



# LogWave™

*SIEM for log and event collection, correlation, and analytics*

## Features & Benefits

- » *SIEM capabilities for real-time log and event collection, correlation, and analytics*
- » *Logs are compressed and stored in the NIKSUN Knowledge Warehouse (NKW) for space-saving and fast access*
- » *Real-time as well as historical analysis*
- » *Support hundreds of pre-classified log types such as firewall, system, authentication, networking logs, etc.*
- » *Rich Executive Dashboards, IOC Dashboards, and comprehensive reports for automated and optimized workflows*
- » *Super-fast full or partial string search*
- » *Supports Sigma rules for powerful, flexible event searches*
- » *Can be deployed as a standalone product or add-on to NIKSUN appliances*
- » *SOAR (Security, Orchestration, Automation, and Response) integration for consolidated intelligence and immediate response*
- » *Reduce the mean-time-to-resolution (MTTR) for incidents, thereby reducing operational costs*
- » *Flexible and scalable on-demand and scheduled reporting for both real-time operations and strategic decision making*
- » *Plug-and-play device with minimal training and absolutely no network downtime*

## Challenge

Network analytics for security and performance only takes us as far as identifying the device or node (server, router, etc.) where the problem resides. Looking inside the device requires the use of agents to collect data from within the device or correlation of network analytics with device logs.

Analyzing encrypted tunnels is also a challenge from observation of network data alone. Using logs can help pinpoint applications and/or users responsible for malicious activities.

Compliance requirements also demand that logs be stored for a period of time.

Using logs as another source of information satisfies both compliance requirements as well as pinpointing the root-cause of a problem. Thus, storing logs and events and being able to search on them closes a gap in security or performance incident analytics.

## Solution

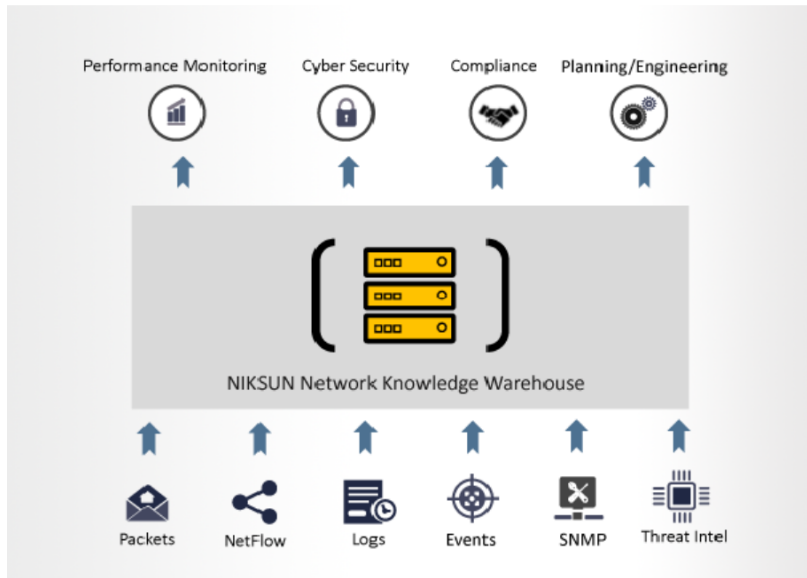
NIKSUN® LogWave is a next-generation Security Information and Event Management (SIEM) engine that provides real-time analysis of security alerts generated by applications and services. It ingests hundreds of log and event types into the NIKSUN Network Knowledge Warehouse (NKW) for powerful and reliable root-cause analytics while satisfying compliance requirements for log retention.

LogWave records, aggregates, and indexes logs and events and correlates them with network information in the NKW (packets, flows, application data, SNMP, etc.) to detect root-cause of any security or performance incident in record time. LogWave (powered by the NetTrident agent) enables efficient collection of logs and events from distributed sources and forwards them to centralized systems such as NIKSUN NetOmni or other third-party platforms. In scenarios where connectivity is disrupted, LogWave automatically caches incoming data and resumes forwarding once the connection is re-established—ensuring zero data loss during transit interruptions.

Logs and events collected by NetTrident agents are transmitted to LogWave appliances over encrypted SSL/TLS channels, safeguarding the data against interception and ensuring confidentiality across all communications. Network data sourced from packets correlated with logs offers insights that provide the full picture of network transactions, by offering visibility into the source of the activity such as applications and users even if the session itself was encrypted. NIKSUN's ability to correlate packets and logs and generate reports combining intelligence from all data types provides an edge over other tools in the market.



LogWave also alerts on issues via statistical, anomaly, and expert analytics. It can simultaneously monitor a virtually unlimited number of servers with various log types at extremely high speeds. It is capable of storing log data for days, months, or even years.



Consolidated Network Intelligence

LogWave is a cost-effective solution for achieving maximum visibility into the network by monitoring and analyzing network endpoints. It interoperates seamlessly with NIKSUN's NetOmni™ Suite and additionally leverages the NIKSUN NKW for a contextual perspective of application performance, service delivery impediments, network integrity, and security breaches.

### Flexibility and Scalability

NIKSUN LogWave scales to meet any organization's needs, large or small. LogWave can store log and event data in the order of hundreds of gigabytes all the way up to petabytes. LogWave's scalable technology is able to aggregate, correlate and search up to hundreds of petabytes today. It seamlessly ingests logs and immediately gives actionable information from the generated metadata and correlates that data with any other data in the NIKSUN ecosystem. LogWave is customizable to meet one's distinct requirements. Through NIKSUN NetOmni, multiple LogWave units can be easily accessed in a grid manner providing actionable data and reporting across the entire network, even across physical-cloud hybrid environments.

With the availability of LogWave from NIKSUN, IT and business users are now equipped to correlate events across all their data sources – Packets, Flow, SNMP, Logs, and Events.

### Technical Information

- » *Log Types Supported - Hundreds pre-classified, including firewall, system, authentication, networking logs, and more. All logs are ingestible.*
- » *Hash algorithms protect stored logs, ensuring their integrity for audits and investigations.*
- » *Form Factors - 1U, 3U, and 4U physical solutions, with public and private cloud solutions available. Compatible with unlimited external storage.*
- » *Integration - Authentication - TACACS+, RADIUS, LDAP and Active Directory. All NIKSUN products integrate with NIKSUN NetOmni™ Full Suite for enterprise-wide data aggregation, reporting and visualization.*

Interested in learning more?

For more information, please visit us online at [niksun.com](http://niksun.com).



457 North Harrison St. • Princeton • NJ 08540 • USA  
 t: +1.609.936.9999 • f: +1.609.419.4260  
 info@niksun.com • www.niksun.com

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