Securing HPE Nonstop Environments with AI

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Our Agenda

- Company **Introduction**
- Evolution of **Fraud and Cyber attacks**
- Rising sophistication of **Cyber Threats with AI**
- Embracing AI for **Enhanced Fraud Prevention**
- About **INETCO BullzAI**

NonStop

Customers From Around The World Use INETCO's Products

Financial Institutions	American Express	BECU	Santander	Standard Bank	Woodforest National Bank
National Switches	ALTO	BKM	Interswitch	1 LINK	
POS Processors	e-global	FIS	Moneris		
Retail	Publix	Walmart			
Others	CU ANYTIME	fiserv.	pulse A DISCOVER COMPANY		

How INETCO and HPE Work Together

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- INETCO became an HPE Silver partner in 2019
- NonStop servers are ubiquitous, used by over 50% or Global 500 banks.
- Co-developed a collector that integrates HPE NonStop log data directly into INETCO's solutions
- Enables FI's using NonStop servers to benefit from INETCO's fraud prevention and cybersecurity solutions

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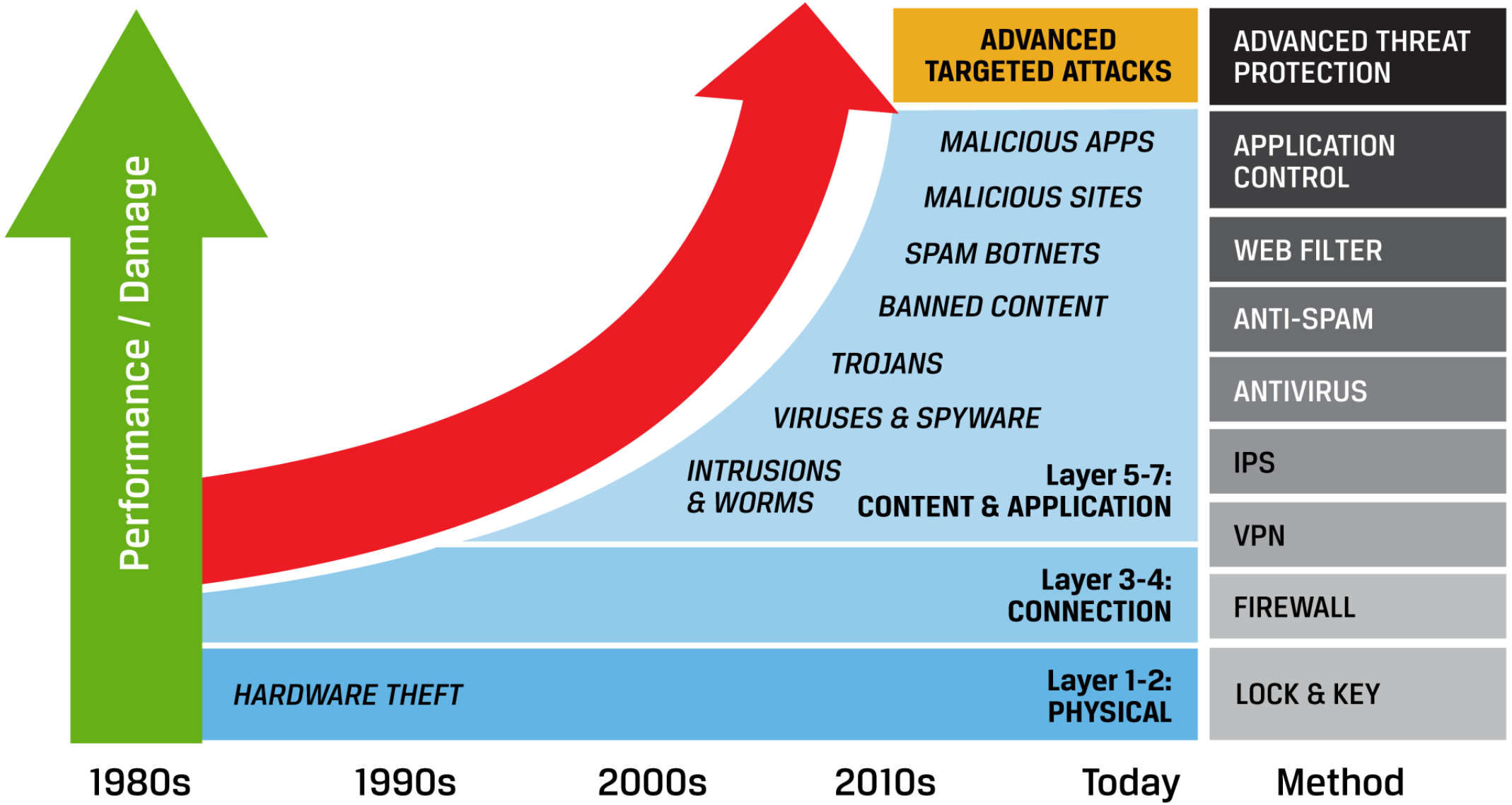
Every transaction tells a story®

The Evolving Payment Fraud and Security Landscape

Evolution of security...



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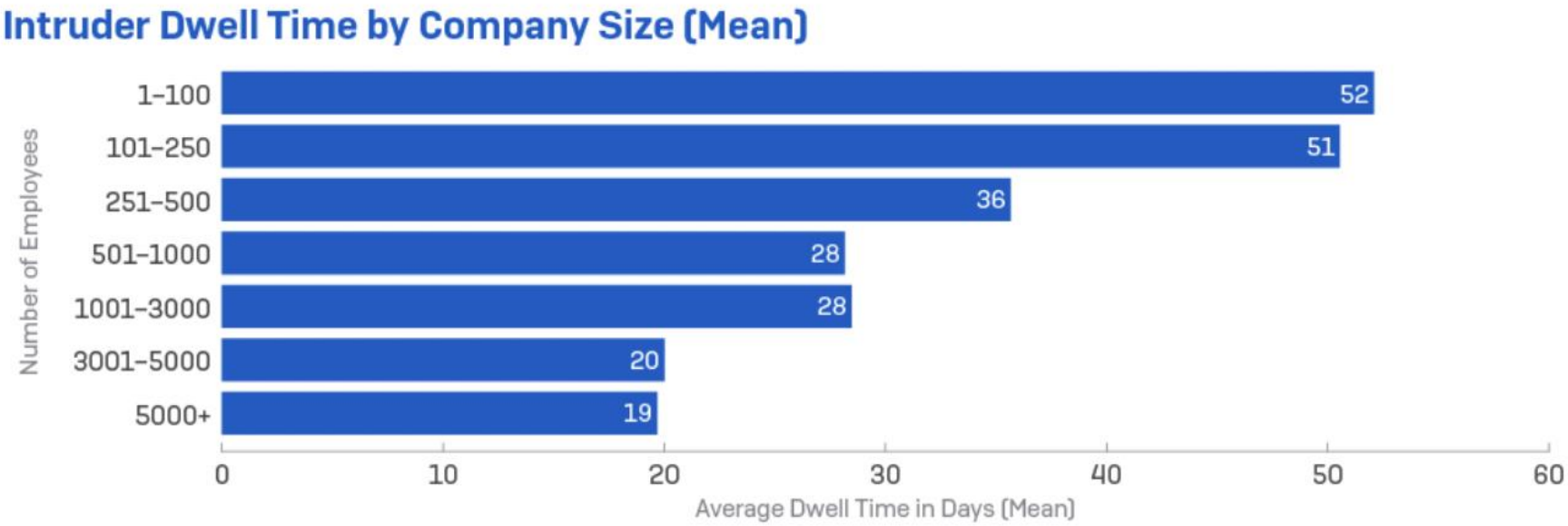
Digital Transformation

82%

Time To Detect Compromise Is High…

34

Median number of days advanced attackers are on the network before being detected



A Multinational Bank Lost $19M In 3 Hours And Didn't Know For Several Days

The Target Bank

- With over 8,000 ATMs, 40,000 POS devices, and millions of online transactions
- lacked early detection and prevention of irregular transactions
- Did not have real-time end-to-end visibility into every transaction

The Attack

- Hackers installed malware that would automatically approve their transactions by bypassing the host
- Fraudsters took $19M in under 3 hours without the bank knowing about it until days later
- Highlights the banks inability to see the problem as it occurred and their inability to stop the problem

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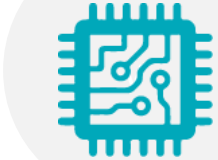
Embracing AI for Enhanced Security in HPE NonStop Environments

AI Threats to Your HPE NonStop Environments

Spear Phishing and Social Engineering



Man-in-the-Middle Attacks

Distributed Denial of Service (DDoS) Attacks

Insider Fraud

Advanced Persistent Threats (APTs)

AI Dataset Poisoning and Adversarial Learning

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AI-Based Fraud Prevention Landscape

Machine Learning & Deep Learning

User and Entity Behavior Analytics (UEBA)

Biometrics

Risk Scoring and Fraud Prediction

Automation and Orchestration

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Combining AI and Traditional Methods

6 Ways Adding AI Benefits Traditional Systems

Integrating AI with Tradition Fraud Prevention

While conventional methods often rely on static rules and manual analysis, AI brings dynamic capabilities such as machine learning, pattern recognition, anomaly detection, and real-time decision-making. By incorporating AI-driven techniques into existing fraud prevention solutions, businesses can significantly improve the accuracy and efficiency of their fraud detection processes.

Data Aggregation

Implementing Machine Learning Models

Real-time Monitoring

Adaptive Risk Scoring

Automation and Orchestration

Continuous Learning and Improvement

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Benefits of Using AI to Secure HPE NonStop Environments

Enhanced Fraud Detection

Improved Security Posture

Faster Response Times

Reduced Operational Costs

Regulatory Compliance

Staying ahead of Cybercriminals

Enhancing Customer Trust

Streamlining Operations & Supporting Digital Transformation

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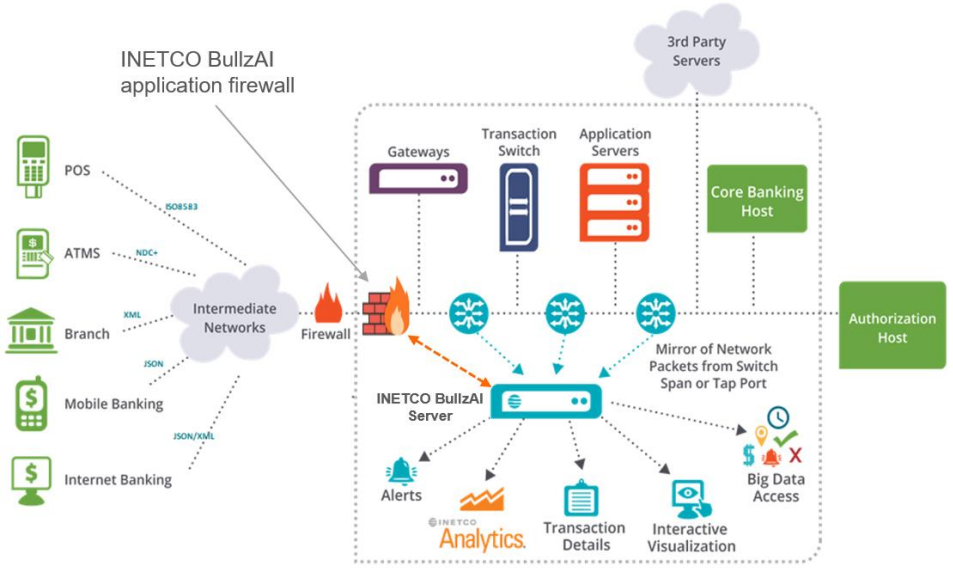
How INETCO BullzAI Can Help Fight Back Against AI Driven Payment Fraud

INETCO BullzAI Payments Fraud Prevention



An Intelligent container-based Application Firewall controlled by machine learning that **blocks at the network level on any range of fields** rather than at the Port and IP Address level.

How does INETCO BullzAI work?

- Uses a sensor network to capture, decode, correlate and analyze network and application payload information in real-time.
- ML creates a unique behavioral profile of every interacting user, device, and entity. When their behavior is out of pattern INETCO BullzAI can pick up new and emerging trends much quicker than other solutions.
- The INETCO BullzAI application firewall can automatically block (or rate limit) at the message level, not IP address and port. Malicious traffic is blocked; legitimate transactions are not.

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INETCO BullzAI - Advanced Machine Learning and Analytics

Comprehensive monitoring

Proactive Threat Detection

Streamlined Incident Response

Regulatory Compliance

Scalable and Adaptable solution

Harnessing the power of AI

Continuous learning and adaptation

Real-time Decision-Making

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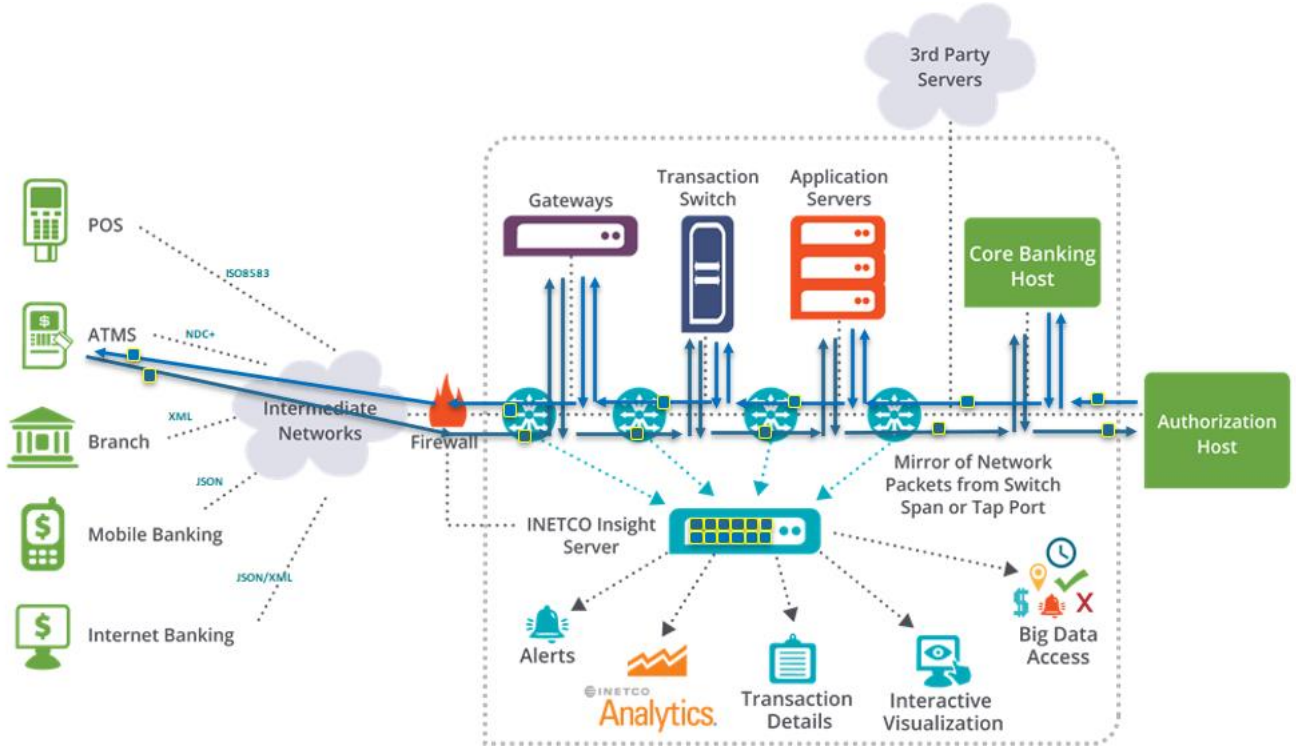
INTECO BullzAI Real-time Data Capture for Every Transaction Channel

Acquires network and application data to which other fraud detection solutions don't have access



INETCO BullzAI's unique data intelligence platform is deployed at some of the **worlds largest financial institutions**, payment processors, and retailers

- Better data enables better fraud detection:
  - Network data
  - Application data
  - Application payload data
  - On-us and off-us traffic
  - Every electronic channel
- Sees data fraudsters can hide from others.
- Public cloud, private cloud, on premise and hybrid deployment.
- No latency added to transactions.
- No integration required & PCI compliant.

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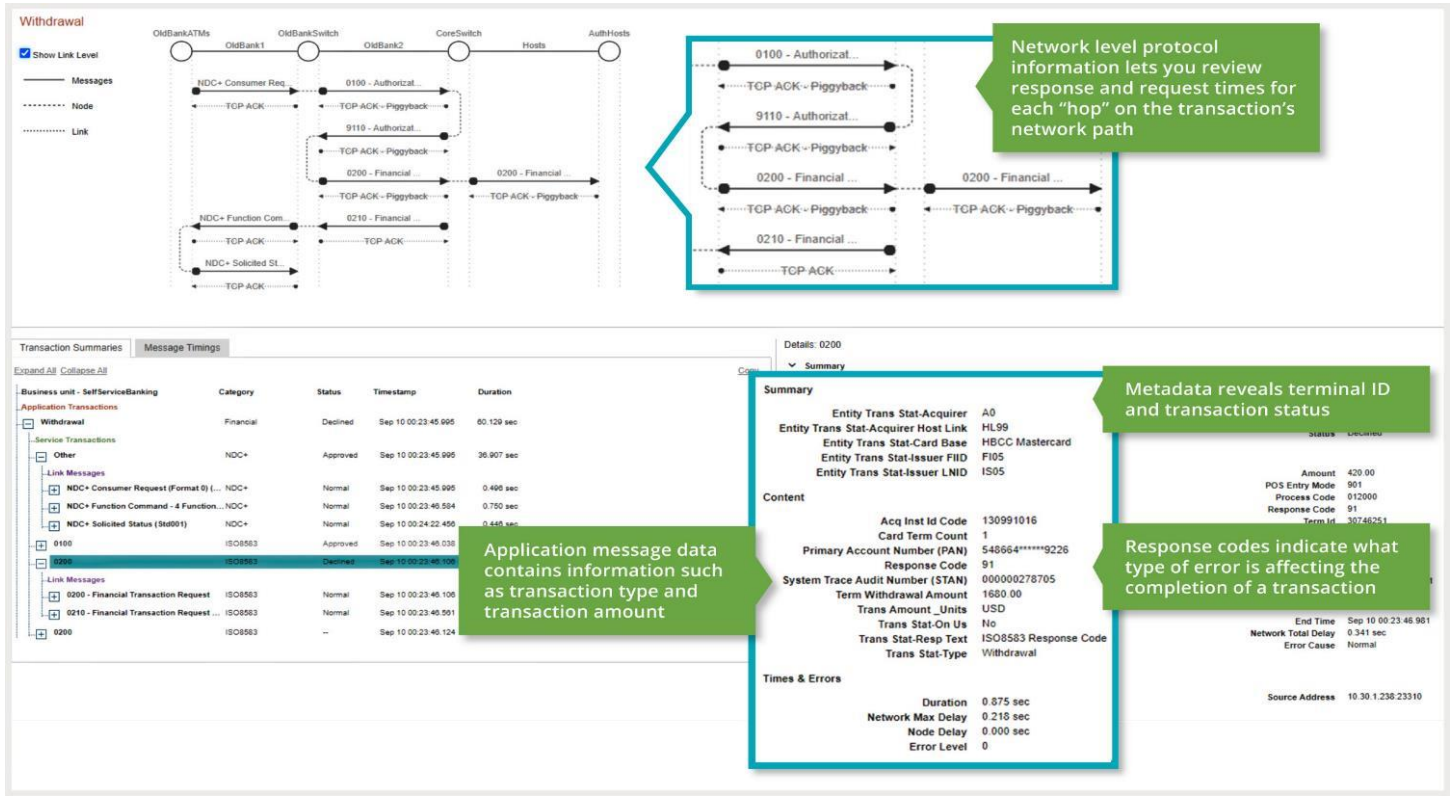
INETCO BullzAI Real-time Transaction Correlation & Profiling

A homogeneous view of every end-to-end transaction other fraud detection can't build



Network, application and message payload data are correlated and profiled to identify payment and transaction fraud with **better data** and **greater precision**

- Faster root cause and risk analysis.
- End-to-end transaction profile:
  - Multi-protocol
  - Multi-hop
  - Multi-channel
- Analysts are provided with a single view of all transaction data in real-time:
  - Transaction topology and behaviour
  - Protocol, status and timings
  - Complete message field details
  - Transaction risk scores

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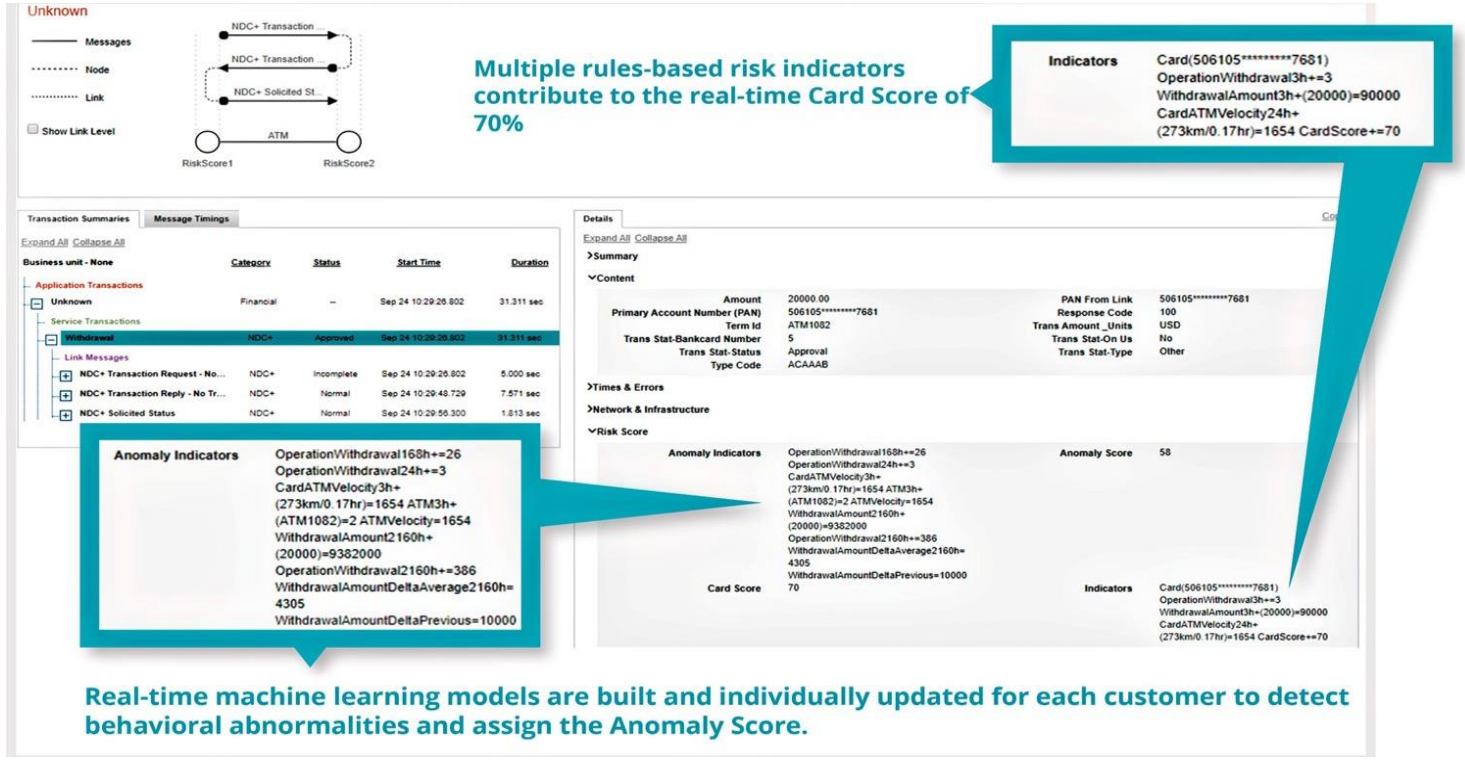
INETCO BullzAI Real-time Risk Scoring

Automatically detects zero-day threats as well as known threats – in milliseconds



Combines in-depth transaction intelligence, adaptive machine learning models, and per customer behavioral analysis to **detect zero-day threats** as well as known threats

- Analyzes the unique behavior of each customer (individual), card, device ID and key message fields.
- Extracts behavioral patterns from past transactions.
- Assigns risk advice & action for transactions in milliseconds.
- Learns from the results of its analysis & adjusts accordingly.
- Rebuilds individual customer models on the fly for more precise scores.

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Key Takeaways

Importance of AI in Fraud Prevention and Cybersecurity

AI's Vital Role in Securing HPE NonStop Environments

Integration of AI with Traditional Fraud Prevention Methods

The Ever-Evolving Landscape of Digital Threats

Working with INETCO BullzAI for Payment Fraud and Cyber Security

The Need for Continuous Innovation in Cybersecurity

Thank You

Come Talk With Us


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