

nGenius InfiniStream Appliance

Why Consider nGenius InfiniStream Appliance for Intelligent Deep-Packet Capture and Analysis?

nGenius® InfiniStream® appliance uses intelligent deep-packet capture and analysis technology to deliver dedicated, always-on, service, subscriber and network performance intelligence for today's IP service delivery networks. Used standalone, with Sniffer® Analysis or as the foundation for nGenius Service Assurance Solution, nGenius InfiniStream appliance analyzes the traffic packets traversing the network for pervasive service performance visibility and rapid problem isolation.

What Problems Does nGenius InfiniStream Appliance Help Solve?

nGenius InfiniStream appliance is a dedicated device that operates on a 24x7 basis, passively collecting, inspecting, analyzing and storing both data plane and control plane

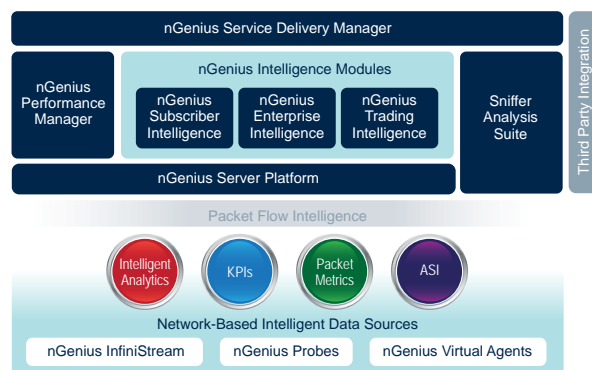


Figure 1: nGenius InfiniStream appliances provide the intelligent data source for the nGenius Service Assurance Solution.

traffic. This method provides the best approach to understanding user experience in modern IP networks. nGenius InfiniStream appliance forms the foundation for nGenius Service Assurance Solution. Recommended applications include:

- Troubleshooting application and user experience problems in LTE/EPC, 2.5G GPRS, 3G UMTS/HSPA+ and CDMA2000, IMS/VoIP, wireline and cable MSO service delivery networks
- Proactive identification of anomalous application behavior
- End-to-end visibility into service, subscriber and network performance
- Performance analysis and reporting of user experience in IP networks
- Real-time voice quality assurance through direct RTP media stream and IP voice signaling monitoring
- Mobile data analytics reporting and analysis for handsets and subscribers in mobile networks
- Assuring mobile data services delivered to roaming customers
- Accelerating new service, device and network implementations
- Monitoring performance of Session Initiation Protocol (SIP)-based IP voice peering points between network operators
- Cyberthreat detection and reporting
- Remote packet capture and real-time forensic analysis with packet export

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nGenius InfiniStream appliance is built on a high-performance, highly available purpose-built Linux®-based platform. It has the key features service providers need to implement their service delivery management architecture. It supports a wide range of network interfaces and protocols, generates user experience-centric Key Performance Indicators (KPIs) and metrics tailored for IP environments, and can be remotely managed and accessed for fast, real-time troubleshooting and forensic analysis.

nGenius InfiniStream appliances leverage Adaptive Session Intelligence™ (ASI), a real-time data mining engine that allows service providers to effectively scale their service delivery management solution to accommodate the explosive growth in IP traffic. ASI is made up of the Adaptive-Common Data Model (A-CDM), Adaptive Session Records (ASRs) and Adaptive Session Trace (AST).

With A-CDM technology, nGenius InfiniStream appliance succeeds in delivering complete visibility into monitored traffic flows and packets. The combination of these critical functions—packet-flow-based data monitoring, visibility into individual subscriber sessions, and integrated packet-based forensic analysis help service providers accelerate problem resolution, optimize service delivery environment and protect user experience.

nGenius InfiniStream 6900 Series Appliance Options

The nGenius InfiniStream 6900 Series appliance leads the industry in deep-packet capture and analysis-enabled devices. With robust performance, storage capacity and

resiliency, nGenius InfiniStream 6900 Series appliance is deployed at service aggregation points such as the core, data center server farms and other high-capacity locations.



Figure 2: nGenius InfiniStream 6900 Series appliance.

nGenius InfiniStream 7900 Series appliance is designed for service provider environments, major data centers and other sites that have high-traffic volumes and vast storage needs. With multiple 10 GbE interfaces, accelerated packet processing, expandable storage up to 96 TB and fast stream-to-disk rates, nGenius InfiniStream 7900 appliance provides the scalability to address the service delivery management requirements service providers have as they transition to next-generation IP networks.



Figure 3: nGenius InfiniStream 7900 Series appliance.

What Are The Benefits?

nGenius InfiniStream appliance provides the industry's most feature-rich and scalable source of packet-level intelligence demanded by today's mobile and fixed service providers. Deploying nGenius InfiniStream appliance within the service delivery environment helps service providers confronting complex IP service delivery challenges to:

- Transform their service delivery management from reactive to proactive
- Enable real-time visibility into network and application performance
- Accelerate identification and isolation of the root cause of problems affecting user experience
- Avoid lost time waiting for a problems to reoccur

- Scale their service delivery management solution through seamless integration with existing deployments of nGenius intelligent data sources
- Reduce operational costs and increase manageability
- Efficiently use maintenance/data center LAN resources

By deploying nGenius InfiniStream appliance as part of a comprehensive service delivery management strategy, service providers can:

- Optimize availability of the service delivery environment, better leverage existing investments, and accelerate introduction of new services with confidence
- Protect service continuity, network performance, and assure the quality of subscriber experience
- Simplify operations, improve workflows, reduce complexity, improve efficiency and lower operational expenditures (OPEX)

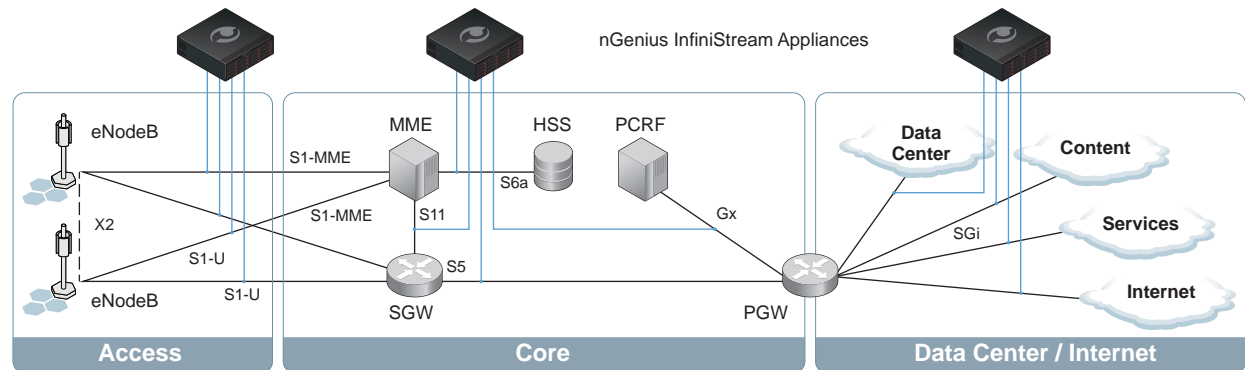


Figure 4: nGenius InfiniStream appliances strategically deployed in an LTE/EPC network for data center, core and Radio Access Network (RAN) coverage.



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NetScout offers sales, support, and services in over 32 countries.

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