PacketXpress

**Double the Performance,
Efficiency, and Accuracy
Of Your Existing Security Analysis**

Supercharge Your Data

Simultaneously capture, store, and distribute network traffic at over 100 Gbps for all your analysis systems

Lack of Visibility and Detail – the Biggest Threat to Cybersecurity

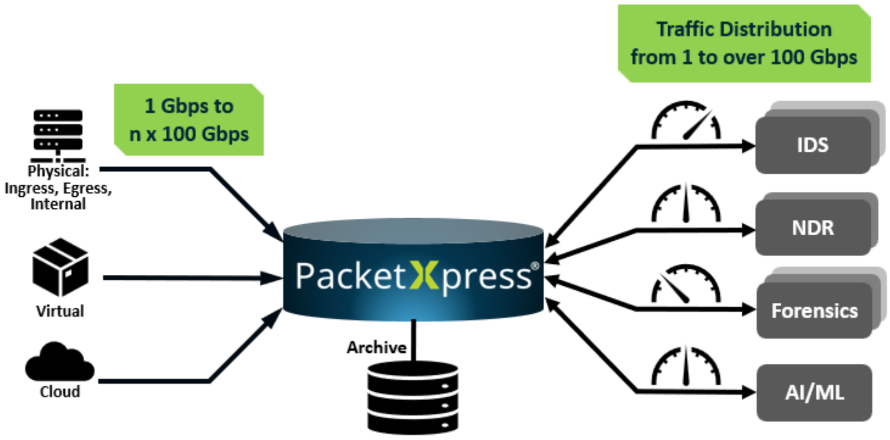
When threat actors bypass traditional perimeter and endpoint protection and loiter for months inside your network, full and reliable traffic visibility is critical but often lacking. High-traffic situations can overwhelm monitoring and analysis applications creating blind spots. At the same time, event logs and NetFlow do not provide the details essential for swift and reliable threat analysis and response.

Full Visibility, Anytime, Anywhere

PacketXpress® is a high-performance Packet DVR and network intelligence platform designed to capture, store, and deliver traffic at scale without sacrificing efficiency or control. PacketXpress captures traffic at over 100 Gbps while simultaneously streaming data from disk to analysis applications at over 200 Gbps—enabling both real-time and back-in-time investigations.

For historical analysis, PacketXpress allows analysts to rewind, replay, and reanalyze traffic captured days or weeks earlier with full packet fidelity. Delivered as a patented, software-only solution running on commercial off-the-shelf (COTS) hardware, PacketXpress provides extreme performance in a compact 1U footprint and scales seamlessly from edge deployments to large datacenters.

The platform integrates with existing cybersecurity and performance tools using standard APIs, ensuring rapid deployment without workflow disruption.



AXELLIO

PacketXpress

Unprecedented Visibility for Network Cybersecurity

- **No-loss capture at ANY speed in high-density SWaP** – in just a 1U server, capture on-disk over 100 Gbps while simultaneously distributing over 200 Gbps off-disk. Powered by XpressFS™, a purpose-built streaming data file system that decouples ingest from analysis, enabling weeks of retention with petabyte-scale on-box storage.
- **Collect anywhere** – capture and access traffic across physical, virtual, private, and public cloud networks without workflow changes.
- **Adaptive traffic distribution** – Hundreds of Gbps sustained that is rate- and content-controlled. Buffered analytics allow applications to consume data at sustainable rates rather than line rate, preventing overload and preserving lossless capture.
- **Rewind, replay, re-analyze** – investigate events with complete packet detail that logs and NetFlow cannot provide. Integrated flow generation enables rapid triage and precise packet-level extraction only when deeper analysis is required.
- **Analysis application-agnostic** – standard APIs, including PCAP, provide stream- and time-addressable access to packet and flow data for any event, without pre-defining indexing or filtering.
- **Customizable, hardware agnostic, and scalable** – extensible intake, storage, memory, and processing on COTS hardware.
- **Intelligent payload slicing –** remove low-value encrypted payloads while preserving headers and metadata, reducing footprint and cost from portable deployments to large data centers.

Reduce your Risks & Expenses

Network security monitoring infrastructure enhanced with PacketXpress provides unique capabilities that result in tangible risk reduction and cost reductions of up to 80%:

- **Reduces total cost of ownership & complexity** – centralizes hardware-intensive traffic capture and processing to reduce sensor proliferation and simplify operations. Controls traffic rates to analysis applications to avoid peak licensing costs and efficiently manage traffic growth.
- **Closes the visibility gap and extends beyond metadata** – provides immediate access to full packet and flow data, including pre- and post-event traffic. Intelligent payload slicing removes low-value encrypted payloads while retaining headers and metadata, extending retention without increasing storage.
- **Increases operational effectiveness for rapid and informed decisions** – buffered analytics and integrated flow generation allow tools to consume data at sustainable rates and pivot quickly from trends to packet-level detail.

Visibility for Quick Response:

- **Monitor** more traffic economically for complete visibility
- **Detect** events reliably and prevent false or missed events under high traffic load
- **Analyze**, triage, and resolve incidents with the complete event details needed
- **Validate** countermeasures before deployment with actual event traffic
- **Scale** linearly to handle from 1 to 100’s of Gbps across multiple servers allowing for cross-system search
- **Cloud-ready** to collect and analyze in physical, virtual, and cloud environments

Trusted by the Best - from Fortune 500 to US Military

“Axellio provides us with the visibility needed to accelerate our response.”

Lt. Col. Michael Lind
Army’s Defensive Cyber Operations

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