nGeniusONE

Service Assurance platform

Product Overview

The nGeniusONE® Service Assurance platform provides real-time visibility into the performance of business-critical applications such as web-based applications, voice and video communications, database, financial, or other services by analyzing wire data as it crosses the network, on premises or in the cloud. nGeniusONE with NETSCOUT's patented Adaptive Service Intelligence™ (ASI) technology leverages this wire data to generate "smart data" for smarter analytics to assure performance, manage risk, and facilitate superior decision making regarding application and network services.

The nGeniusONE platform delivers valuable macro-level insights into the status and performance of enterprise-wide services, application components, individual hosts or groups of clients or servers. This expands the IT architect's understanding of service consumption patterns, application component dependencies, and overall user experience to better support resource optimization and capacity planning.

Powered by ASI technology, NETSCOUT's highly scalable Deep Packet Inspection (DPI) engine relies on wire data to provide real-time, contextual analysis of network and service performance, availability and quality. With these insights, nGeniusONE can provide customers end-to-end visibility in complex physical, virtualized, and cloud-based deployments, allowing enterprises to regain visibility into business critical applications and services even in difficult to instrument locations.

Scalable Architecture

nGeniusONE has a highly scalable, redundant system architecture that supports data collection and analysis in very large, distributed networks. The nGeniusONE Dedicated Global Manager and the nGeniusONE Standby Server are optional licenses which can be used to expand your nGeniusONE deployment for even more scalability or high availability.

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
95F50(L)((W)	Virtual nGeniusONE – Full (50) - Software (Linux) (Windows)
95F700	Virtual 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® v 7.0 – 7.4 64-bit (English only) and Windows® 2012 x64, Windows 2012 R2 x64, and Windows 2016 x64 - Standard and Enterprise Platforms.

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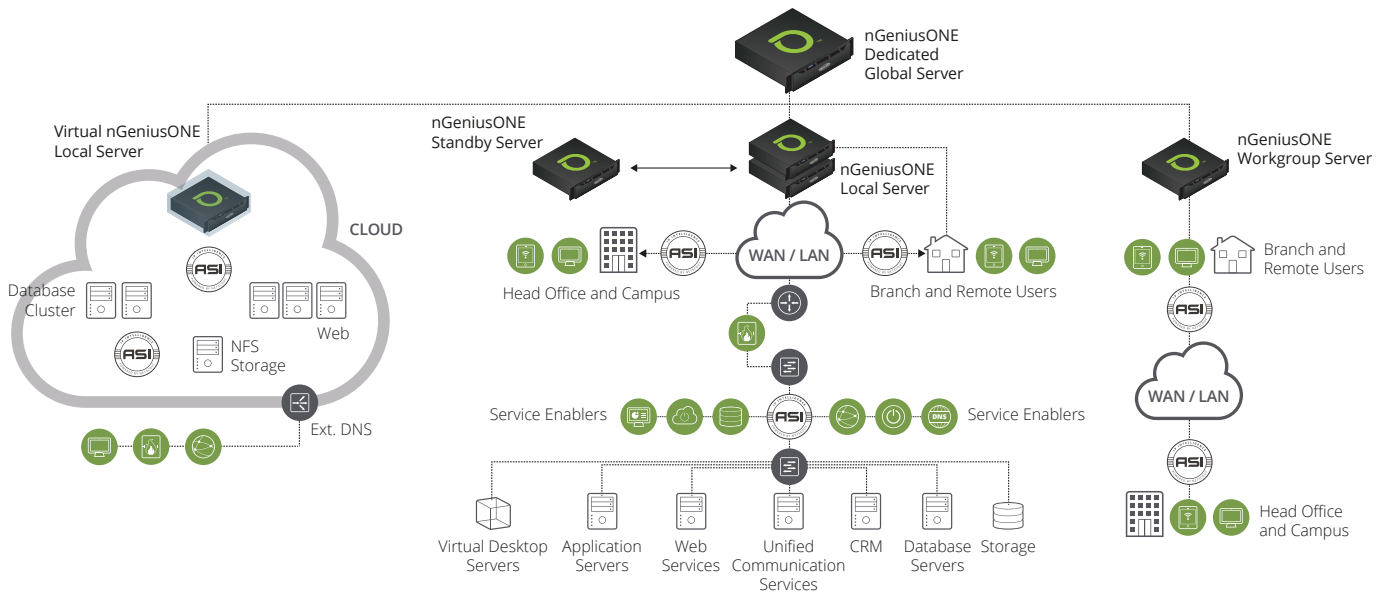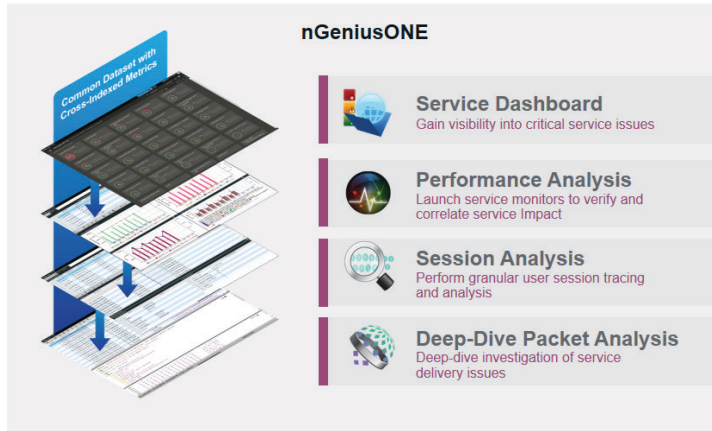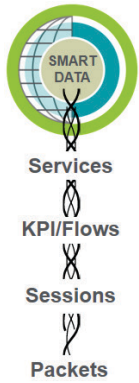
Fast Triage for Complex Problems

The nGeniusONE platform enables IT teams to identify the root cause for performance issues impacting the prompt delivery of application services occurring across the service delivery environment. With this end-to-end view, IT teams can quickly triage performance issues even in complex multi-vendor environments, ultimately reducing Mean Time to Repair (MTTR). The nGeniusONE platform provides IT teams with an efficient top-down approach to situational analysis, problem identification, service troubleshooting, and resolution. Using a consistent set of service-oriented workflows, the nGeniusONE platform enables seamless, contextual transitioning across multiple layers of analysis. These workflows allow the nGeniusONE platform to facilitate efficient and informed hand-off of incident response tasks across different IT groups which fosters IT team collaboration, improving the ability of IT teams to quickly identify service quality issues.

The nGeniusONE platform streamlines service delivery management by providing the following key analysis layers:

· **Service Dashboard** – Delivers real-time health status, metrics, alarms, and intelligent early warnings for enterprise applications and other service enablers, allowing IT teams to focus efforts where they are most needed.

· **Service Dependency Map** – Provides visibility into the dependencies among various components. This feature enables IT teams to analyze the service delivery environment and discover the client-server relationships and their performance. Provide insights into critical business applications such as Web Services, DNS, Voice Call Quality, Database Applications, SSL Certificates, and others. Each specialized monitor breaks out performance metrics by specific message types, enabling IT teams to dig deeper into the application and rapidly identify the scope and root cause of performance degradations.

· **Universal Monitor** – Enables IT teams to quickly triage and isolate the sources contributing to application performance degradation. Provides a consolidated view of application request workloads, number of new and existing sessions for each server, application and network latencies, and network errors, delivering holistic visibility into the performance of all servers supporting the service. This universal monitor can be used to investigate any application, whether off the shelf or custom.

· **Session Analysis** – Enables session-level analysis with multi-segment hop by hop transaction-level detail.

· **Packet Analysis** – Enables deep-dive, protocol-level analysis with advanced filter, decode comparison, and expert analysis.

nGeniusONE - Top-Down Approach

SMART DATA

Services

KPI/Flows

Sessions

Packets

nGeniusONE

Common Dataset with Cross-Indexed Metrics

Service Dashboard
Gain visibility into critical service issues

Performance Analysis
Launch service monitors to verify and correlate service Impact

Session Analysis
Perform granular user session tracing and analysis

Deep-Dive Packet Analysis
Deep-dive investigation of service delivery issues

nGeniusONE Service Assurance Platform

nGeniusONE is a real-time information platform that provides a single pane of glass to view the data, voice, and video service delivery performance to manage both the availability and quality of the user's experience.

Available on both hardware and virtual platforms, nGeniusONE leverages NETSCOUT smart data as a universal source for providing smarter analytics for end-to-end visibility throughout private, virtualized, public, and hybrid cloud environments.

ASI Technology

ASI technology transforms wire traffic into smart data, providing real-time visibility into user experience for the most advanced and adaptable information platform to ensure security, manage risk, and drive service performance.

NETSCOUT

Corporate Headquarters
NETSCOUT Systems, Inc.
Westford, MA 01886-4105
Phone: +1 978-614-4000
www.netscout.com

Sales Information
Toll Free US: 800-309-4804
(International numbers below)

Product Support
Toll Free US: 888-357-7667
(International numbers below)

NETSCOUT offers sales, support, and services in over 32 countries. Global addresses, and international numbers are listed on the NETSCOUT website at: www.netscout.com/company/contact-us

EPDS_025-1801