PFS Monitor

HIGHLIGHTS

- Gain visibility into the performance of nGenius® Packet Flow Switch (PFS) fabric.
- Avoid human errors such as oversubscription of trunks or filtering out critical application traffic from reaching NETSCOUT® InfiniStreamNG™ appliances or 3rd party tools.
- Consolidated, end-to-end view of the entire PFS layer prevents finger-pointing and allows for faster diagnosis, troubleshooting and resolution.
- Available as an integrated solution combining the power of ASI smart data and nGeniusONE® analytics, or as a standalone module.
- Supports nGenius PFS 7000 and PFS 5000 platforms.

Product Overview

PFS Monitor provides end-to-end visibility into the health and amount of traffic coming in and out of the Packet Flow Switch (PFS) fabric. PFS Monitor allows network teams to quickly troubleshoot any packet acquisition issues when/if they occur using the patented ASI technology and nGeniusONE analytics software.

The tight integration between nGeniusONE and nGenius PFS products enables IT teams to view PFS port statistics and volumetric data inside nGeniusONE modules such as Grid, Reports, Alarms, Traffic monitors, and others. Automatic configuration makes the integration with nGeniusONE seamless and actionable.

Architecture

The NETSCOUT approach is unique in the market in showing a consolidated view of all layers. As a result of this end-to-end packet flow visibility, IT teams can be assured that the right amount of data is received by InfiniStreamNG appliances (Figure 1) or by 3rd party tools (Figure 2). This results in accurate service assurance analysis of network and application performance, ultimately reducing MTTR for complex service delivery problems.

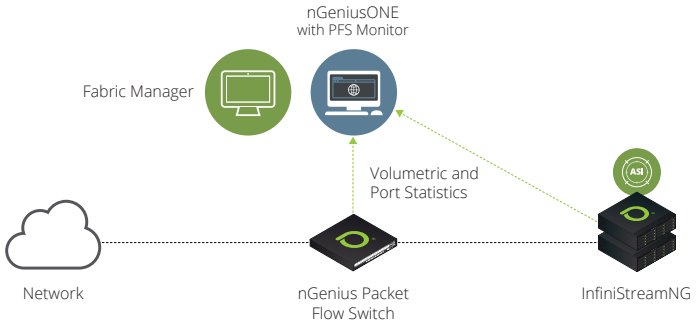

Figure 1: PFS Monitor combined with nGeniusONE.

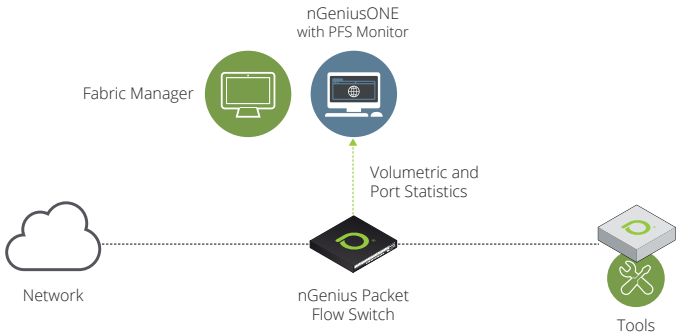

Figure 2: Standalone module.

Triage Packet Acquisition Issues

By providing an end-to-end view along the packet acquisition path, IT teams can quickly identify human errors such as accidentally sending too much traffic through narrow channels, for example sending 40 G traffic through 10 G channels, or aggressively filtering out packets that are critical to measuring network and application performance.

IT teams can view PFS statistics and volumetric data including:

- CRC errors
- Packet size distribution
- Number of unicast/multicast/broadcast packets

Part number	Description
917H00	PFS Monitor is an add-on module for monitoring nGenius PFS port statistics

nGeniusONE Service Assurance Platform

nGeniusONE is a real-time information platform that provides a single pane of glass to view the data, voice, and video service delivery performance to manage both the availability and quality of the user's experience.

Available on both hardware and virtual platforms, nGeniusONE leverages NETSCOUT smart data as a universal source for providing smarter analytics for end-to-end visibility throughout private, virtualized, public, and hybrid cloud environments.

ASI Technology

ASI technology transforms wire traffic into smart data, providing real-time visibility into user experience for the most advanced and adaptable information platform to ensure security, manage risk, and drive service performance.

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