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AI-POWERED SECURITY OPERATION



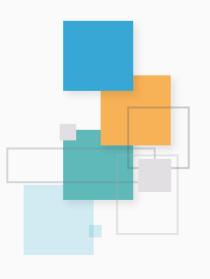
About T-INNOWARE

COMPANY PROFILE



T-INNOWARE is a global provider of IT security products and solutions, leveraging AI technology to address the increasingly complex security challenges faced by government institutions and enterprises. Our AI-driven solutions offer automated network security operations, helping clients build intelligent, efficient, and cost-effective security systems.

The founding team is made up of data science and cybersecurity experts, experienced IT product developers, and international business veterans with over 20 years of experience in sectors such as government, finance, education, healthcare, and enterprises.



KEYWORDS AI-Powered Threat Detection Automated Attack Analysis Multi-Source Threat Intelligence Self-Evolving Security Model DeepSeek Powered Human-Like Reasoning Incident Disposal Recommendation Security Incidents Investigation Al-driven Automated Pentesting Smart Code Auditing AI-Guided Compliance Assurance Custom Al Agent Significantly Reduce Opex Security Tools Integration Improving the efficiency of SOC **More Reliable and Efficient**



SAI (Security AI): Your Evolving Expert in Cybersecurity Operation and Maintenance

SOLUTION BACKGROUND

As the digital economy grows, cybersecurity threats are becoming more complex, with a rising gap between attackers and defenders and a shortage of skilled professionals. Meanwhile, stricter data privacy and security regulations are putting more pressure on organizations to comply. In this context, generative AI, driven by large language models (LLMs), has quickly emerged, bringing fresh momentum to the cybersecurity industry.

Current Challenges

The need for AI to fight AI

Cyber attackers have greatly improved their attack efficiency and accuracy through AI. In order to solve the imbalance between offense and defense, using AI to fight AI has become the best solution.

Tightened Budgets and Limited Security Investment

Organizations face reduced security budgets and are moving away from simply acquiring more tools. Instead. they seek to maximize security effectiveness through technological innovation.

Insufficient Skills and Over-reliance on Personnel

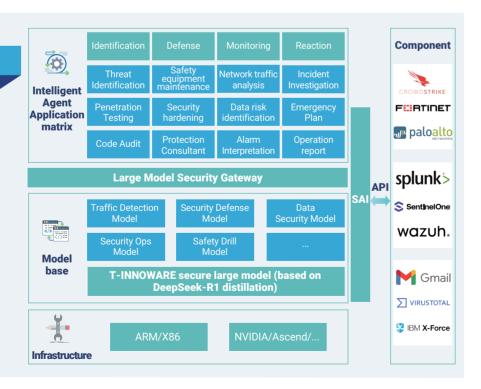
Security operations heavily depend on personnel, but with the increasing frequency of cyberattacks, many security staff lack the specialized expertise needed to respond effectively.

Challenges in Measuring Security Outcomes

There is a lack of standardized metrics to evaluate the effectiveness of security operations. Without clear indicators, it is difficult to validate security results and demonstrate the value of security

SOLUTION OVERVIEW

Security AI (SAI) is a network security automated operation and maintenance product created by T-INNOWARE based on GenAl technology. As the "general commander of security operation and maintenance work ", SAI provides a ready-to-use intelligent matrix covering identification, protection, monitoring and response, realizing the efficient and intelligent upgrade of security operation and maintenance work.



SOLUTION FEATURE

SAI assigns and executes security scanning or penetration testing tasks around the clock, continuously assessing the vulnerability of business systems. It promptly identifies security issues, generates penetration testing reports, and helps proactively address risks, ensuring early remediation and prevention.



An Always-Awake Security Analyst (Defense)

A 24/7 Experienced Penetration Testing Expert (Offense)



6,291	493	Alerts Reduction 92.16%	Incidents Harvegement 493 / 0		
Libraria			Open Ossel	\cup	
Noise Reduction		■ Incident Type			
	Microsoft Dichange				
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Microsoft Exchange					
Microsoft Exchange SentinetOne Singularity** Endpoint		Rencomwate			

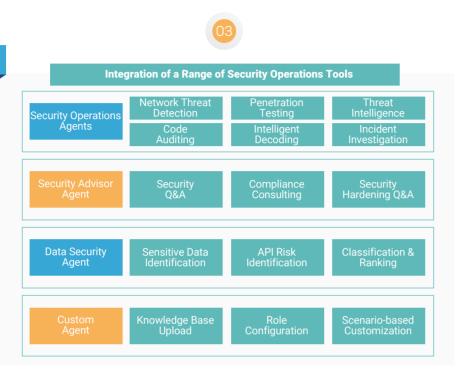
Through API integration, SAI connects both proprietary and third-party security devices, enabling alert management, data queries, analysis, and incident investigation. Unlike other large models, which primarily enhance their own security products, SAI acts as a "neutral third-party referee," assisting customers with security incident investigations and evidence collection, supporting informed decision-making.





SOLUTION FEATURE

SAI features a variety of intelligent tools, each tailored to meet basic security operation needs. It continually evolves, gathering real-world user feedback to release more tools, perfectly suited for various operational scenarios.



SAI ALREADY CONNECTED TO **DEEPSEEK BIG MODEL**

Recently, SAI has completed the comprehensive docking with DeepSeek R1, aiming to further enhance its capabilities in security incident investigation, automated penetration testing, etc., and help customers achieve efficient and intelligent upgrades in security operation and maintenance.

DeepSeek



Improve event detection efficiency and accuracy

Further enhancing the ability to deeply understand and analyze log data can more keenly capture abnormal behaviors and discover potential security risks in a timely manner.



Accelerate incident response with automation

In complex attack scenarios (such as lateral movement of ransomware), the impact of different response measures is simulated in real time to assist manual decision-making and automatically output event analysis reports that meet regulatory requirements.



Improve operation and maintenance management capabilities

Based on DeepSeek 's advantages in deep reasoning, SAI can understand operation and maintenance goals more clearly, and its intelligence level is further improved!

USER VALUE

With the transformation. cost reduction, and measurement enabled by SAI, security operations capabilities are truly enhanced.

Transformation

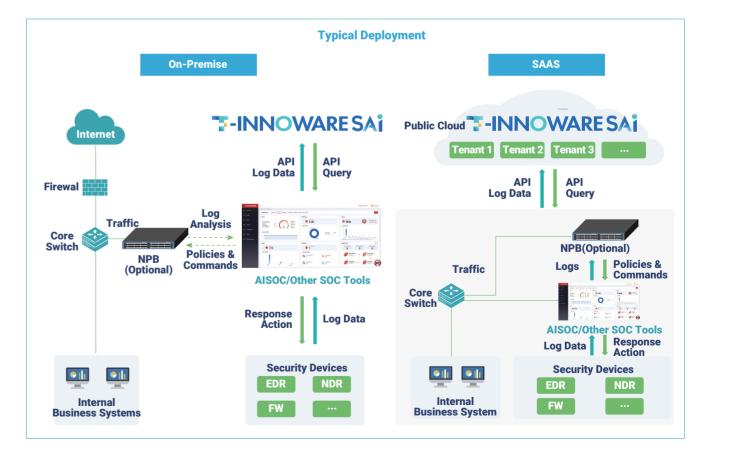
By leveraging SAI, security operations processes are redefined through AI, making them smarter and more efficient.

Cost Reduction

Utilizing various intelligent agents, orchestration becomes smarter, driving large-scale automation and enhancing the completeness of security operations.

Measurement

All security operations can be measured, with quantifiable data driving the continuous improvement of personnel and product capabilities.







Next Generation Security Operation Center (AISOC)

SOLUTION BACKGROUND

During digital transformation, enterprises often face slow response times in security operations, along with inadequate policies and regulations, leaving vulnerabilities for attackers to exploit.

Pain Points for Security Operation

Asset Status Uncertainties

Difficulty in incident localization and troubleshooting.

Massive False Alarms

Difficulty in analyzing security alarms accurately and efficiently.

Unknown New Threats

Traditional static defense technologies struggle to keep up with emerging threats.

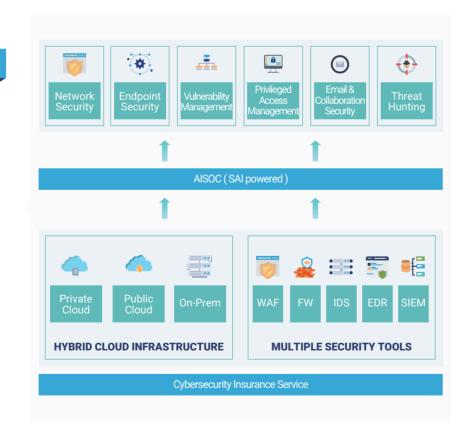
Fragmented Security Tools

Fragmented Security Tools resulting in slow response and poor results.

SOLUTION INTRODUCTION

In order to break the network security dilemma, T-INNOWARE launched the Al-enabled next generation security operation center (AISOC). By integrating the T-INNO AI security operation engine, it can achieve unified analysis of massive security alarms and unified scheduling of security tools, accurately identify security incidents and deal with threats in time, and comprehensively improve security operation efficiency for enterprise and organization.

In addition, T-INNOWARE incorporated network security insurance into the overall security strategy, forming a closed loop of risk management.



SOLUTION CAPABILITIES

01

It covers asset management and log access across cloud networks, terminals, emails, applications, data, and other security dimensions, achieving unified correlation and management of multi-source security data.

Intelligent Alarm Analysis and False Alarm Reduction

Use AI algorithms to analyze massive security logs, accurately identify real threats and filter irrelevant alarms, reduce the false alarms and missed alarms of traditional security tools.

Powerful Threat Intelligence

Integrate multi-source threat intelligence, update and correlate the latest threat intelligence data in real time, quickly identify potential security threats, and improve threat detection rate and response speed.

SOAR Automated Response

Preset a variety of templates to automatically trigger corresponding response measures according to the threat type, ensure rapid response in the face of complex and changing threats, reducing security risks and losses.

AI Empowers Security

Integrating AI capabilities, enables topics such as detection analysis, alarm interpretation, vulnerability analysis, disposal suggestions and intelligent operation reports, improves the efficiency of threat detection.

GUARANTEED SECURITY FOUNDATION

Cybersecurity Insurance Services

Our cybersecurity insurance covers a wide range of potential losses, including business interruption, data recovery costs, cyber extortion, security testing expenses, and more.

Pre-Insurance Services

Risk Assessment

·Conduct a nine-dimensional risk evaluation and provide detailed risk reports.

·Deliver a comprehensive cybersecurity maturity assessment report to help you understand your current security posture.

Insuring

Continuous Protection ·Regular risk inspections.

·24/7 monitoring and early warning systems.

·Real-time blocking of advanced threats.

·Reinforced endpoint secu-

Post-Insurance Support

Technical Assistance

Emergency incident response.

·Data recovery services. Security incident analy-

·Incident impact assess-

1 Insurance = 1 Protection + 365 Days of Service 99





Continuous Monitoring



Rapid Response



SOLUTION VALUE

Lower Cost, Higher Value

40%

200%¹

90%

99%

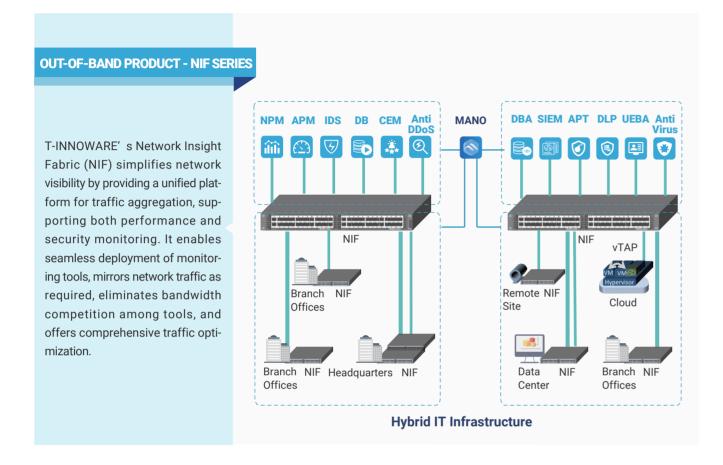
Lower Operational Cost ROI in Ownership Study

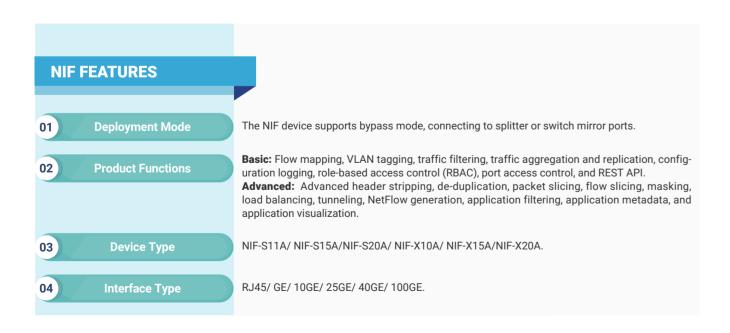
Mass Alarm Reduction

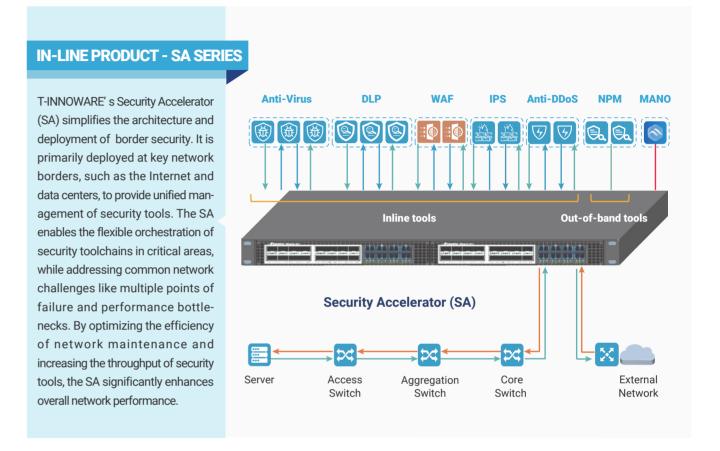


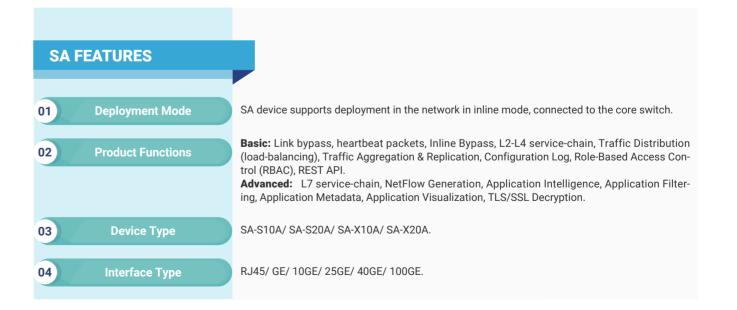


Network Packet Broker (NPB)









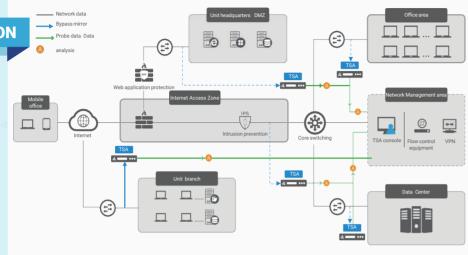


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Traffic Security Analysis System

PRODUCT INTRODUCTION

The Network Full Traffic Security Analysis System (TSA) is a full traffic analysis product combines hardware and software seamlessly to meet the needs of diverse network environments, including cloud, industrial control systems, and multi-source, heterogeneous network scenarios.



PRODUCT FEATURE

- 01 Visibility into Network Activities
- Gaining comprehensive insights into network behaviors.
- **Evidence Collection for Incidents**
- Providing irrefutable evidence for incident response.
- 03 **Data Breach Traceability**
- Identifying the root cause of data leaks.
- **Detection of Advanced Threats**
- Identifying sophisticated, previously unknown cyber threats.
- 05 Asset Attack Surface Manageme
- Minimizing exposure and risk for critical assets.
- 06
- Evaluating the potential consequences of cyber incidents.

Product Value

Network Traffic Forensics and Liability Determination

Provide complete retention of full-traffic network communication data, enabling second-level extraction of massive historical traffic records and packet-level forensic analysis, facilitating precise reconstruction of all network communication content.

Proactive Risk Mitigation and Swift Incident Response

Conduct comprehensive mapping of event data to accurately assess the validity. severity, and potential outcomes of security alerts. evaluating the scope of potential impacts, identifying vulnerabilities and blind spots in their security infrastructure.

Comprehensive Cyber Threat Detection

Provide 24/7, all-aspect real-time identification and analysis of network traffic data. With our advanced traffic visualization capabilities, we help you identify assets, pinpoint security vulnerabilities, and uncover potential risks.

Network Performance Analysis System

PRODUCT INTRODUCTION

Network Performance Analysis System(NPM) is an enterprise-class network monitoring and performance analysis system. Designed for 24x7 network packet capture, analysis and storage, dedicated to the sustainable, efficient and safe running of networks, NPM provides a reliable data basis for determining constructive suggestions for enterprise profit arowth.

Excellent in data drilldown, data tracing and locating, and security forensics, NPM makes it possible to troubleshoot historical network issues by rewinding and zooming in to any previously recorded time period. This feature saves a tremendous amount of time and effort that would be required to reconstruct network scenarios. Besides troubleshooting network issues, NPM can be also used to evaluate and benchmark long-term network performance along with auditing user activity.

Benefits for Network Engineers

- Identifying Intelligently analyze critical network traffic in real-time, identify network performance and application anomalies, and abnormal network activities.
- Tracing Rapid data mining and traffic analysis, accurately analyze and locate the root causes of network faults and security events.
- Troubleshooting Replay the original network communication data, reproduce how the faults, anomalies and events happen, provide direct proofs for network troubleshooting.

PRODUCT VALUE

With an analysis performance of up to 100 Gbps, NPM is able to capture large traffic of backbone links in line speed, and to analyze and store the traffic in real-time, and able to monitor several network adapters simultaneously to aggregate the traffic from multiple links. Together with a storage filter and splicing storage technology, NPM is able to store only the interested and useful information, which makes the storage space utilized effectively.







API Security Solution

SOLUTION BACKGROUND

As digital transformation accelerates, APIs have become essential for data sharing and business operations in industries like finance, healthcare, and government. However, the growing reliance on APIs also introduces heightened data security risks.

To ensure API security, many Southeast Asian countries have implemented data protection laws and standards to guide the development of API security measures, enhance risk monitoring, and protect business data.

Increased Internet exposure of APIs

Abnormal API interface access

API security vulnerabilities

Insufficient API authentication mechanisms

Unauthorized AP



API SECURITY SOLUTIONS

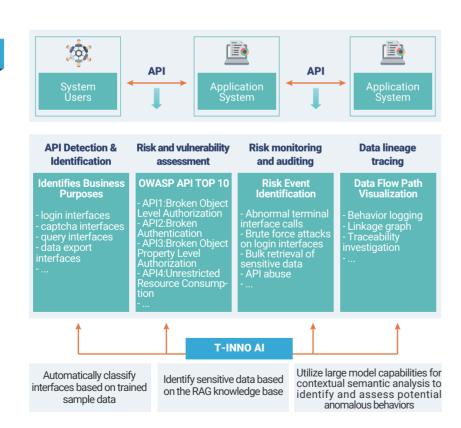
To tackle challenges in API asset management, risk detection, and sensitive data breaches, we've developed an API security solution powered by T-INNO Al technology. This solution enhances risk monitoring and traceability with the following key features:

API Asset Discovery: Automatically identifies APIs and their exposure points.

Vulnerability Assessment: Detects vulnerabilities, pinpoints security flaws, and recommends remediation actions.

Risk Monitoring: Provides 24/7 real-time monitoring to minimize security incidents.

Data Traceability: Tracks access to sensitive data, enabling investigations in the event of breaches.



SOLUTION HIGHLIGHTS Using deep traffic analysis technology, the solution audits applications/API interfaces inde-01 Independent Bypass Deploymen pendently, offering a plug-and-play approach that doesn't interfere with business operations. Four API formats, 25 data formats, 66 data tags, 23 API types, over 20 risk models, and fully **Abundant Types** 02 addresses all OWASP vulnerabilities. Automatically organizes data flow paths and conducts heat analysis and statistical analysis of **Workflow Visualization** data transfers, saving 75% of the time required for leak analysis and localization. Leveraging T-INNO Al's intelligent API security vulnerability detection capabilities, the system improves discovery rates by 30% and interprets vulnerability characteristics to accurately identify potential risks.

