# Axellio – Innovating
Network Security Monitoring & Analysis

Axellio is an innovator in network intelligence platforms, closing the security visibility gap for any network security application and reducing risk and security infrastructure costs, while increasing operational effectiveness. Axellio PacketXpress® is a universal platform for high-performance, 100 Gbps no-loss network traffic capture, storage, and distribution, improving the accuracy, effectiveness, and operational cost of your existing network and security monitoring infrastructure.
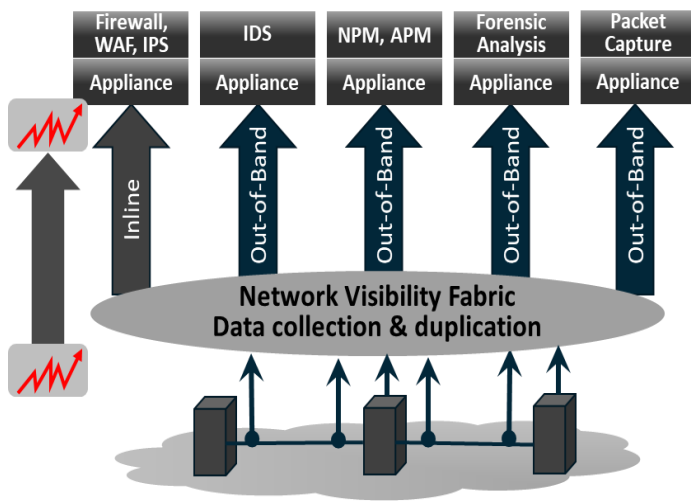
## Today's Approach – Costly Data Overload

Large security operations teams typically have over 50 security monitoring and analysis applications, creating a costly and complex infrastructure that still leaves them with insufficient information for quick incidents response:

- A hardware-intensive approach - each analysis application requires a dedicated, often proprietary hardware appliance to analyze traffic in real-time.

- Traffic duplicated and distributed to each application requires each analysis application to be designed for peak traffic rates to avoid information loss.

- Getting to the root cause of an event is complex and time-consuming as metadata (events, alarms, logs) provide insufficient detail and are difficult to correlate.

Axellio PacketXpress - the Network Intelligence Platform

Axellio PacketXpress is an application-agnostic, open platform. It provides many APIs that integrate with any traffic monitoring and analysis solution. PacketXpress captures, stores, and forwards traffic only once - for your entire traffic monitoring infrastructure. It enables you to:

- Virtualize your analysis applications, resulting in less hardware and the ability to spin-up additional virtual instances as needed.

- Distribute traffic via standard APIs with no special hardware needed. This allows you to control the packet flow to each application individually at rates the application can reliably consume, avoiding data loss.

- License analysis applications for average instead of peak traffic rates as traffic is buffered with the original capture timestamp and never lost.

- Access all packets anytime for pre- and post-event analysis, integrated into your applications workflow.
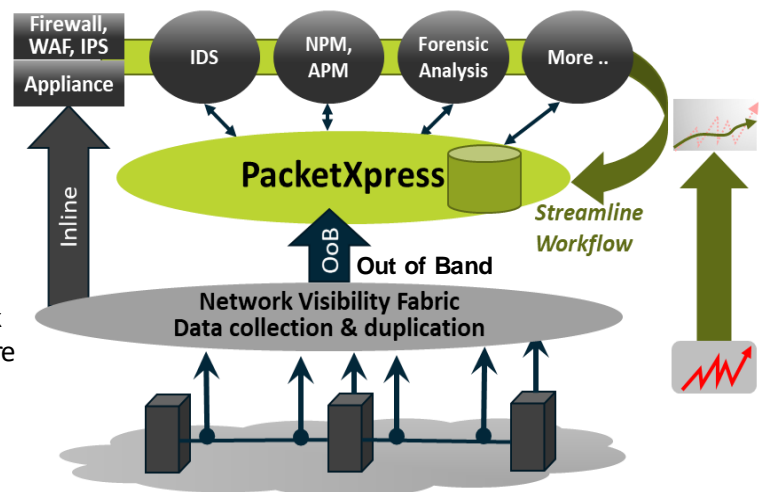
An Innovative Approach

PacketXpress provides reliable packet capture, analysis, and distribution in an economical formfactor:

- **Sustained 100 Gbps** for simultaneous no-loss capture and distribution, with intake rates scalable to your monitoring requirements and deployment approach.

- **Always-on, long-term on-disk-storage** for days, weeks, or months - scalable up to 730TB onboard storage in a single appliance, double when compression is enabled.

- **Adaptive traffic distribution** - Up to 100 Gbps simultaneous traffic distribution to your existing monitoring and analysis ecosystem, with rate control. This allows for traffic buffering for any onboard and offboard analysis application to ensure reliable no-loss, real-time analysis that keeps up with traffic growth.

- **Unprecedented density** in an economical, small formfactor — 1 to 2U high - for installation in any Industry Standard Rack.
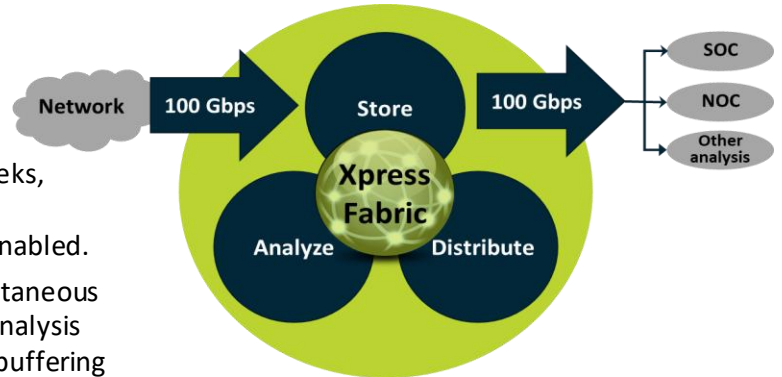
Reducing Risks & Expenses

Solutions enhanced with PacketXpress provide unique capabilities that result in tangible risk and cost reductions. **Depending on the environment, 30% to 80% cost reduction can be achieved:**

Risk Reduction	Cost Reduction
• Improve productivity and reduce Mean-Time-to-Detect (MTTD) and Mean-Time-to-Repair (MTTR) • Provide immutable evidence — immediate access to any pre- and post-event information • Validate mitigation - Ensure that mitigations are effective • Disseminate knowledge faster across all levels of the organization	• Extend the life cycle of your monitoring infrastructure and delay expensive upgrades • Virtualize your analysis applications or operate on less costly servers, avoiding costly proprietary analysis hardware • Simplify your network visibility fabric and reduce cost and complexity

HQ: Colorado Springs, CO

Background:
20 years of innovating high-performance storage solutions

Target Market:
Defense, Intelligence, Commercial Enterprise

Applications:
- Cyber security threat detection and response
- Financial trading & market data analysis

Product:

- **PacketXpress®** - an application-agnostic, open platform for high-speed traffic collection, recording, and analysis

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