

# InfiniStreamNG Smart Visibility With NETSCOUT Cloud Adaptor

## Extended Visibility To Assure Remote End-User Experience Across Service Edges in Transformed Enterprise Networks

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### HIGHLIGHTS

- Integrated Smart Edge Monitoring technology add-on to InfiniStreamNG® hardware and certified & qualified software appliances
  - Maps NETSCOUT® nPoint synthetic test results to smart data generated by Adaptive Service Intelligence technology
  - Supports concurrent deployment with NETSCOUT vSTREAM™ virtual appliances and nGenius® Packet Flow Switches
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Today's business services and enterprise users are on the move, and information technology (IT) demands have forever changed as a result. Two concurrent enterprise business transformations have converged, leaving many IT teams feeling they have lost control.

First, business services formerly hosted inside company data centers now operate on various cloud, virtual, software-as-a-service (SaaS), and Co-located Data Center platforms (Co-Lo's) managed by numerous vendors, each with different service level agreements (SLAs).

Secondly, extending the enterprise IT environment to accommodate a hybrid workforce operating in corporate offices and remote locations has added complexity to IT visibility requirements.

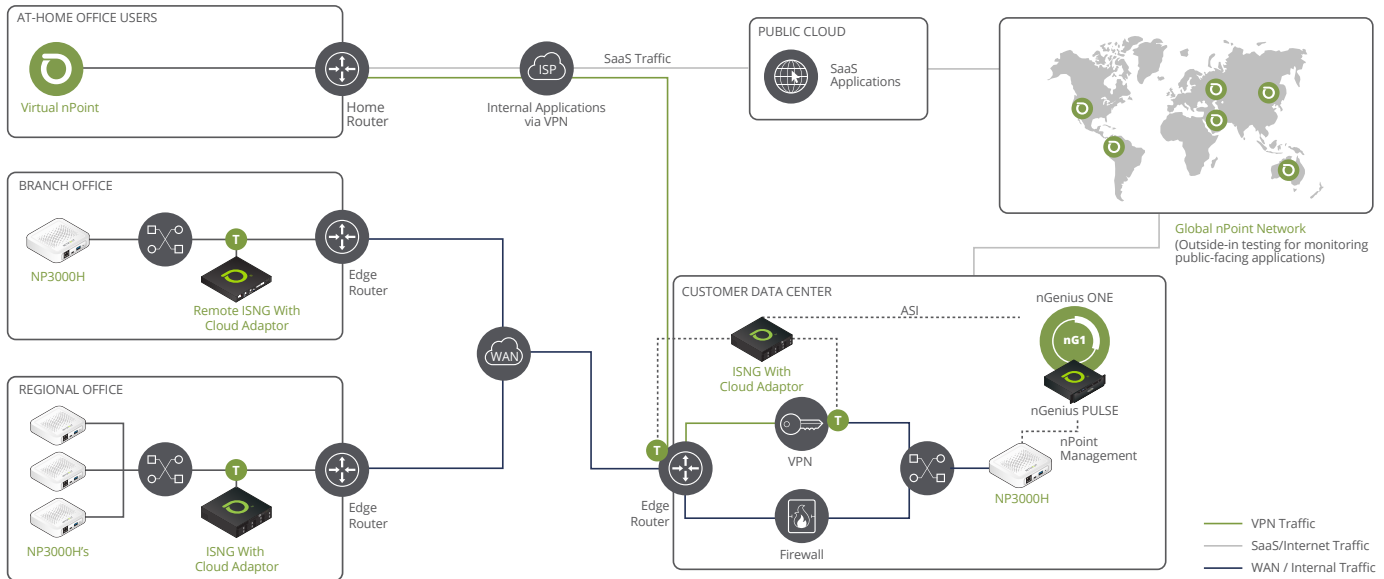
Truly assuring business service reliability now requires that IT teams have the means to visualize user experience on virtual private networks (VPN), software-defined wide area networks (SD-WANs), and Citrix or VMware Horizon virtual desktop infrastructure (VDI) services that are now mission-critical to today's enterprise.

The NETSCOUT Smart Edge Monitoring solution expands the scope of visibility into user experience and service delivery critically needed by IT operations to monitor and assure their transformed enterprise environments.

As an intrinsic element in the Smart Edge Monitoring solution, the NETSCOUT InfiniStreamNG (ISNG) appliance with Cloud Adaptor module uses our advanced Adaptive Service Intelligence® (ASI) technology to combine passive monitoring and synthetic testing intelligence in a single data source. Our nGeniusONE® Service Assurance platform's analytics use this blended data to assure service performance and quality user experience across any service, anywhere, on any platform – thus extending our NETSCOUT Visibility Without Borders approach across all service edges.

By incorporating NETSCOUT nPoint synthetic tests into end-user experience analysis with the data generated in real-time from passive network traffic monitoring by ISNG appliances, the Cloud Adaptor module provides enterprises with a first-of-its kind data source that extends the reach of nGeniusONE analytics into service edges and remote work environments.





**Figure 1. The Smart Edge Monitoring solution provides visibility across all service edges, with the ISNG with Cloud Adaptor module integrating wire-based passive monitoring and nPoint-generated user-experience metrics to equip IT with visibility and troubleshooting into service issues impacting employees – regardless of technology or location.**

The ISNG with Cloud Adaptor assesses both application performance and quality of end-user experience (e.g., login delays, webpage latency). The nGeniusONE analytics consume this blended packet data and synthetic tests to equip IT teams with the ability to monitor any environment (e.g., VPN, VDI, SD-WAN, Co-lo, SaaS, multi-cloud, and virtual platforms) and virtually all applications (e.g., Unified Communications & Collaboration, business, mobile, custom, and Web).

In this fashion, the NETSCOUT Smart Edge Monitoring solution returns control to today's IT operations teams, with nGeniusONE troubleshooting workflows that identify both root cause and ownership – within IT organizations or with vendor partners – to enable rapid restoration of enterprise business services to the reliable levels.

### InfiniStreamNG With Cloud Adaptor Module Overview

The Cloud Adaptor module is an integrated technology add-on available on most ISNG models, with this service edge visibility solution designed for deployment in environments ranging from remote sites and small offices to large-scale data centers. NETSCOUT ISNG appliance models<sup>1</sup> offering Cloud Adaptor functionality include:

- InfiniStreamNG hardware appliances
- NETSCOUT Certified InfiniStreamNG software appliances
- NETSCOUT Qualified InfiniStreamNG software appliances
- Remote InfiniStreamNG appliances

In addition, the Cloud Adaptor Module is supported on vSTREAM virtual appliances.<sup>2</sup>

### NETSCOUT Smart Edge Monitoring

With the combination of ground-breaking packet-level monitoring and continuous synthetic testing, the Smart Edge Monitoring solution provides comprehensive visibility and analysis into network and application performance, as well as end-user experience across environments ranging from remote locations and onto private and public cloud environments.

Smart Edge Monitoring is a first-of-its-kind solution, providing IT with the comprehensive visibility required to assure business continuity across today's client, network, cloud service, and data center service edges.

<sup>1</sup> The Cloud Adaptor is not available on certain ISNG appliance models. Please consult with your NETSCOUT Account Management team regarding ISNG appliances supporting Cloud Adaptor functionality best-suited for your Smart Edge Monitoring deployment.

<sup>2</sup> The current release excludes support for the vSTREAM Embedded (vSTREAM-EMB) agent.

The deployment flexibility provided by these appliance options enables enterprise IT teams to use Cloud Adaptor to gain unique visibility using passive monitoring and synthetic metrics to truly pinpoint the source of problems in complex environments by instrumenting client edges (e.g., branches, building floors, campus locations) and service edges (e.g., ISP/VPNs, Co-lo's, private and public cloud, data centers).

New capabilities have been introduced for the ISNG appliances with Cloud Adaptor that enable smart data to be received from nGeniusPULSE nPoints strategically deployed throughout the enterprise. Synthetic tests, including business transaction tests (BTT), are 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. The metadata generated from these tests are consumed alongside passive packet monitoring smart data to provide nGeniusONE 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.

For more information about the NETSCOUT Smart Edge Monitoring, please visit: [www.netscout.com](http://www.netscout.com)

## nGeniusONE Service Assurance Platform

The nGeniusONE Service Assurance solution is the foundation of NETSCOUT's 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



In the Smart Edge Monitoring solution, ASI technology transforms wire traffic and synthetic testing results 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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