

# NETSCOUT Packet Flow eXtender Software for Dell Technologies PFOS-enabled Solutions

Flexible and Scalable Software-Driven Expert Packet Conditioning

## MAXIMIZE TOOL PERFORMANCE, OPTIMIZE TRAFFIC, AND REDUCE COSTS

NETSCOUT's Packet Flow eXtender (PFX) is a software application enabling expert packet conditioning for service assurance and cybersecurity monitoring. As part of an Advanced Fabric Visibility PFOS Bundle offered through Dell Technologies, PFX integrates with PFOS-enabled Dell EMC PowerSwitch hardware to enable expert-level capabilities, such as packet deduplication, NetFlow/IPFIX generation, header stripping, packet slicing, and masking. The PFX software application runs on a Dell PowerEdge R440 Server, providing high performance, scalability on demand in a cost effective manner.

With InfiniStreamNG® as its foundation, PFX delivers the performance and scaling capabilities needed to process network traffic generated by millions of users using hundreds of applications. It delivers feature velocity and agility, independent of the underlying hardware platform. The common architecture across all InfiniStreamNG applications also means short learning cycles for IT personnel and operational efficiency.

PFX connects to any type of network through TAP and SPAN ports, including IP tunneled connections for expert packet conditioning before forwarding desired traffic to the tool farms. PFX easily interconnects with a multitude of other PFS products from NETSCOUT.

While enterprises benefit from end-to-end visibility for the entire network, the challenge is to find a right-sized system that meets the needs at a particular location in the network. Through a partnership with Dell Technologies, NETSCOUT offers software appliance options suitable for deploying in multiple topologies for different size installations from small to large enterprise and service provider data centers. To solve scalability and monitoring needs of very large environments, multiple PFX systems can be deployed to provide virtually unlimited scalability.



## NETSCOUT

### THE NETSCOUT / DELL TECHNOLOGIES PARTNERSHIP

NETSCOUT provides organizations with Commercial Off the Shelf (COTS) deployment options for both the InfiniStreamNG and Packet Flow Switch solutions. As part of the current portfolio, NETSCOUT PFOS and PFS Fabric Manager software is available for purchase and use on Dell hardware configurations. The Packet Switch eXtender Software is optionally available for use on Dell PowerEdge servers to enhance these deployments.

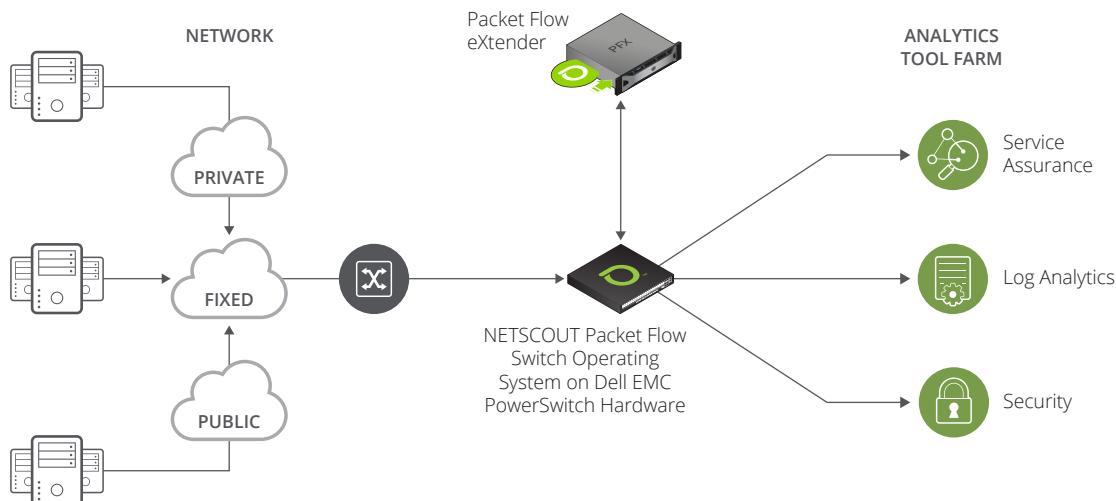
Dell Technologies' OEM Engineered Solutions program enables streamlined purchase and deployment of turnkey solution configurations in collaboration with leading technology partners.

#### Program benefits include the following:

- Accelerated and cost-effective deployment
- Certified/Qualified hardware from Dell Technologies
- Fully-integrated solutions
- Turnkey purchase-to-deployment process
- NETSCOUT MasterCare support coverage

### TYPICAL USE CASES

- Remove duplicate packets reaching security and monitoring tools, to free up capacity and increase performance.
- Offload NetFlow/IPFIX generation to eliminate switches and router performance degradation.
- Remove network header tagging or protocol header encapsulations from packets for uninterrupted security monitoring.
- Reduce monitoring traffic volume by slicing packets by keeping only required portion.
- Dynamically obfuscate confidential data in packets for privacy and regulatory compliance.



## FEATURES AND BENEFITS

Features	Description/Benefit
<b>NetFlow Generation</b>	<ul style="list-style-type: none"> <li>Generates NetFlow versions v5, v9 and IPFIX</li> <li>Unsampled 1:1 NetFlow record generation</li> <li>Support over 120 million flows per minute</li> <li>Exports to up to four (4) NetFlow destination collectors</li> </ul>
<b>Packet De-duplication</b>	De-duplication based on IP header, IP header & CRC, Inner VLAN & IP header, Outer VLAN & IP header, IP header & 32-bit maskable offset
<b>Header Stripping</b>	<ul style="list-style-type: none"> <li>Remove up to seven (7) MPLS labels</li> <li>Remove GRE, L2GRE/NVGRE, and ERSPAN headers</li> <li>Cisco Fabric Path</li> <li>TRILL</li> </ul>
<b>Packet Slicing</b>	<ul style="list-style-type: none"> <li>Truncate packets to a specified length</li> <li>Define starting point in L2, L3, or L4 headers and the offset</li> <li>Conditional slice with Src/Dest MAC, Src/Dest IP, Etype, Outer VLAN, IP TOS, Protocol, IP Flow</li> </ul>
<b>Packet Masking</b>	<ul style="list-style-type: none"> <li>Mask packets to a specified starting point and length</li> <li>Define starting point in L2, L3, or L4 headers and the offset</li> <li>Conditional mask with Etype, Protocol</li> </ul>



[Learn more](#) about PowerEdge Servers



[Learn more](#) about Dell OEM Solutions



[Contact](#) a Dell Technologies Expert



[Follow](#) PowerEdge servers on Twitter