NETSCOUT®

nGeniusONE

Service Assurance platform

HIGHLIGHTS

- Monitor, triage and troubleshoot IP based business services

- Patented Adaptive Service Intelligence™ (ASI) technology enables contextual analysis of server, network, and application performance

- Scalable, enterprise-class architecture supports large scale geographically distributed deployments

- Multi-level security ACL allows group configuration with flexible individual control

- Provides insight into the performance of all infrastructure and application components involved in service delivery

- Includes support for Unified Communications service features

- Carefully crafted workflows that enable quick time to resolution and MTTR reduction

- Dashboard, Service and Traffic Monitors with contextual Session Analysis and Packet Analysis drill downs

- Built-in reporting module provides day-to-day operational reports which can be scheduled for daily, weekly and monthly delivery

Product Overview

The nGeniusONE® Service Assurance platform provides an overarching view into the performance characteristics of all infrastructure and application components associated with delivering IP-based services, including Unified Communications. With emphasis on service triage and network troubleshooting, the nGeniusONE platform combines real-time monitoring, historical analysis, and multi-layered analytics capabilities for a holistic performance management solution. This unified perspective enables IT organizations to more effectively manage the health and availability of diverse application environments, improving network and application teams' ability to proactively identify and triage performance issues, assess business impact and quickly identify the root cause of problems.

ASI Technology

The nGeniusONE platform is powered by Adaptive Service Intelligence (ASI) technology, NETSCOUT's patented, next generation Deep Packet Inspection (DPI) engine that relies on packet-flow data to provide real-time, contextual analysis of service, network, and application performance. With ASI technology, nGeniusONE can provide customers end-to-end Application Performance Management and Network Performance Management visibility in complex physical and virtualized deployments, and allow enterprises to regain visibility in service delivery and service assurance.
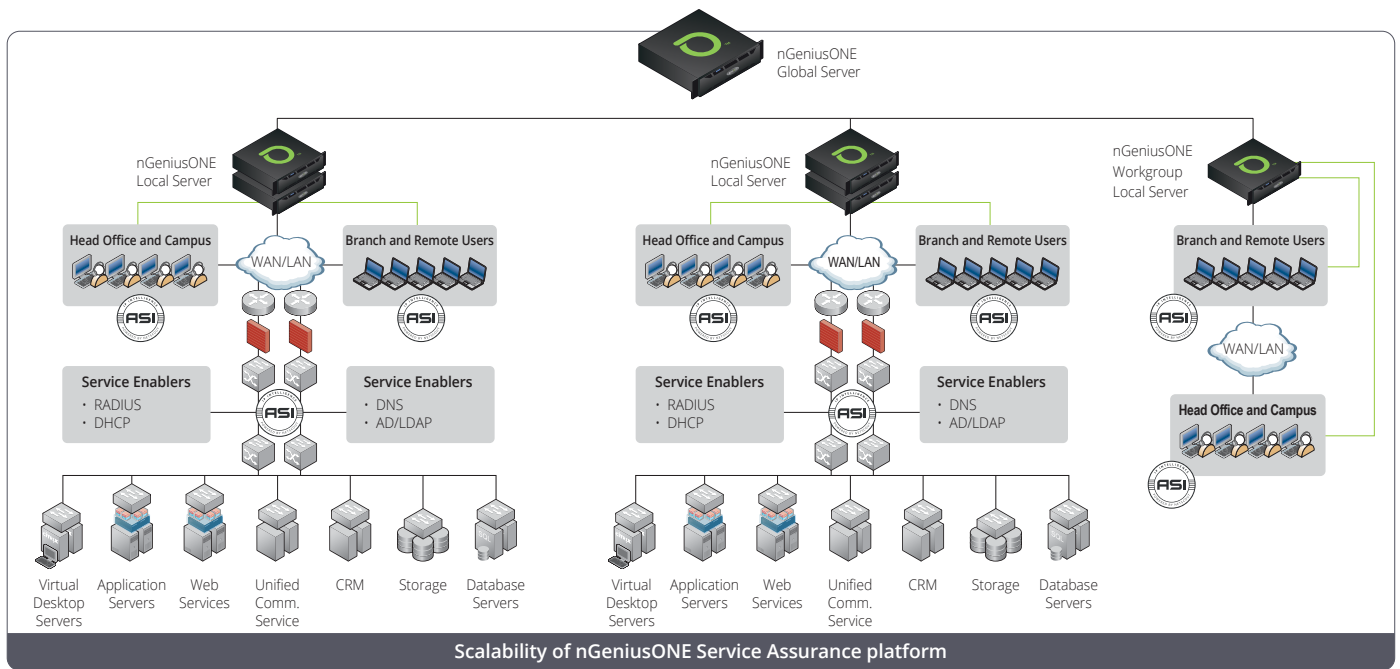
Scalable Architecture

nGeniusONE has a distributed, scalable, high availability system architecture that supports distributed data collection and analysis in very large, distributed nationwide networks. Leveraging the richness of data contained within live network traffic, NETSCOUT's patented Adaptive Service Intelligence (ASI) technology analyzes traffic in real time, enabling highly granular views of network and service performance, availability and quality.

Part Number	Description
91FV0(L)(W)	nGeniusONE - Entry (5) - Software (Linux) (Windows)
91F40(L)(W)	nGeniusONE - Workgroup (10) - Software (Linux) (Windows)
91FH0(L)(W)	nGeniusONE - Intermediate (25) - Software (Linux) (Windows)
91F50(L)(W)	nGeniusONE - Full (50) - Software (Linux) (Windows)
91F700	nGeniusONE - Incremental (50) - Software
91F20(L)(W)	nGeniusONE - Full (50) - Standby Software (Linux) (Windows)
91FD0(L)(W)	nGeniusONE - Dedicated Global Manager - Software (Linux) (Windows)

*   Supported on Red Hat® Enterprise Linux® v6.x 64-bit (English only) and Windows® 2008 R2 x64 - Standard and Enterprise Platforms.

** Please consult with your NETSCOUT Sales Professional to determine system requirements suited for deployment in your environment.

nGeniusONE
Global Server

nGeniusONE
Local Server

nGeniusONE
Local Server

nGeniusONE
Workgroup
Local Server

Scalability of nGeniusONE Service Assurance platform

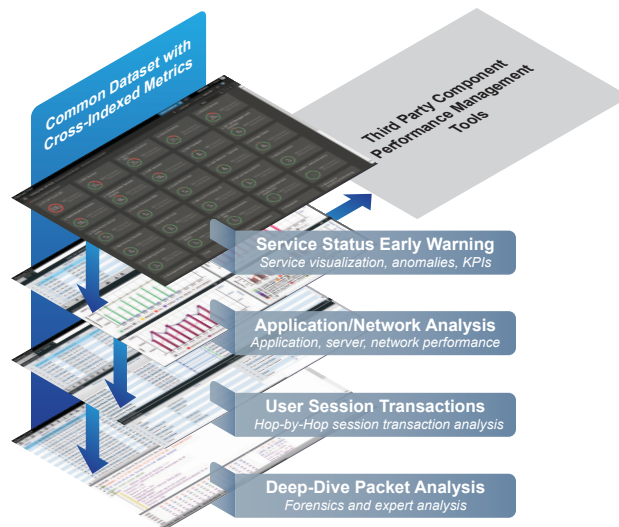## Fast Triage for Complex Problems

Powered by NETSCOUT's patented Adaptive Service Intelligence (ASI) technology, the nGeniusONE platform enables a comprehensive view of service performance across complex multi-tier, multi-vendor, multi-location business data application services, including Unified Communications. This view enables IT teams to triage complex issues faster, ultimately reducing Mean Time to Repair (MTTR).

The nGeniusONE platform provides a consistent set of service-oriented workflows to enable seamless, contextual transitioning across multiple layers of analysis. This allows the nGeniusONE platform to facilitate efficient and informed hand-off of incident response tasks across the different IT groups involved in delivery of an application from one end to the other.

- **Service Dashboard** – The dashboard delivers health status, alarms, and intelligent early warnings, for enterprise applications and other service enablers, so the IT organization can focus their triage efforts where needed

- **Service Dependency** – The dependency map visualizes the current state of the service and application environment by automatic discovery and mapping of client - server relationships

- **Service Monitor** – Enables comprehensive analysis of key service transactions, such as latency, responsiveness and failures, and traffic analysis to identify the root cause of service impacting performance issues. The specialized service monitors provides holistic visibility into all transaction query/ response volumes, their latencies, and any errors associated with the specific application server being analyzed, as well as the affected user community

- **Session Analysis** – Delivers session-level analysis, ladder diagrams, with hop-by-hop transaction analysis for the application services to help identify specific issues (e.g., with servers or proper name resolutions)

- **Packet Analysis** – Enables deep-dive, protocol-level analysis and forensic evidence collection

- **Built-in Reporting Module** – Provides day-to-day operational reports which can be scheduled for daily, weekly and monthly delivery.

Common Dataset with Cross-Indexed Metrics

Third Party Component Performance Management Tools

Service Status Early Warning
Service visualization, anomalies, KPIs

Application/Network Analysis
Application, server, network performance

User Session Transactions
Hop-by-Hop session transaction analysis

Deep-Dive Packet Analysis
Forensics and expert analysis

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