

InfiniStreamNG Platform

InfiniStreamNG Platform for Service Assurance, Cyber Security and Big Data Applications

The InfiniStreamNG™ platform is a real-time information platform that supports service assurance, cyber security, and big data applications. Offered in software, virtual and appliance options, organizations will have flexibility in deployment alternatives, with multiple models and a variety of configuration choices in each category. This revolutionary new architecture mines IP traffic intelligence to deliver timely, accurate, and actionable business assurance information wherever it is deployed – data center, cloud, or hybrid infrastructure environments.

Problems Solved with InfiniStreamNG Platform

Marketplace competition for enterprise organizations today is fierce. Successful companies increasingly are accelerating their digital transformation with next-generation IT technology advances to help achieve

their revenue and customer satisfaction goals. When it comes to the challenge of supporting these innovations, enterprise IT organizations require flawless delivery, agility, and cost-effective operations. All that demands scalable, real-time access and visibility to mission-critical data for the purposes of service assurance, cybersecurity, and business analytics.

In a world where no two organizations are identical, NETSCOUT® recognizes that enterprises need flexibility in gaining visibility throughout their environments, including corporate data centers with virtualized server farms, campuses and branch offices, etc. Today's enterprises require multiple platform options to meet the needs of internal deployment design requirements, as well.

Only NETSCOUT offers the InfiniStreamNG platform, a powerful “anywhere” architecture that elegantly and seamlessly integrates the advanced and extended version of NETSCOUT's core Adaptive Service Intelligence™ (ASI) technology, called ASI

Plus. Flexibly offered as software, virtual and hardware appliances, the InfiniStreamNG platform will satisfy the real-time visibility and actionable intelligence requirements of enterprises, from their data centers to remote offices and locations in between.

The highly scalable InfiniStreamNG platform with ground-breaking ASI Plus technology passively and non-intrusively captures traffic to provide rich, detailed operational insights in live production environments. This powerful problem-solving platform manages digital services detected and captures transactions and sessions that make up an application service in real-time. The information is used by the nGeniusONE® Service Assurance platform to provide critical context, so IT teams across network, application, unified communications, server, and security domains can work collaboratively.

The correlated data is used for IP intelligence to spot network and application issues, understand the impact of enabling services

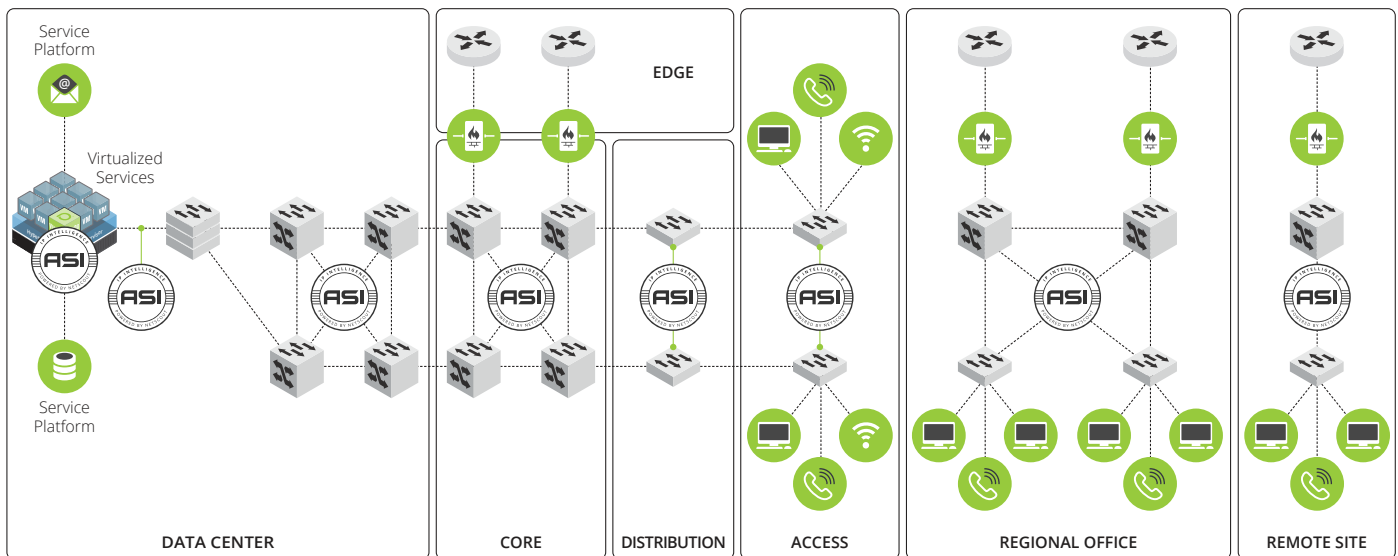


Figure 1: InfiniStreamNG platform is the only solution that offers optional hardware, software, and virtual appliance choices for the greatest flexibility in strategic deployment throughout an enterprise network. The diagram illustrates “anywhere” visibility throughout the enterprise with the InfiniStreamNG platform with ASI Plus technology.

on applications, distinguish application and network brownouts, identify server issues and security breaches, offer insights for infrastructure optimization and planning, and identify other significant service delivery problems.

While organizations benefit from end-to-end visibility for the entire enterprise, the challenge is to find the right InfiniStreamNG that meets the needs for the particular part of the enterprise environment. There is an InfiniStreamNG suitable for supporting monitoring needs for nearly any scenario, from small offices, to virtualized server environments, to large enterprise data centers.

As networks grow, achieving scale becomes a critical enterprise requirement. To solve scalability and monitoring needs of very large environments, multiple appliances can be deployed to provide virtually unlimited scalability. Finally, to reduce management complexity in large networks, all appliances are centrally managed through the nGeniusONE platform.

InfiniStreamNG Platform

The InfiniStreamNG with ASI Plus is pioneering technology enables support for a wide range of new analytics software, offering a highly versatile, real-time metadata analysis for your business assurance requirements. The platform is used as the foundation for the nGeniusONE solution, long relied on by Network Operations teams, and now valuable to all aspects of IT and Security Operations across enterprise, public sector, and service provider organizations.

At its core, ASI Plus technology, offers a high-performance deep-packet inspection engine for analysis of traffic flows for comprehensive views of service, network, application, and server performance across complex multi-tier, multi-domain service delivery environments.

ASI Plus technology features a robust deep packet inspection and analysis engine that has the ability to dynamically recognize different digital services, applications, and protocols behind each IP session and deliver detailed performance metrics in real-time to the nGeniusONE platform.

The family consists of the InfiniStreamNG hardware appliance, InfiniStreamNG software appliance and InfiniStreamNG virtual appliance to achieve enterprise deployment flexibility covering data centers, server farms, headquarters, branch offices, and a multitude of small sites.

InfiniStreamNG hardware appliance -Best-in-class, performance-optimized appliance offered with a variety of configuration choices to support 100/1000 Mbps, 10GbE, 40GbE, and 100GbE interfaces, and up to 288TB of disk storage space.

InfiniStreamNG software appliance – The same dependable InfiniStreamNG software with the ASI Accelerator kit can be installed on customer-provided hardware appliances dedicated to the InfiniStream application.

InfiniStreamNG virtual appliance – Running the same software as the hardware appliance, supports both VMware and OpenStack/KVM virtualized environments with a variety of configuration options to fit different instrumentation needs.

Some of the unique capabilities of the InfiniStreamNG platform include:

- High-resolution visibility into packet data with deep packet analysis that identifies thousands of protocols and applications
- Generates real-time performance, traffic, and error metrics, as well as session event records
- Flexible deployment options – hardware, software, and virtual
- Extensible software architecture enables customizable support for new protocols and analysis metrics through software-based ASI Plus analysis with ASI Extender

The InfiniStreamNG platform delivers end-to-end visibility for network, application, and unified communications service assurance, cybersecurity, and IT operational analytics. A common foundation of proven technology is shared across this platform, including scalability, speed, agility, continuous packet-flow monitoring and data capture, simultaneous deep packet inspection and analysis, and metadata creation.

Benefits of InfiniStreamNG Platform

- Optimize investment in NETSCOUT nGeniusONE solution that supports all the InfiniStreamNG appliances for network and applications service assurance, unified communications service assurance, cybersecurity, and IT operational analytics
- Avoids disruption on production networks, with passive, non-intrusive platform
- Cost-effective, common architecture for all instrumentation that eliminates middleware
- Future-proof architecture platform that provides pervasive visibility with powerful ASI Plus technology for today and tomorrow's business assurance demands
- Reduces time to value with plug-and-play deployment that harnesses the full power of IP intelligence, recognizing thousands of common protocols and applications
- Implementation agnostic, suitable for any environment –service provider, enterprise, cloud, hybrid, etc.
- Greatest flexibility for strategic deployment throughout the network, with optional hardware, software, and virtual appliance families all part of the same InfiniStreamNG platform

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