

InfiniStreamNG Appliance

Smart Visibility for Service Assurance, Cybersecurity, and NETSCOUT Smart Edge Monitoring

HIGHLIGHTS

- Smart Data source for NETSCOUT® network, application, UC, business, and cybersecurity analytics
- Software and hardware ISNG appliance options operate in tandem, integrating with NETSCOUT's vSTREAM® virtual appliances for cloud and virtual environments
- Deployment flexibility – ISNG models suitable for remote & small-site environments to large-scale data centers
- Supports NETSCOUT Smart Edge Monitoring with addition of NETSCOUT Edge Adaptor for service edge and end-user experience monitoring on approved ISNG appliances

The InfiniStreamNG® (ISNG) appliance uses patented Adaptive Service Intelligence® (ASI) technology to generate the NETSCOUT “Smart Data” required for continuous and uniform visibility across today's large-scale network environments. The NETSCOUT nGeniusONE® Service Assurance platform's smart analytics consume this smart data to supply views, alerts, and reports on key performance indicators, network and application error details, specialized service monitors, session records, and packet decodes.

With the NETSCOUT solution, information technology (IT) teams and service providers today have the technology required to deliver superior user experience, while also ensuring successful digital transformation business objectives, including Data Center and Cloud migrations, Unified Communications (UC) rollouts, and Security Analytics initiatives, amongst others.

With ASI-generated smart data also serving as a common data source for NETSCOUT's vSTREAM virtual appliances for multi-cloud (e.g., Amazon Web Services, Google Cloud, Microsoft Azure, Oracle Cloud Infrastructure) and virtual (e.g., VMware NSX-V and NSX-T) environments, ISNG software and hardware appliances can be deployed in tandem with vSTREAM.

Deployment Options

Since network speeds, processing, and capacity needs vary, NETSCOUT offers several ISNG appliance models with different interface and storage capacities. Various ISNG models can be deployed in tandem for seamless analysis across the entire network, making it easier and more cost-effective to monitor and gather intelligence from multiple sources, with no disruption to business processes.

Equally significant, NETSCOUT offers ISNG software and hardware appliance options designed for deployment in any environment, ranging from the network edge, small remote facilities, satellite offices, and disaster recovery locations, onto the data center core.

In addressing scalability and monitoring needs in very large environments, multiple ISNG software and hardware appliances can be deployed to provide virtually unlimited scalability. IT teams can reduce management complexity in large networks with all ISNG appliances centrally managed through the nGeniusONE platform.

Additionally, with the addition of NETSCOUT Edge Adaptor, approved ISNG appliances are able to leverage smart data from nGeniusPULSE nPoint synthetic tests to provide visibility and analysis for smart edge and end-user experience monitoring with nGeniusONE.



ISNG Software and Hardware Appliance Approaches

Organizations embracing digital transformation face network and application visibility challenges, regardless of the next-generation platforms involved in such transitions. As evidenced in the descriptions that follow, NETSCOUT provides organizations with the flexibility to deploy ISNG software and hardware appliances in the manner best-suited to specific infrastructure and visibility requirements.

ISNG Hardware Appliances

Purpose-built ISNG hardware appliances offer optimized, hardware-accelerated, "tuned" configurations, delivering deployment, administration, and maintenance efficiencies.

With this approach, NETSCOUT provides a turnkey ISNG solution that includes both ASI software and NETSCOUT-certified hardware, offering enterprise and service provider customers the quickest time-to-deployment.

Certified ISNG Software Appliances

The Certified ISNG software appliance option factors deployment of a customer-provided hardware platform certified to support ISNG software.

With this option, the NETSCOUT-Certified Software+NIC kit (comprised of ISNG ASI software and an ASI Accelerator NIC) is purchased from NETSCOUT, and a hardware appliance is purchased from NETSCOUT's certified contract manufacturer. NETSCOUT provides full MasterCare support for the ISNG+NIC kit, as well as the hardware appliance.

This Certified ISNG software appliance approach offers 100% performance parity with ISNG hardware appliances.

Qualified ISNG Software Appliances

The qualified ISNG software appliance option accommodates organizations that have standardized on Dell or HPE platforms in their data centers, with ISNG software running on a recommended "off-the-shelf" server configuration tested and qualified for use with NETSCOUT's software.

With this option, the ISNG ASI software and an ASI Accelerator NIC are purchased from and supported by NETSCOUT, with hardware support purchased separately from the third-party hardware vendor.

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 user experience.

The nGeniusONE platform is the foundation of NETSCOUT's Smart Edge Monitoring solution for service edge visibility 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 multi-cloud environments.

ASI Technology



ASI technology transforms network packet 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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