# AXELLIO

# Innovation in Network Intelligence

Axellio is an innovator in network intelligence platforms for the Department of Defense, the Intelligence Community, and global security operations. With its 20 years of experience in high-speed, high-volume storage, Axellio leverages the latest storage and server architecture technologies for its innovative network intelligence platform, PacketXpress®. PacketXpress captures, stores, analyzes, and distributes all network traffic in an extremely small footprint at over 100 Gbps with no loss, and is designed to enhance the performance, efficiency, and accuracy of your existing security analysis applications.

## Today's Network Security Monitoring – Complex, Costly, Ineffective

Network visibility across the network perimeter and core is critical when advanced threat actors circumvent traditional perimeter and endpoint protection and loiter for months inside your environment undetected. Security teams are challenged to quickly triage, prioritize, and resolve threats due to the complexity and information overload that today's security monitoring systems create. Therefore, network traffic monitoring is often limited to ingress- and egress-points. The remainder of the infrastructure is only monitored using a more limited metadata approach, relying on event logs and traffic flow data from infrastructure devices. This approach, even though effective to detect threats, is often insufficient to analyze threats for quick response.

## Axellio PacketXpress - the Network Intelligence Platform

Axellio has developed a unique approach to network traffic capture and distribution to benefit all your security analysis applications. Combining the benefits of network packet recorder and packet brokers, PacketXpress provides a high-speed, application-agnostic, open platform for packet capture, storage, analysis, and distribution in an extremely small footprint. It enables you to:
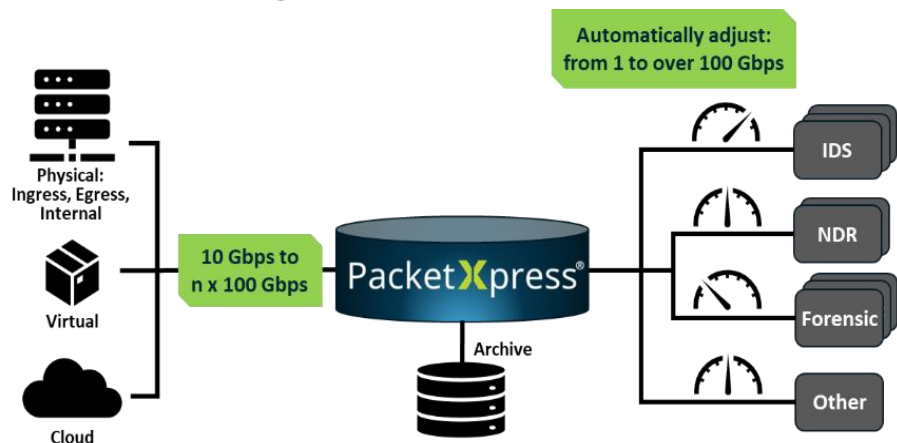


- **Collect anywhere at any speed** – from physical, virtual, to cloud networks with no loss from 10 Gbps to well over 100 Gbps sustained for simultaneous data ingest, recording, and distribution.
- **Adaptive traffic distribution to any analysis application** – software APIs distribute traffic at controlled application consumable rates with no loss, enhancing analysis accuracy and reliability. It enables you to rewind, replay, and re-analyze for repeated in-depth analysis and mitigation validation.

- **Universal, scalable platform for any application** – from mobile to multi-rack data center configurations, PacketXpress delivers expandable capture and storage on customizable but common-off-the-shelf (COTS) hardware in a dense footprint – from 1U and up.

## PacketXpress - an Innovative Approach

PacketXpress integrates leading-edge server and storage technologies and a patent pending file system for a diverse set of use cases and analysis applications. PacketXpress provides the industry's highest sustained performance in the smallest footprint:
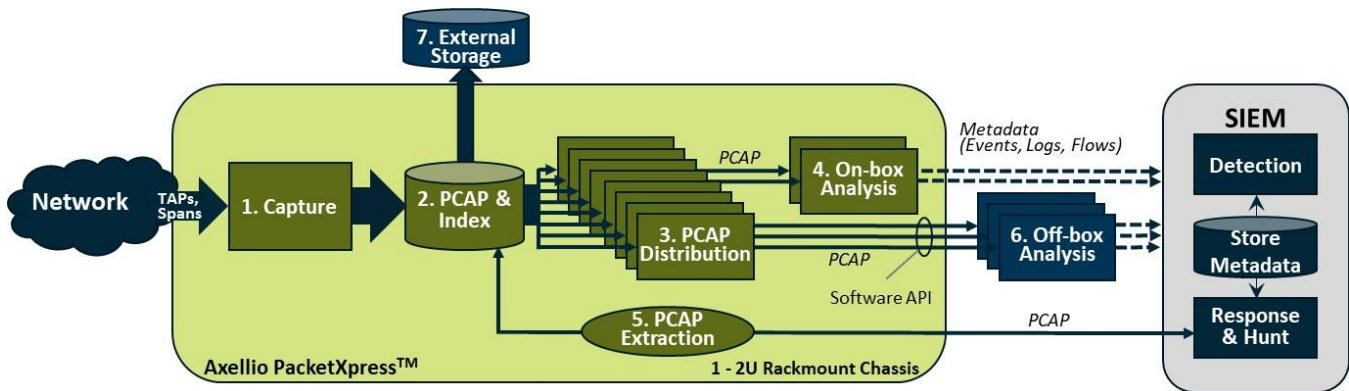


- **High-speed capture & recording** – from 10 Gbps to multiple 100 Gbps without losing a packet.
- **Scalable storage** – simultaneous read and write at over 100 Gbps with scalable on-disk-storage and with external offload capabilities.
- **Adaptive traffic distribution** – content- and rate-controlled traffic distribution directly from disk at over 100 Gbps without impacting intake performance to on- or off-box analysis applications. Standard software APIs automatically adjust traffic to rates the analysis applications can reliably consume, avoiding overload situations and minimizing licensing costs.
- **Analysis application agnostic** – software-based, hardware-agnostic access to packets anytime for any event, without the need to pre-define indexing prior to capture.
- **Scalable and economical** – Small, 1U form factor reducing Size, Weight, and Power (SWaP) for mobile deployment while scaling to multi-rack data center applications delivered on COTS technology to reduce maintenance and procurement costs.

## 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 in several ways:

- **Closes the visibility gap and extends beyond metadata** – extend network visibility and get immediate access to any pre- and post-event packet data while increasing analysis accuracy.
- **Increases operational effectiveness for rapid and informed decisions** – fast access to all pre- and post-event packet data for all events, anytime, anywhere with local and remote access.
- **Reduces total cost of ownership & complexity** – centralizes hardware intensive traffic capture and processing to reduce hardware sensor proliferation and complexity. Controls traffic rates to all analysis applications to avoid licensing for peak traffic rates and to efficiently manage traffic growth.

**AXELLIO**

**Founded:**
2018, US owned and operated

**HQ:** Colorado Springs, CO, USA

**Background:**
20 years in high-performance enterprise storage solutions

**US Government Contracts:**
- GWACs include NASA SEWP and CIO CS
- Under contract with DoD/Army since 2020 delivering cyber solutions

**ISO 9001:2015 Certified**

**Target Market:**
Network and Security Operations in:
- Defense
- Intelligence
- Commercial Enterprise

**Product: PacketXpress®:** High-speed network packet data capture, storage, distribution, control, and analysis platform

**Applications:**
- Cyber security threat detection and response
- Low SWaP, high-speed capture, and distribution
- Other inline packet assessment & control

**Contact us :**

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