NETSCOUT®

Omnis AI Insights Solution

BENEFITS
Fuel AI-Driven Processes

NETSCOUT's latest innovation aligns seamlessly with the evolution of AIOps and intelligent service delivery, leveraging AI/ML to revolutionize and automate key aspects of IT operations and ecosystems—ensuring your business stays ahead of the curve.

Focused Insights

Reduce data saturation with refined curation, making AIOps initiatives more manageable, actionable, and relevant for specific use cases.

Enhanced Analysis

Augment analysis with Deep Packet Inspection (DPI) insights for faster troubleshooting and more successful business outcomes.

Accelerate ROI

Easily extend the value of your data to AIOps and security platforms, deploy cost-efficient solutions, and leverage instrumentation for greater scalability.

Enhance business outcomes and workflows with the best source of enterprise-grade operational intelligence available—improving decision-making, enabling faster recovery times, and optimizing user experience. The Omnis® AI Insights solution from NETSCOUT® delivers curated, high-fidelity metadata derived from packet flows to identify and correlate observability trends, streamline and automate data analysis, uncover historical operational patterns, and detect unforeseen issues and security risks that could lead to future service outages and data breaches. Consumable, scalable metadata derived from deep packet inspection (DPI) is generated by the Omnis AI Sensor and organized into targeted feeds by the Omnis AI Streamer, forming the Omnis AI Feed. These data streams, tailored for many different use cases, help IT organizations ensure efficient operations, cybersecurity, business continuity, and quickly identify reasons for application or service disruptions to resolve them faster.

High-fidelity, curated metadata (Figure 1) is ingested into the Omnis AI Streamer either through strategically placed Omnis AI Sensors throughout the network or by using an Omnis AI Sensor Adaptor with InfiniStreamNG®, vSTREAM®, and CyberStream® network sensors. This process generates high-quality contextual telemetry powered by NETSCOUT analytics. Omnis data can be easily ingested into data lakes or streamed through pipelines to our NETSCOUT partners such as Splunk, ELK Stack, ServiceNow, and others.

The Omnis AI Feed provides high-detail, consumable operational intelligence that can be ingested into data lakes, SIEM, SOAR, or XDR platforms—where it can be enriched and correlated with other data sources, such as log data, according to your preferences. It can also be filtered to provide you with exactly the right amount of aggregated metadata, session data, and IP intelligence to address various critical AIOps and security use cases, including:

· Application and service performance
· Cloud migration projects
· Asset management
· Service level objectives
· Application certificates management
· Unified communications
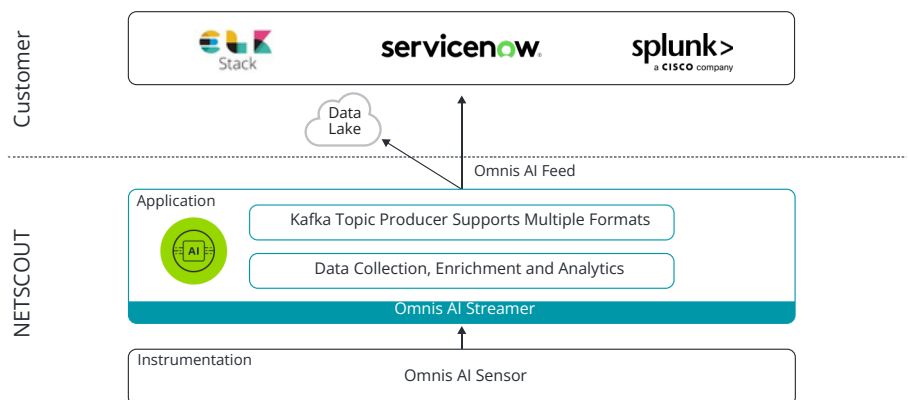· Cybersecurity (threat detection, investigation, and compliance)

Figure 1 : The Omnis AI Insights solution integrates seamlessly with NETSCOUT channel partners and supports data input through an Omnis AI Sensor or with an Omnis AI Sensor Adaptor with InfiniStreamNG, vSTREAM, and CyberStream instrumentation.
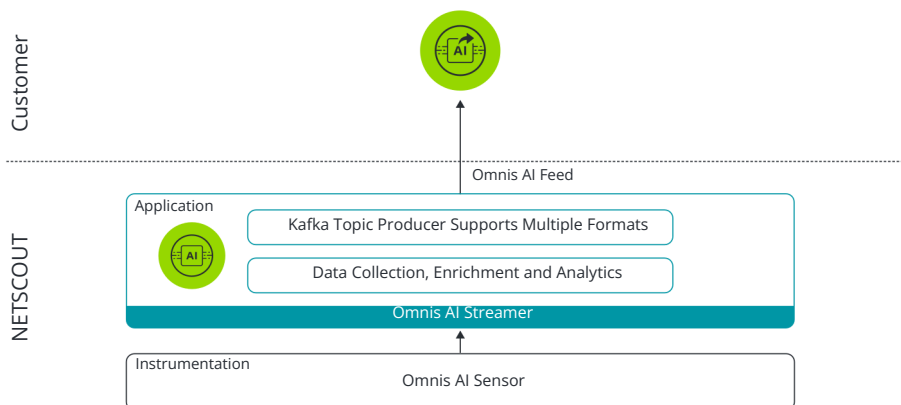
Figure 2: The Omnis AI Streamer supports exporting to the industry-standard Kafka interface and offers output file formats in JSON, CSV, or others.

Omnis AI Streamer architecture is designed to scale with organizational needs and supports the correlation, organization, and export of metadata across distributed networks of any size. Its horizontal scalability starts from a single node installation and extends to any number of nodes based on capacity needs. This agile data-enablement approach provides virtually unlimited and unrestricted functionality. As part of this approach, the Omnis AI Streamer acts as a data producer, seamlessly integrating with the Kafka ecosystem to push data to the Kafka broker (Figure 2). It supports common output formats including JSON (Kafka) and CSV (Local Filesystem Write).

Modern enterprises require seamless end-through-end network and application management. This ensures the performance, availability, and security of applications, network services, workflows, and more across complex data center, cloud, and hybrid infrastructures to maintain critical business services. The key to success lies in the ability of IT disciplines, such as Application Teams, ITOps, NETOps, SECOps, and others, to use AIOps practices that combine human and technological applications of AI/ML, advanced analytics, and operational insights to promptly remediate issues or automate issue resolution.

The Omnis AI Feed fosters rapid decision-making and deeper business intelligence, supporting:

· User experience optimization
· Application and service assurance
· Asset management and performance of network components
· Custom or partner operational workflows
· Data enrichment
· Custom use cases
· Integration with other data sources
· Historical analysis
· Behavioral analysis
· Machine-driven analysis
· Forensic analysis
· Cyber threat detection and incident response
· Vulnerability and compliance management

LEARN MORE

For more information, please visit NETSCOUT online:

www.netscout.com/solutions/omnis-ai-insights

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