

nGenius for Flows

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

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

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.



SPECIFICATIONS

Packet Capture Ports	4 Port 10/100/1000 BaseT
Storage	Standard: 3TB (6 x 500GB, configured RAID 5) Enhanced: 10TB (5 x 2TB, configured RAID 5)
Embedded OS	Standard: Red Hat® Enterprise Linux® Server5.X/6.1-6.5 64 bit Enhanced: CentOS 6.6 64bit, Windows 2012/R2 x64
CPU	Standard: Dual Six-Core 2.0GHz Enhanced: Dual Quad-Core 3.3GHz
Memory	Standard: 48 GB Enhanced: 64 GB
Rack Unit	2 Rack Unit (2RU)
Dimensions	3.4 in (87 mm) Height 17.5 in (444 mm) Width 29.6 in (684 mm) Depth
Weight	43 lbs (19.45 kg)
Power Rating (AC)	750W AC: 100-240VAC auto ranging, 50-60Hz
Maximum Consumption (AC)	10-5A
Heat Dissipation (AC)	2891 BTU/Hr
Fans	Hot swappable six-fan assembly unit
Operating Temperature	10° to 35°C (50° to 95°F)
Storage Temperature	-40° to 65°C (-40° to 149°F)
Operating Relative Humidity	10% to 80% (non-condensing twmax=26C)
Storage Relative Humidity	5% to 95% (non-condensing twmax=33C)
Operating Vibrations	0.26G at 5Hz to 350Hz in all orientations
Storage Vibration	1.87G at 10Hz to 500Hz for 15 minutes (all six sides tested)
Operating Shock	Half sine shock in all operational orientations of 31G +/- 5% with a pulse duration of 2.6ms +/- 10%
Storage Shock	Half sine shock on all six sides of 71G +/- 5% with a pulse duration of 2ms +/-10%; square wave shock on all six sides of 27G with velocity change at 235 in/sec or greater
Operating Altitude	-15.2 to 3,048m (-50ft to 10,000ft)
Storage Altitude	-15.2 to 12,000m (-50ft to 39,370ft)
Regulatory and Agency Approvals	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, UL 60950-1, CAN/CSA C22.2 No. 60950-1, EN 60950, IEC 60950-1

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.

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.

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