

nGenius Trading Intelligence

nGenius Trading Intelligence

The nGenius® Trading Intelligence solution is a purpose-built solution for capital market operators providing an intelligent and comprehensive view for multi-tiered, multi-protocol trading application analysis. nGenius Trading Intelligence software leverages robust nGenius InfiniStream® appliances placed at strategic points within the trading network. These appliances listen to traffic via passively attached Taps and do not affect the live transactions. They continuously capture packets and create trading transaction records that are forwarded to the nGenius Trading Intelligence Server, which will correlate the data leveraging trade-specific information found within the records. This combination enables fast analysis and identification of network and service issues down to sub-components of the trading infrastructure.

The nGenius Trading Intelligence software provides the following trade monitoring and problem analysis:

- Real Time Trading Intelligence Dashboard – Customer can select up to 16 unique trading metrics to track in a real time dashboard, update interval can be selected between 5 seconds to 5 minutes
- Trade Latency Monitoring—Tracks one way latency as well as round trip time at a trade transaction level
- End-to-End Multi-Hop Transaction Correlation— Correlates trade flow transformations across firewalls, trading platforms and smart order routers
- Market Feed One Way Latency Analysis— Identify the One Way Latency cross various network segments

The nGenius Trading Intelligence software can be deployed on a standalone basis or in conjunction with the nGenius Service Assurance Solution to provide comprehensive, end-to-end service delivery management capabilities.

When optionally integrated as a component of the nGenius Service Assurance Solution, the nGenius Trading Intelligence software helps financial institutions meet its customers' ongoing expectations for on-demand high-speed trading transactions while providing a common monitoring solution spanning the global financial enterprise.

Why Consider nGenius Trading Intelligence?

The High Frequency Trading (HFT) has been growing tremendously within capital market industry in the last few years. This has led to infrastructure changes to trading networks, thereby eliminating many delays that would otherwise be accepted in traditional networks. Even so, a single trade may cross multiple devices such as application servers, firewalls and trade gateways to complete a transaction. Highfrequency trading firms understand the complexity of these multi-hop, multi-protocol transactions and the need to track latency across tiers to eliminate delays wherever possible. The nGenius Trading Intelligence software takes capital market latency visibility to a whole new level by correlating the transactions across hops, providing real time updates and latency alarms.



Figure 1. The Real Time nGenius Trading Intelligence Dashboard provides both round-trip and one trade latency Status.

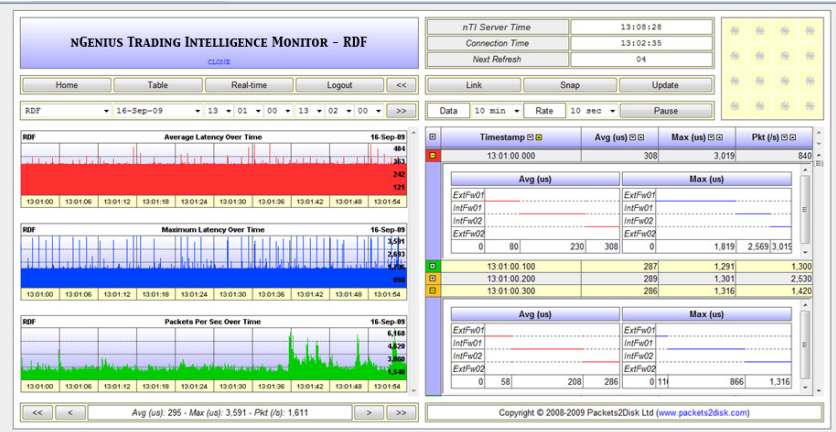


Figure 2. nGenius Trading Intelligence Latency Monitor provides multi-tier transformation analysis.

What Problems Does nGenius Trading Intelligence Help Solve?

NetScout®, the market leader in Unified Service Delivery Management, has enabled comprehensive end-to-end network and application assurance for over 25 years. NetScout customers include major financial institutions, banks, retail brokerages, and exchanges worldwide.

The nGenius Trading Intelligence solution addresses the “multi-hop dilemma” in which delays are hidden in one of multiple hops across systems with user selectable trading metrics on One-Way Latency (OWL) and bi-directional Round Trip Times (RTT). It helps brokers, exchanges,

and algorithmic trading companies monitor, measure and analyze the key metrics surrounding the actual trades as they take place. The networking personnel supporting trading venues track live performance to keep trades running at optimal speeds. When delays do occur, they can use nGenius Trading Intelligence and nGenius Service Assurance Solution to isolate and identify the problems; and to further validate the issue being addressed properly.



Americas East
 310 Littleton Road
 Westford, MA 01886-4105
 Phone: 978-614-4000
 Toll Free: 800-357-7666

Americas West
 178 E. Tasman Drive
 Suite 101
 San Jose, CA 95134
 Phone: 408-571-5000

Asia Pacific
 Room 105, 17F/B, No. 167
 TunHwa N. Road
 Taipei, Taiwan
 Phone: +886 2 2717 1999

Europe
 One Canada Square 29th floor
 Canary Wharf
 London E14 5DY, United Kingdom
 Phone: +44 207 712 1672

NetScout offers sales, support, and services in over 32 countries.

For more information, please visit www.netscout.com or contact NetScout at 800-309-4804 or +1 978-614-4000

© 2011 NetScout Systems, Inc. All rights reserved. NetScout, nGenius, and InfiniStream are registered trademarks of NetScout Systems, Inc. and/or its affiliates in the United States and/or other countries. All other brands and product names, and registered and unregistered trademarks are the sole property of their respective owners. NetScout Systems, Inc. reserves the right, at its sole discretion, to make changes at any time in its technical information, specifications, and service and support programs.