

nGenius Packet Flow Switch Fabric Manager

Centralized Orchestration and Management of Visibility Fabric

HIGHLIGHTS

- Single pane of glass for managing NETSCOUT® nGenius® 5000 and 6000 series Packet Flow Switches
- Centralized orchestration and management enables easy-to-use, powerful configuration and monitoring of the entire visibility network
- Visual traffic maps, or topologies, allow for drag-and-drop configuration and deployment of traffic flows, from TAP to tool
- HTML5 browser-based UI means no software to install
- Available as a pre-configured and pre-installed server appliance or in software-only form for installation on customer-provided hardware or in a virtual machine
- A single UI on individual switches and the central server – one UI and set of workflows to learn facilitates migrating from individual to central management
- Central server learns the configuration of switches placed under its management – no re-provisioning when moving to central management

Product Overview

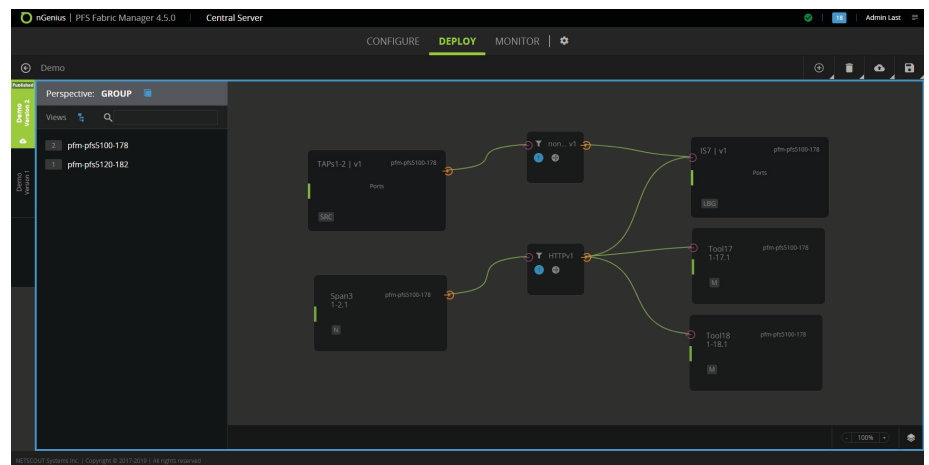
The nGenius 5000 and 6000 series Packet Flow Switches (PFS) enable pervasive network visibility from small or remote sites to large, core, or spine deployments in data centers and central offices. The nGenius Packet Flow Switch Fabric Manager is a central management pane of glass that enables administrators to easily configure, deploy, and troubleshoot monitoring networks. It provides an intuitive, drag-and-drop configuration with powerful but simple-to-use workflows that cover the three major areas, or lifecycles, of a packet flow switch system: configuration, deployment, and monitoring.

Configuration Lifecycle

In the Configure Lifecycle, administrators can easily configure physical entities such as switches, blades, and ports. Reusable logical entities such as filters and load balance groups can be configured for drag-and-drop deployment in graphical traffic maps, called topologies. Intelligent workflows allow administrators to, for example, create new filters or new filters based on a previously configured filter, allowing for quick and easy changes to filters already in deployment.

Deployment Lifecycle

In the Deployment Lifecycle, administrators configure their monitoring fabric in a graphical representation called topologies. Topologies are comprised of user-created flows of traffic from ingress ports (typically connected to a TAP) through the packet flow switch or switches and out to the monitoring tools. Changes are not made to the underlying infrastructure until the administrator chooses to push the configuration to the switches. Pre-staging of changes can be made ahead of a maintenance window without disrupting the current configuration or having to wait until the maintenance window arrives to make the changes. Topology versioning enables snapshots of topologies at given points in time, providing backups to existing configuration and giving administrators peace of mind.



Monitor Lifecycle

In the Monitor Lifecycle, administrators oversee the health of the current system, including system status and statistics. Statistics are offered in graphical and tabular format for maximum usability, depending on the need.



Features and Benefits

Features	Benefits
Centralized Management <ul style="list-style-type: none"> nGenius 5000 series PFS nGenius 6000 series PFS 	<ul style="list-style-type: none"> Provides a single pane of glass for the entire monitoring network
HTML5 drag-n-drop web UI	<ul style="list-style-type: none"> No software to install – just a web browser Lightweight, modern interface
Common UI <ul style="list-style-type: none"> Same UI on the PFS (when managed individually) and the central server 	<ul style="list-style-type: none"> One set of workflows to learn Eases migration to centralized management
Graphical Topologies	<ul style="list-style-type: none"> Provides intuitive configuration of traffic flows from TAP to tool
Topology Versioning	<ul style="list-style-type: none"> Provides configuration snapshots Allows pre-configuration of changes ahead of maintenance window Allows easy rollback
Transparent Cross-switch Flow Configuration with pfsMesh	<ul style="list-style-type: none"> Allows intuitive configuration of traffic flows between switches – no need to build hop-by-hop configuration, just connect the ingress port to the egress port
Centralized Configuration Management	<ul style="list-style-type: none"> Configure all switches from a single point Create logical entities such as filters once and use throughout the monitoring fabric
Centralized Monitoring	<ul style="list-style-type: none"> View statistics from all switches Centralized view of events from all switches Centralized view of alarm activity from all switches
Centralized Lifecycle Management	<ul style="list-style-type: none"> Centralized software upgrade Centralized license management
PFS Configuration Learning <ul style="list-style-type: none"> The central server learns the device's configuration 	<ul style="list-style-type: none"> No need to re-configure when upgrading to the central management server
Role-Based Access (RBAC) <ul style="list-style-type: none"> User-defined roles Multiple roles per user 	<ul style="list-style-type: none"> Conforms to security policy needs Allows least-privilege access
Local and Remote Authentication and Authorization <ul style="list-style-type: none"> Local RADIUS TACACS+ 	<ul style="list-style-type: none"> Local AAA for standalone deployments Remote AAA meets security policy needs and allows user and role configuration to be centralized
Available as Hardware or Software	<ul style="list-style-type: none"> Pre-configured server simplifies deployment and support Software-only provides the same features and functions on customer-provided hardware or VM

Ordering Information

Part Numbers	Description
51401L	nGenius Packet Flow Switch (PFS) Fabric Manager Server
91400L	nGenius Packet Flow Switch (PFS) Fabric Manager Software-Only

SPECIFICATIONS

Server Appliance Specifications

CPU	Single 8-Core @ 2.1 GHz
Storage	2 TB useable (3x 1 TB RAID 5)
Memory	32 GB
Network Interfaces	4-port Gigabit Ethernet (RJ45)
Height	2RU
Dimensions	3.4 in (87 mm) Height 19 in (482 mm) Width 29.9 in (760 mm) Depth
Weight	63 lbs (28.6 kg)
Power	Dual redundant hot-swappable 750W power supplies 100-240VAC, 50-60 Hz 316 W (1078 BTU/hr) maximum
Operating Temperature	10° - 35°C (50° - 95°F)
Storage Temperature	-40° - 65°C (-40° - 149°F)
Operating Relative Humidity	10% - 80%, non-condensing
Storage Relative Humidity	5% - 95%, non-condensing
Regulatory Approvals	E38S, FCC (US only) Class A, ICES (Canada) Class A, CE Mark (EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3), VCCI (Japan) Class A, BSMI (Taiwan) Class A, C-Tick (Australia/New Zealand) Class A, SABS (South Africa) Class A, CCC (China) Class A, MIC (Korea) Class A, NOM (Mexico), CM (Morocco), UL 60950-1, CAN/CSA C22.2 No. 60950-1, EN 60950, IEC 60950-1

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