our solution is in active deployment by Fortune 500 exchange companies around the globe.

AXELLIO

PacketXpress® Network Visibility Hub

Axellio's PacketXpress is a high-density, high-performance storage and analysis platform that provides sustained, no-loss capture up to 100 Gbps via various high-speed ethernet interfaces. It can also provide sustained 100 Gbps real-time data analysis and traffic distribution from disk to other onboard or offboard analysis applications without impacting capture performance. The unique capability of simultaneous, high-speed read and write at high intake speed with no impact on the capture performance allows for reliable analysis. Furthermore, rather than requiring racks of equipment, PacketXpress is a single box, 2U solution.

High Performance Capture and Analytics for Financial Markets

- **100 Gbps** sustained, no-loss capture to disk
- **100 Gbps** data read-access and distribution from disk
- **10 Million** per second trading and analytics performance
- **1.5 Petabyte s**torage raw, 2X with compression
- **Superior price-performance** in a small, 2U formfactor

Packets2Disk is a UK-based financial trading analysis company that provides powerful analysis software for decoding, storing, and analyzing financial trading and market data. In addition, Packets2Disk enables monitoring, analysis, and alerting of trading data for a detailed breakdown of latency by message (network and system) and other statistics.

Packets2Disk software is operating on almost 100 PacketXpress compute cores, decoding all messages, calculating latencies in real-time, and storing messages and associated metrics in an easily accessible database.

The P2D Analytics Engine also enables more complex latency calculations (tick-to-trade, trade-to-tick, etc.) to be configured via the user interface, using the most flexible selection and manipulation of message fields. It also supports major trading and market data protocols to give you complete visibility of the trading environment.

P2D Analytics provides a flexible solution that can be used throughout the financial trading ecosystem and is used worldwide by exchanges, brokers, traders, or those responsible for financial network management.
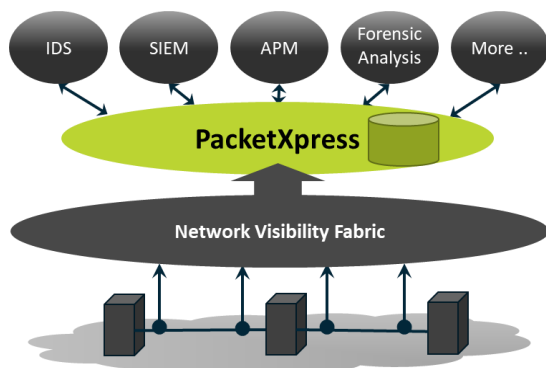
High Performance Capture and Analytics for Financial Markets

- Decode packets and enrich with reference data and analytics for all major market and trading data protocols
- In-depth analysis and reporting of complex performance metrics
- API access to all analytics, trading and market data messages, and the underlying packets
- Multiple export data formats to integrate with your existing infrastructure
- Visualize, configure, and manage via an intuitive, customizable user interface

Outcomes – Accurate Results for Critical Insights

✓ Identify and reduce risk of service and trading data quality issues and outages

✓ Reduce mean-time-to-repair (MTTR) and reduce downtimes

✓ Optimize latency across the entire infrastructure

✓ Ensure the quality and accuracy of data feeds for detailed analytics and performance improvements

✓ Ensure compliance and reduce regulatory risks with accurate data for every transaction

✓ Ensure SLA compliance for your services and those of your service providers

✓ Validate trading systems changes by testing them with known, real-live data before going into production.

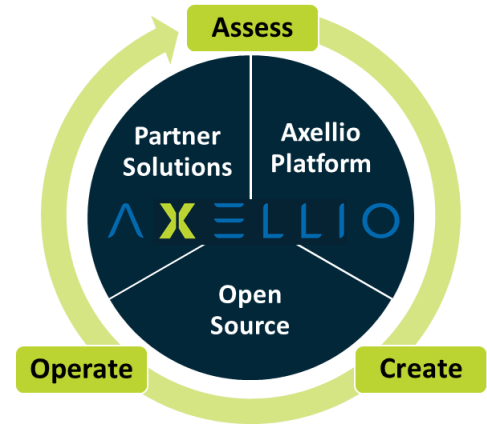## **PacketXpress – Integrated Financial, Trading, and Security Surveillance**

PacketXpress® is an application-agnostic, open platform that provides many APIs to integrate with your current solutions, avoiding costly and complex upgrades.

Therefore, PacketXpress can also monitor your traffic for security threat detection and response and leverage your existing monitoring infrastructure, whether it operates on physical or virtual platforms. Axellio offers vertically integrated, end-to-end finance and security solutions and professional services for a comprehensive portfolio designed for security workflow efficiency and cost-effectiveness optimized for your team, environment, and security objectives.

Tailored for your Environment

Axellio's and Packets2Disk's solution scales to your environment and responds to your financial analysis requirements, combining ultimate flexibility and openness in a cost-effective, easy to deploy, industry-proven solution.

Benefit from the message data already on your network, and make it easy to access, understand, and report on this data. We provide the most wide-ranging and timely business information by monitoring real network traffic as it passes between business and client, from server to server, and through the whole network infrastructure.

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