SE*link*™

bu CREATIVE
BEYOND CYBER SECURITY

Zero Trust for AI-Driven Media Analysis: Enhancing Security and Performance

Challenges

MediaMiner is a groundbreaking solution that utilises AI to analyse published media, identifying potentially harmful content through images and videos shared by targets. By extracting relevant cybersecurity information and applying advanced AI algorithms, it detects threats within content, classifying them by severity for efficient threat management. This system enhances the ability to respond to vulnerabilities by providing a dedicated dashboard where users can assess and prioritise security risks. However, challenges arise in ensuring seamless connectivity, securing sensitive data across various media sources, and maintaining real-time analysis without compromising network efficiency or performance.

Solution

SElink establishes a secure and efficient foundation for **MediaMiner**. SElink enables secure connectivity by leveraging advanced port-mapping techniques, ensuring data is transmitted and analysed without exposing sensitive systems to vulnerabilities. By operating on existing network infrastructures, SElink eliminates the need for extensive reconfigurations, allowing seamless integration with diverse platforms. Its micro-segmentation capabilities ensure that all inbound ports are closed, protecting against lateral movement and external intrusions. This secure and low-latency communication framework ensures MediaMiner's AI can process large volumes of media data in real time while safeguarding sensitive information and maintaining optimal network performance.
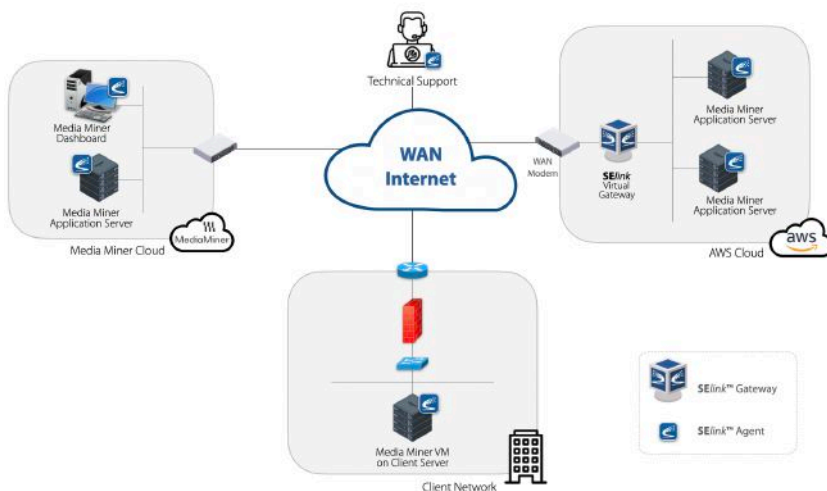
Sector
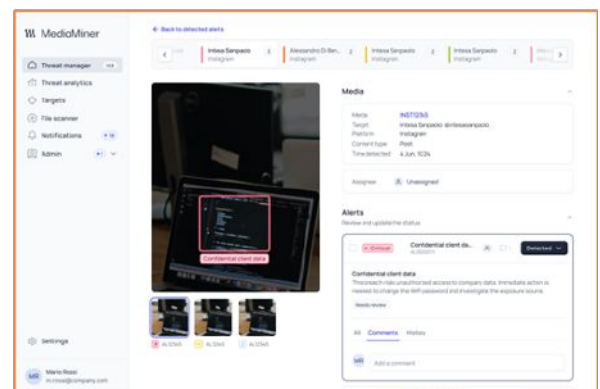Cyber Security
Threat Intelligence

Objectives
- Secure transmission of extracted data with ZTNA
- Scale operations securely for growing demands
- Implement ZTNA to provide precise control over resources or data access
- Prevent an authorise access through identity-based controls
- Enable seamless real-time analysis
- Prevent exfiltration and data loss
- Reduce liability and meet regulatory compliance

Results
- Low-latency performance
- VPN replaced with Zero Trust Controls
- **All ports closed** for network lockdown
- **60% improved latency**
- **20% optimised bandwidth usage**

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Business Unit Creative is an Italian leader in Offensive Security and Cyber Threat Intelligence, enabling organisations to build dedicated cybersecurity business units. It offers services such as red team testing, digital risk assessments, penetration testing, and AI-driven honeypots monitored by its own SOC based in Italy.

B5

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What is MediaMiner

In an increasingly connected world, protecting corporate data from online threats is more critical than ever.
MediaMiner is the first technology to harness artificial intelligence to uncover potentially harmful information in published media, delivering unparalleled insights in a cybersecurity context.

How it works

1 IDENTIFY TARGET
MediaMiner identifies and collects images and videos shared online by designated targets through AI-driven probes. These probes continuously monitor social networks, chat platforms, internal networks and other digital spaces for real-time analysis.

2 ANALYSE CONTENT WITH AI
Advanced AI algorithms dissect the content to detect sensitive or harmful information. Whether it's an image, video, or shared metadata, MediaMiner extracts relevant details with a focus on protecting your corporate assets.

3 CLASSIFY THREATS
Every piece of identified content is assessed and assigned a severity level, enabling efficient threat management. This prioritisation ensures that urgent risks are addressed promptly.

4 VIEW INSIGHTS IN DASHBOARD AND MITIGATE
A dedicated, user-friendly dashboard consolidates detected threats, providing clear visualisations of vulnerabilities. This allows teams to evaluate and respond swiftly to mitigate potential damage.
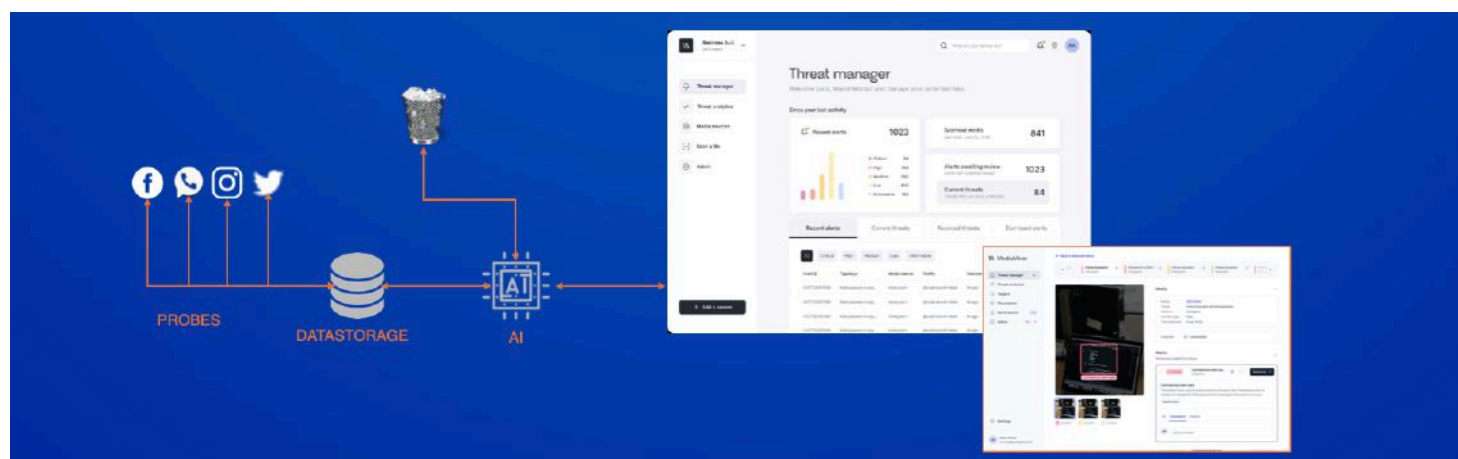
Key Benefits

Real-Time Media Monitoring
Continuously monitor social networks and chat platforms to stay ahead of potential threats in real-time

AI-Driven Discovery
Detect sensitive data circulating online and uncover potential risks using advanced AI algorithms

Network Media Analysis
Safeguard shared corporate media assets, a critical target for cybercriminals

On-Demand Analysis
Gain the flexibility to analyse specific media files when and where you need it

Threat Correlation
Bridge the gap between disparate data points to classify, mitigate, and prevent cyberattacks effectively

Scalable and Adaptive
Easily integrate and adapt MediaMiner to meet evolving business and security needs

Why MediaMiner

✓ Reduce the human factor as an attack vector

✓ Facilitate efficient threat management with severity ratings

✓ Empower teams with a streamlined dashboard for rapid responses