

NIKSUN®

# NetTradeWatch Instant Analysis

*“NIKSUN’s unique and customized financial data monitoring solutions enable us to gain a holistic view of our infrastructure, from end-to-end. The ability to capture, analyze, alert, and store all metadata allows us to respond faster and to be proactive in reducing issues, removing unused circuits detected by NIKSUN, and optimizing our resources.”*

- Credit Suisse

Financial trading infrastructures and investment banks have a unique set of monitoring standards in an already highly dynamic and complex environment. Not only do they interact with and employ some of the world’s most demanding people, but issues stemming from trading applications have the potential to develop into the wins or losses of millions of dollars. So when a transaction is delayed or lost, it is critical to know what went wrong and how it can be prevented from reoccurring. Time is the key competitive advantage in high speed trading - milliseconds can render monumental success or immense failure.

At that, the profitability of every organization is intrinsically linked to the integrity of its network, making infrastructure monitoring imperative.

## Finally, a solution that WORKS

With out-of-the-box functionality and easy-to-customize dashboards, NetTradeWatch provides end-to-end visibility into the financial network environments like no other solution.

**Zero**  
Packet Loss

**100%**  
Accurate Decoding

**Single**  
Click Correlation

## Best in class RMDS monitoring solution

NIKSUN Market Data Analysis is an optional turnkey NetTradeWatch solution module that acts as a third party integration solution. Market Data Analysis analyzes high speed application messaging for Thomson Reuters® products used for the high speed delivery of market data using the Reuters Market Data System (RMDS) infrastructure.

Market Data Analysis presents crucial analysis of infrastructure traffic, enabling network infrastructure teams to proactively gain actionable details regarding latency and data loss. Additionally, NIKSUN Market Data Analysis continuously monitors the RRCP backbone to detect and alert on gaps, sequence loss, retransmits, and abnormally high traffic volumes over microsecond timeframes.

## Complete and pin-point accuracy report

With independently tested lossless packet capture ability, NetTradeWatch produces reports that are complete, accurate, and represent actionable intelligence. Reports will always tell the complete story - not just parts of it.

## Trade Network Performance Monitoring

**Analyze financial transaction and associated market data feeds for complete insight into high transaction environments.**

NIKSUN® NetTradeWatch is a trade transaction and market data monitoring appliance software engineered to address the needs of highly dynamic and complex trading environments. NetTradeWatch combines the critical capabilities of multicast data monitoring, delay measurements, and transaction analytics for 100% visibility into the financial network environments like no other solution.

Sustaining the competitive trading advantage, NetTradeWatch delivers the invaluable ability to analyze, report, and troubleshoot market data feeds and trade transactions. The result: end-to-end performance monitoring from trade execution to real-time exchange with the ability to easily zoom in on packet level details of interest.

## Complete Transaction Analysis

**Correlate application layer analytics with network statistics for fast and accurate detection of bottlenecks and other causes of latency**

NetTradeWatch incorporates support for a variety of feed protocols - MOLDUDP, CQS, TIBCO, ARCA FAST, CQLS, ITC-C, RLC, and UQDF - across trade messaging technologies. Paired with best-in-class NIKSUN hardware, transactions are analyzed by NetTradeWatch to compute statistical information on the volume and types of trade orders, and further correlated to response times to establish the sustainability of the trading infrastructure.

### Package Availability:

NetTradeWatch is available with its optional Market Data Analysis feature on NIKSUN 6150 and 7450 Series hardware platforms.

NIKSUN NetTradeWatch Hardware Series Platforms	
<b>7450 Series</b>	
Storage	48 TB+
Network Interface Card	4 - port 10 G SMF/MMF
RAM	128 GB
Form Factor	3U+
<b>6150 Series</b>	
Storage	48 TB+
Network Interface Card	4 - port GE Copper/Fiber 2 - port 10 G SMF/MMF
RAM	64 GB
Form Factor	3U

## Technical Information

**Protocols Supported:** RRCP, RSSL, RRMP, HSM, TCP, UDP, ARCA FAST, MOLDUDP, CQS, TIBCO, CQLS, ITC-C, RLC, UQDF, FIX, and more.

**Integration:** *Authentication* - TACACS+, RADIUS, LDAP and Active Directory. All NIKSUN products integrate with NIKSUN NetOmni™ Full Suite for enterprise-wide aggregation, reporting and visualization.

Interested in a free demo and learning more?

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



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*About NIKSUN, Inc. NIKSUN is the recognized worldwide leader in making the Unknown Known. The company develops a highly scalable array of real time and forensics-based cyber security and performance management solutions for large enterprises, government & intelligence agencies, service providers and financial services companies. NIKSUN's award winning enterprise solutions deliver unprecedented flexibility and packet capture power. The company's patented real-time analysis and recording technology is the industry's most comprehensive solution for secure and reliable network infrastructure and services. NIKSUN, headquartered in Princeton, New Jersey, has sales offices and distributors throughout the US, Europe, the Mid East and Asia-Pacific. For more information, please visit [www.niksun.com](http://www.niksun.com).*

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