

Five Reasons for Advanced Packet Conditioning

Almost all packet-based security and application monitoring tools take a severe performance hit when they try to preprocess packets before analysis. These preprocessing functions include NetFlow generation, packet deduplication, tunnel header stripping, slicing, and masking.

Below are top five reasons why enterprises implement advance packet conditioning with Packet Flow eXtender (PFX) in their packet broker deployments:

- 1 All Advanced Packet Brokers Functions in a PFX**
Optimize tool performance by removing duplicate traffic, slicing unwanted parts of packets, and hiding sensitive data reaching monitoring tools. Preprocessing packets allows you to better leverage your existing monitoring infrastructure, reducing bandwidth needs and lowering total cost of ownership.
- 2 Eliminate Security Blind Spots Created by Routers and Switches Sampling NetFlow**
Offload NetFlow generation for unsampled 1:1 flow mapping without sampling, send to multiple security monitoring tools and forensic analysis. Reduce switches and routers load and performance impacts.
- 3 All-Inclusive Single License**
Unlike other solutions on the market, all advance packet conditioning functions are bundled by NETSCOUT® into a single license at highly competitive pricing. Competitors offering similar functionality require proprietary hardware and per-feature software licensing, eliminating any cost benefits of preconditioning traffic before sending it to the monitoring tools.
- 4 High Performance and Scale**
Take advantage of commodity 1U x86 hardware for high performance and near linear scale. Similar competitor solutions are built on proprietary hardware, requiring chassis-based platforms and hindering scalability on demand.
- 5 Compatible with Any Packet Broker**
Cost effectively augment any existing packet broker networks with advance packet conditioning. No need to rearchitect or re-instrument your visibility network, allowing you to precondition traffic at the lowest cost.

About NETSCOUT nGenius Packet Flow eXtender

The NETSCOUT Packet Flow eXtender (PFX) is a software application enabling expert packet conditioning for service assurance and cybersecurity monitoring. As part of the nGenius® Packet Flow System (PFS) portfolio, PFX integrates with NETSCOUT's broad set of packet broker products to enable expert-level capabilities, such as packet deduplication, NetFlow/IPFIX generation, header stripping, packet slicing, and masking. The PFX software application runs on multiple x86 commodity server platforms with 4x10G, 2x40G and 2x100G interface configurations, providing high performance, scalability on demand in a cost-effective manner.