

nGeniusONE

Service Assurance platform

HIGHLIGHTS

- Service Assurance platform for network and application visibility, enterprise-wide and smart edge monitoring, analytics reporting, troubleshooting, and end-user experience analysis
- Patented and scalable ASI technology based on wire data increases the integrity, fidelity, and quality of analysis
- Provides insight into the performance of all infrastructure and application components involved in service delivery
- Recognizes more than 1000 voice, video and business data applications and protocols
- Supports Unified Communications & Collaboration service features including call setup / teardown and call quality analysis
- Views and reports from consistent, scheduled, configurable synthetic test analysis technology to improve end-user experience
- Dashboard, Service and Traffic Monitors with contextual Session Analysis and Packet Analysis drill downs
- Real-time proactive alerting notifies of problems before they become service impacting, user affecting events
- Customizable reporting module provides day- to-day business and operational reports which can be scheduled for daily, weekly and monthly delivery
- Scalable, enterprise-class architecture supports large scale geographically distributed deployments in physical, virtualized, hybrid, or cloud-based environments with single pane of glass
- Leverages unique active testing and passive packet-based visibility for enhanced end-user experience monitoring as part of NETSCOUT® Omnis™ Smart Edge Monitoring solution

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, service edges, and overall user experience to better support resource optimization and capacity planning.

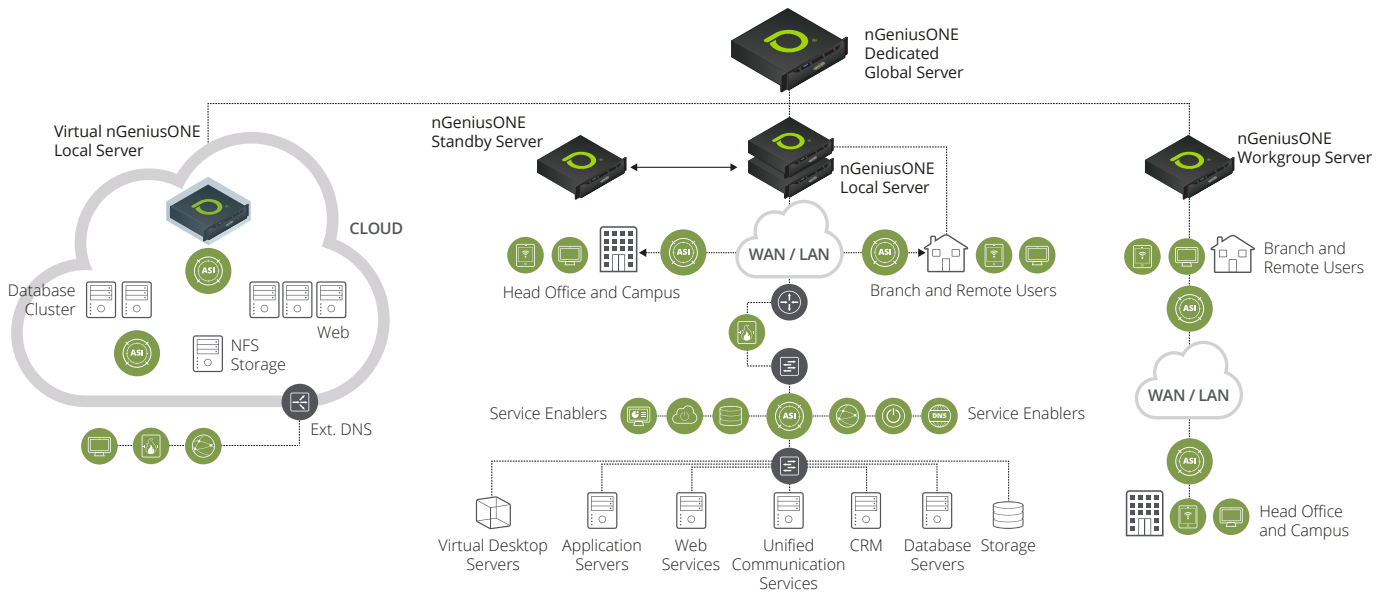
Powered by ASI technology, nGeniusONE relies on packet data to provide real-time, contextual analysis of network and service performance, availability and quality. With these insights, nGeniusONE can provide customers end-to-end visibility in complex physical, virtualized, and cloud-based deployments, 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)

* 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, including client edges, network edges, and data center / cloud service edges. 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.

Omnis Smart Edge Monitoring

nGeniusONE Service Assurance solution is the foundation of NETSCOUT's recently introduced Omnis™ Smart Edge Monitoring solution for service edge visibility and end-user experience assurance. With InfiniStreamNG® appliances deployed in service edges that match the path of critical application communications, such as data center core, around Internet access links, and at regional co-locations, rich end-through-end troubleshooting is more expeditious, cutting time to return valuable services to quality performance.

New capabilities have been introduced for the InfiniStreamNG appliances with Omnis™ Cloud Adaptor that enables smart data to be received from nGeniusPULSE nPoints strategically deployed throughout the enterprise. Synthetic tests, including business transaction tests (BTT), configured and scheduled to provide analysis from regional offices, branch locations, and even home offices for evaluating user experience with applications hosted in data centers, cloud, and SaaS environments, will now be sent to InfiniStreamNG appliances. The metadata generated from these tests are consumed alongside passive packet monitoring smart data to provide views and analysis that identify issues impacting end-user experience, along with details to quickly pinpoint the cause of the degradation. With many employees continuing to perform their job responsibilities remotely, this capability will improve productivity and ensure customer and revenue-related activities are kept in top operating condition.

nGeniusONE - Smart Edge Monitoring for Performance and Triage



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.

The nGeniusONE Service Assurance solution is also the foundation of NETSCOUT's Omnis Smart Edge Monitoring for service edge monitoring and end-user experience assurance.

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.



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