nGenius for Flows
Advanced, Cost-effective Support for Flow, MIB-II and IP SLA-based Performance Management

Product Overview
Today’s IT environment is continuously changing and becoming more complex; IT staffs are increasingly challenged to protect high quality delivery of business applications and services across the network to meet their organization’s goals while at the same time, control costs. Potential problems must be identified earlier than ever before; the root cause accurately diagnosed; and optimal service delivery restored prior to the end-user experience or the business being impacted. To optimize the network infrastructure and effectively meet business needs, network operators require detailed and comprehensive visibility into performance of key business services across the network. Flow-based data is a good source of network management information that enterprises can use in a variety of ways, including monitoring, capacity planning, troubleshooting & analysis, usage-based billing, and intelligent traffic load balancing and forecasting.

nGenius® for Flows analyzes and maps Flow-based data and IP SLA results gathered by nGenius Collectors, MIB-II based data sources into powerful monitoring and troubleshooting screens and historical reports necessary for accelerating problem resolution and improving capacity and infrastructure planning. The proven and sophisticated Adaptive Session Intelligence™ (ASI)-based technology architecture by NETSCOUT provides:

- Flexibility to group and create containers from different flow & MIB-II based data sources to visualize service level flow data in a dashboard.
- Flexibility to define alerts using baseline and threshold triggers on various Flow and MIB-II based metrics.
- Powerful Flow & MIB-II based link and application troubleshooting workflows including conversation and host analysis.
- Flexibility to slice traffic distribution by QoS, ASN, Sites and Router Interfaces.
- Flexible reporting capabilities with out-of-box key reporting templates for link, application and location based analysis, automated base lining and trending of key traffic metrics to provide early warning alerts on anomalous changes in network behavior.
- Full IPv6 support for flow data as well as flow exported from IPv6 management interfaces from routers/switches.
- Powerful search and discover capability for various network traffic dimensions.
- Network and application response time metrics from IP SLA test results
- Statistical information from Cisco®’s Class-Based QoS MIB (CBQoS), including Discard Packets, Discard Bytes for MIB-II data sources.
- Seamless integration with nGeniusONE® service assurance solution at a nGeniusONE Global manager with highly scalable and distributed architecture.

HIGHLIGHTS
- Integrated and pre-configured hardware and software solution for nGenius for Flows
- A superior and cost-effective Flow, MIB-II based service delivery management solution
- Unified views from NetFlow, J-Flow, sFlow and IP SLA
- Cost-effective enterprise-wide network performance management, analysis and reporting
- Sophisticated application recognition for an expansive view of most applications on the network
- Robust reporting for collaboration among stakeholders
- Enterprise scalability and performance to meet the needs of large organizations
- One-time, all-inclusive enterprise wide license for the best price/performance
How It All Works

nGenius for Flows works with nGenius Collectors, which are distributed at strategic sites across the network, gather and aggregate Flow-based records and IP SLA test results. nGenius for Flows processes the Flow-based and IPSLA data, which is accessed in the form of contextual views and reports through a web-based client. Single enterprise-wide software licensing and a flexible multi-tier architecture also make nGenius for Flows the most cost-effective solution for enterprises, government agencies, and service providers wanting to leverage Flow-based data as a source of application and network performance data. The scalability of this solution is further demonstrated in its support for a multi-server, distributed architecture, as well as for a standby server, to protect against hardware failures and natural disaster.

Integrated Hardware and Software Simplify the nGenius for Flows Rollout and Deployment

Optional pre-configured nGenius for Flows hardware server solution simplifies the deployment process by providing everything needed in a single pre-configured, pre-licensed solution. The factory pre-integrated hardware and software minimizes the tasks typically associated with installation, configuration and maintenance, and significantly reduces time required to deploy the nGenius for Flows solution.

Notes:
1) The nGenius for Flows is software only enterprise wide license solution supporting either Red Hat Enterprise Linux Server 5.x or 6.x 64 bit or Windows® 2008 R2 standard edition environments. Customers can also optionally choose to order a preconfigured and pre-licensed standard or enhanced capacity server appliance.