BEACON
TECHNOLOGY

Navigating the Digital Ocean with AI-Driven Defense

detect.solutions

Introduction

Our Mission

Delivering mission-critical, purpose-built cyber protection and regulatory compliance solutions that cater to the diverse needs of organizations of all sizes. From mid-market companies to Fortune 500 enterprises, Beacon Technology Group provides cutting-edge, real-time cyber threat protection that is both scalable and competitively priced.

The Problem

Organizations of all sizes are increasingly becoming targets of sophisticated cyberattacks. While mid-market companies often face unique challenges, larger enterprises are not immune to these threats. Cybercriminals continually evolve their tactics, exploiting any gaps in security—whether due to resource limitations, lack of specialized knowledge, or complex supply chain relationships.

According to EY's 2024 Global Cybersecurity Leadership Insights Study, AI has become a double-edged sword in cybersecurity. While it enhances defenses, it also empowers malicious actors to launch more sophisticated attacks. The study reveals that 75% of cybersecurity professionals have witnessed a rise in AI-driven attacks over the past year, emphasizing the urgent need to counter these threats with equally advanced AI-driven defenses.

Criminals seek to exploit vulnerabilities, whether it's in mid-market entities with less sophisticated tooling or in enterprise-level supply chains connected to critical infrastructure. (McKinsey & Company Cybersecurity Practice, October 2022). Both mid-market and enterprise organizations must navigate the complexities of today's threat landscape, ensuring they have the resources, expertise, and technology in place to identify, mitigate, and prevent cyber threats.
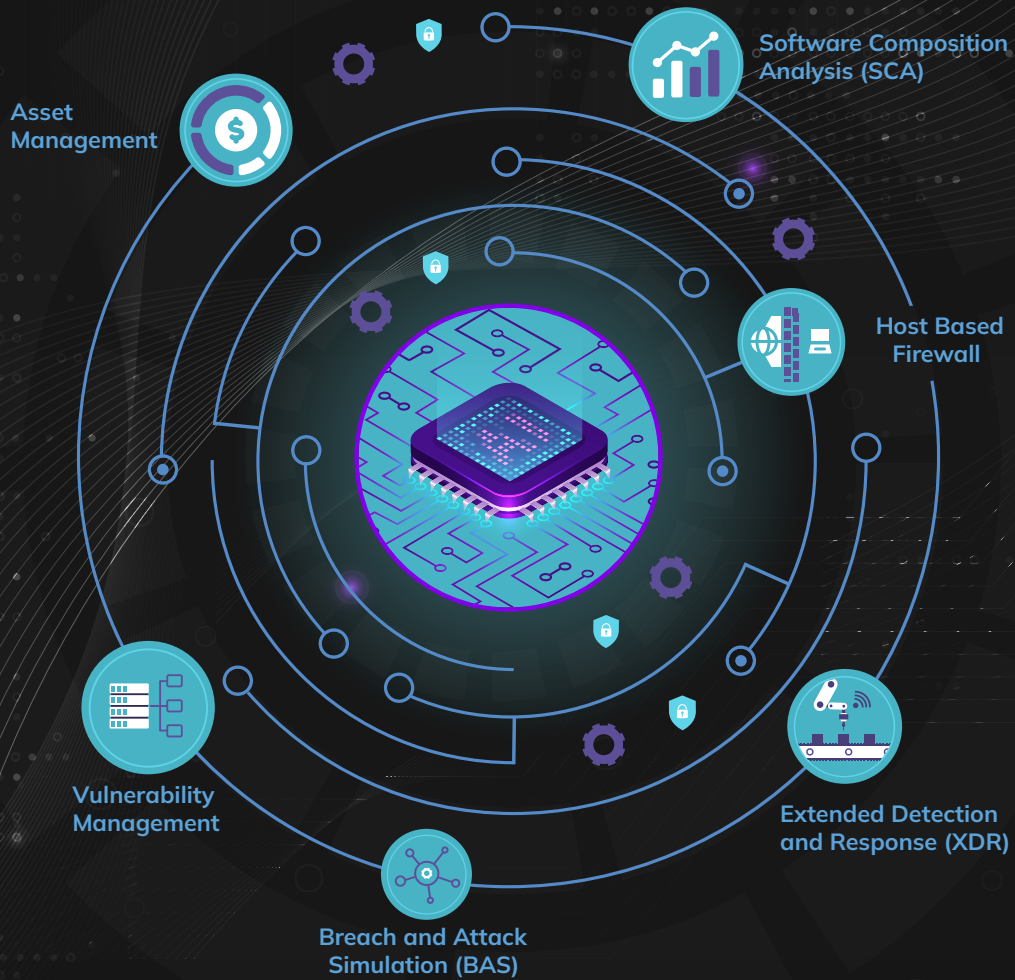
As the sophistication of cyber threats continues to rise at an alarming rate, organizations must adapt swiftly to protect their critical assets. The ever-evolving tactics of cybercriminals, empowered by AI, demand a defense strategy that is equally advanced. Intelligence-driven solutions like those offered by Beacon Technology Group provide the edge needed to stay ahead. Our cutting-edge technologies ensure that whether you are a mid-market company or a Fortune 500 enterprise, your organization is equipped to identify, mitigate, and prevent even the most sophisticated cyber threats.

Beacon Technology Group is at the forefront of cybersecurity innovation, delivering advanced, AI-powered solutions to protect organizations from evolving cyber threats. Our flagship products—Beacon Detect, Vortex, and Cyfax—work in harmony to offer comprehensive protection. Beacon Detect continuously secures endpoints with real-time, MITRE ATT&CK-based simulations, enhanced by Vortex's rapid threat intelligence. Cyfax extends your defenses with unparalleled dark web monitoring and automated perimeter red teaming, ensuring your organization stays ahead of emerging threats.

AI and Machine Learning

DETECT

- Asset Management
- Software Composition Analysis (SCA)
- Host Based Firewall
- Extended Detection and Response (XDR)
- Breach and Attack Simulation (BAS)
- Vulnerability Management

Beacon
Detect

Introducing
Beacon Detect

Beacon Detect is a revolutionary endpoint security platform designed to operate as a powerful, lightweight agent that runs continuous breach and attack simulations (BAS) on any endpoint. It ensures that your device is always tested against the latest MITRE ATT&CK-based attack tactics, taking less than 5 minutes for each simulation. When Vortex is integrated, Beacon Detect leverages real-time intelligence from over 70 premium sources, delivering rapid and accurate threat verdicts directly to the endpoint. This eliminates the need for traditional SEIM, making your security more efficient and less resource intensive. Beacon Detect's seamless process and communication monitoring ensure that any Indicators of Compromise (IOCs) are detected and addressed in real time, providing superior protection.

Beacon Detect: Intelligent Security, Right at the Endpoint

Beacon Detect is more than just an endpoint detection and response (EDR) tool; it's a transformative solution that upgrades your existing EDR to XDR capabilities. By integrating with Vortex, our advanced threat intelligence engine, Beacon Detect enhances your endpoint security with real-time insights, comprehensive monitoring, and extended threat detection, effectively turning your EDR into a full-featured XDR platform.

Key Features:

Real-Time Threat Intelligence:
Beacon Detect leverages Vortex to integrate over 70 premium threat intelligence sources, providing instant and precise threat verdicts directly at the endpoint. This enhanced intelligence layer transforms standard EDR capabilities into an extended detection and response (XDR) solution.

Upgrade Your EDR:
With Beacon Detect, your existing EDR is empowered to act like an XDR platform, extending its capabilities across your entire security infrastructure. This upgrade allows for deeper threat detection, analysis, and response, without the need for additional tools.

Auto-Remediation:
Beacon Detect features auto-remediation capabilities for up to 70% of test simulations that are local to the device. This automation ensures that common issues are resolved quickly and efficiently, reducing the burden on IT teams and minimizing downtime.

Comprehensive Breach and Attack Simulations:
Beacon Detect continuously runs MITRE ATT&CK-based breach and attack simulations (BAS) on your endpoints, ensuring they are tested against the latest tactics used by cybercriminals. This proactive approach helps you stay ahead of potential threats.

Direct Endpoint Protection:
Beacon Detect bypasses traditional SOC workflows by delivering threat detection and response directly to the endpoint with an accuracy rate of 99.992%. This reduces response times and operational costs while significantly enhancing your security posture.

Seamless XDR Integration:
Beacon Detect not only upgrades your EDR but also integrates seamlessly with other XDR platforms, allowing for the streamlined transfer of security alerts, forensic data, and comprehensive threat intelligence.

Cyber Posture Scoring System:
Beacon Detect's Cyber Posture Scoring System is designed to be as intuitive and easy to understand as a FICO credit score. This system provides a clear, digestible view of your organization's security posture, making it accessible not only to cyber practitioners but also to business owners and decision-makers. By offering a straightforward assessment of risk, this scoring system empowers all stakeholders to quickly grasp the effectiveness of their cybersecurity measures and take action where needed.

Regulatory Compliance:
The combination of Beacon Detect and Vortex is not just about advanced threat detection—it also helps your organization meet regulatory mandates and frameworks. With an embedded SEIM capability, along with robust alerting and automated response features, Beacon Detect ensures that your security operations align with industry standards and compliance requirements, including GDPR, HIPAA, PCI-DSS, and more. This makes it easier to demonstrate.

Three-Step Process: Upgrading Your Security to XDR

Step 1:
Comprehensive Endpoint Scanning

Step 2:
Real-Time Threat Analysis

Step 3:
Continuous Monitoring and Response

Beacon Detect begins with an in-depth scan of all endpoints, capturing intricate details such as local languages, patch levels, and third-party dependencies. This meticulous scanning ensures that even the most subtle differences are identified, providing a robust foundation for threat detection.

After scanning, Beacon Detect processes the gathered data against Vortex's comprehensive threat intelligence, which includes over 70 premium sources. This analysis is conducted in real-time, ensuring that your organization's security posture is continuously updated with the latest threat information. The platform delivers accurate and immediate verdicts, significantly reducing the window of vulnerability.

Beacon Detect doesn't stop at analysis. It continuously monitors all processes and communications on the endpoint, leveraging Vortex to deliver instant alerts and initiate automated responses to any detected threats. This real-time monitoring transforms your EDR into a full-featured XDR, capable of handling sophisticated cyber threats with minimal manual intervention.

Why Choose Beacon Detect?

Beacon Detect offers a unique opportunity to elevate your existing EDR solution into an XDR powerhouse. With the integration of Vortex, you gain access to unparalleled threat intelligence and real-time protection, ensuring that your organization is equipped to tackle even the most sophisticated cyber threats. Whether you're a mid-market company or a Fortune 500 enterprise, Beacon Detect enhances your security operations, providing you with the tools to stay ahead in a rapidly evolving threat landscape.

Advanced Phishing Alerting with Vortex Threat Cloud

Exceptional Accuracy with Vortex:

Beacon Detect, backed by the unparalleled power of our Vortex Threat Cloud, boasts an industry-leading catch rate for phishing threats. Through our continuous analysis and in-depth research, our system outperforms even those tools recognized as leaders by Gartner Research.
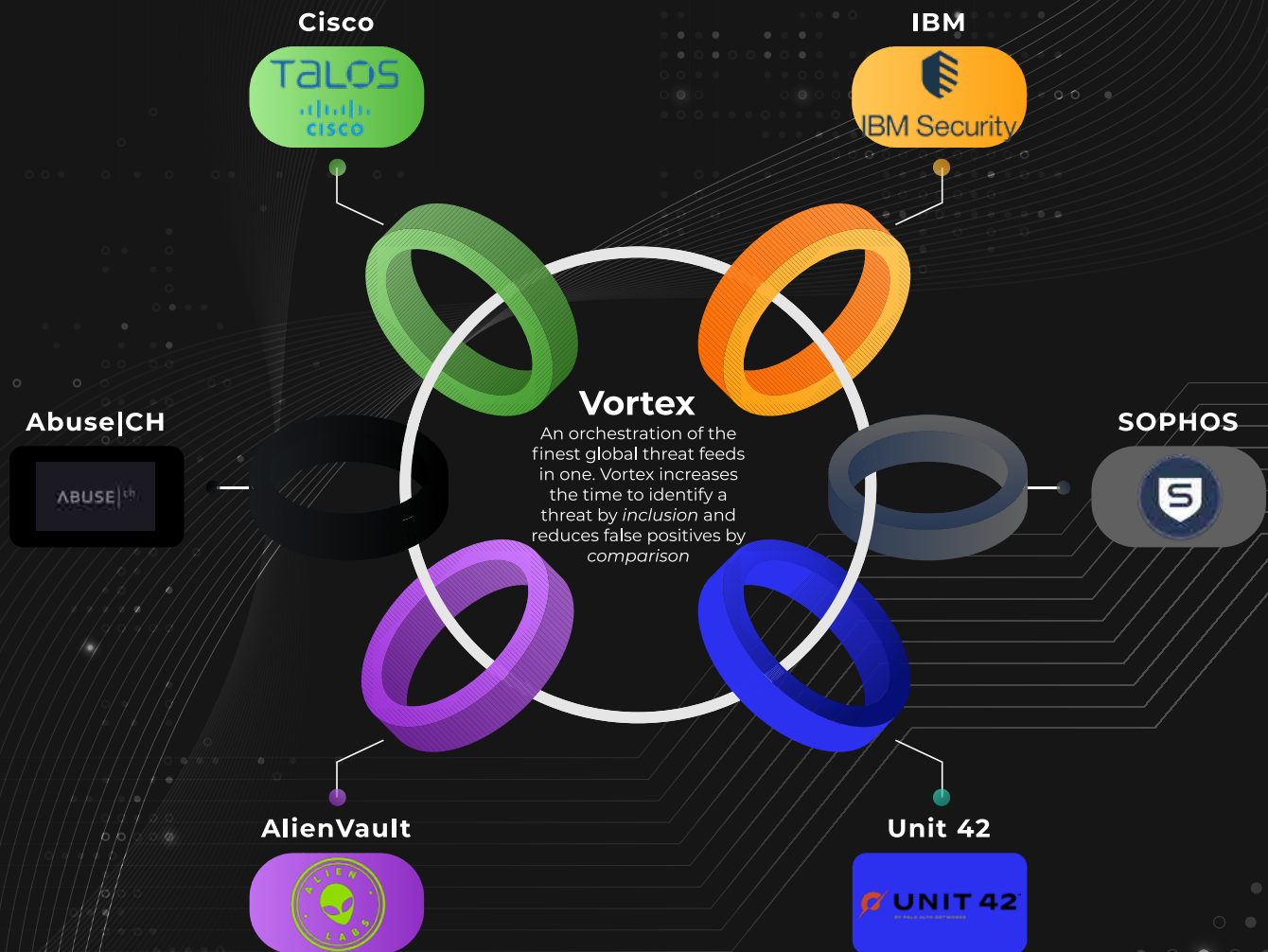
Dynamic Learning & Superior Detection:

Our email module isn't just any ordinary threat detection tool. With both known and unknown indicators of compromise in its database, its dynamic learning capability ensures ever-evolving, top-notch detection. Our system proactively identifies and mitigates threats in seconds, ensuring your organization stays several steps ahead of attackers.

Beacon Detect's integration of email protection with its suite of tools

Our platforms not only simplify the cybersecurity process but also significantly boosts efficiency. With Vortex enhancing its capabilities, the result is a robust, all-encompassing solution unparalleled in the market.

VORTEX

Cisco

IBM

Abuse|CH

Vortex
An orchestration of the finest global threat feeds in one. Vortex increases the time to identify a threat by *inclusion* and reduces false positives by *comparison*

SOPHOS

AlienVault

Unit 42

Vortex:
The Future of Cyber
Threat Intelligence

Security Operations, Redefined

Imagine a platform that delivers global threat intelligence in just 1.4 seconds. A solution that not only reduces costs but eliminates the need for extensive SOC interventions by delivering precise and validated insights directly to your security systems. That's Vortex—your AI-powered, hyperautomated defense against the most sophisticated cyber threats.

Why Choose Vortex?

Blazing Fast Intelligence:
Vortex delivers real-time threat verdicts anywhere in the world in approximately 1.4 seconds. This speed ensures your organization can respond to threats faster than ever before, staying one step ahead of cyber adversaries.
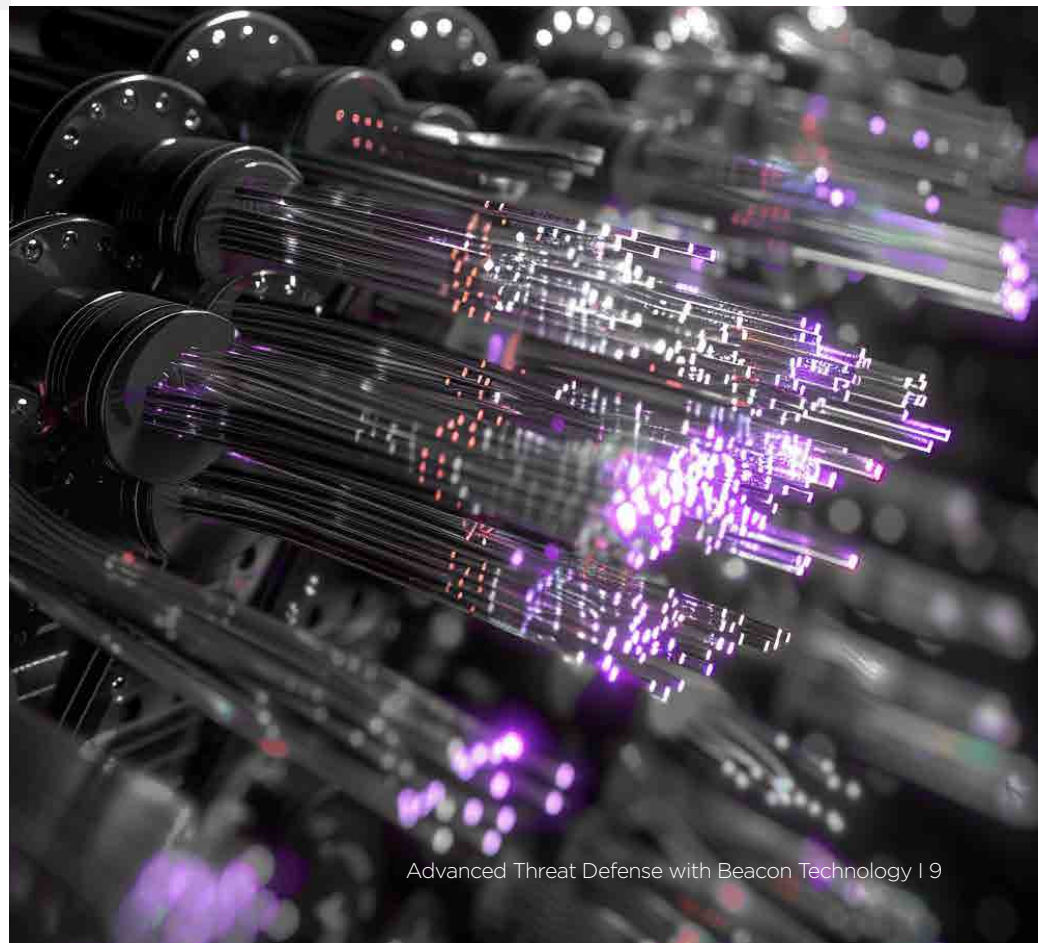
Cost-Effective Excellence:
Compared to large-scale competitors, Vortex provides world-class threat intelligence at a fraction of the cost. Whether bundled with Beacon Detect or deployed as a standalone API, Vortex delivers unmatched value and comprehensive protection without the hefty price tag.

Skip the SOC:
Vortex's patent-pending three-step process for arbitrating true positives is a game changer. Independent validation has shown that Vortex outperforms leading CTI providers in every IOC category. With Vortex, there's no need for your analysts to chase down false positives—our system ensures only the most accurate alerts are delivered, saving time and resources.
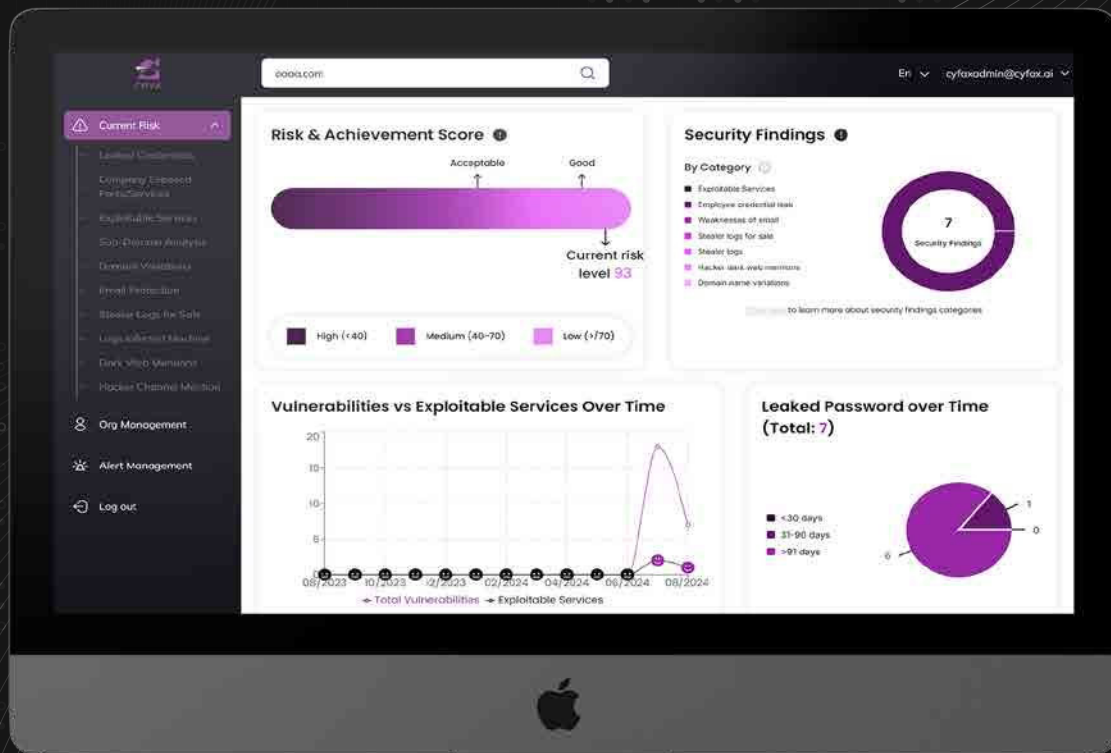
Hyperautomation at its Best:
Vortex is designed for ease of use, taking the guesswork out of where, when, and how to respond to new IOCs. Its hyperautomated processes ensure that if an alert comes from Vortex, no further investigation is required—allowing your team to focus on strategic initiatives rather than manual threat verification.

Elevate Your Security Operations with Vortex

Join the future of cybersecurity with Vortex's unparalleled speed, cost-efficiency, and accuracy. Whether integrated with Beacon Detect or deployed independently, Vortex empowers your organization to combat today's most sophisticated threats with confidence and ease.

Cyfax:
The Ultimate AI Guardian
of Your External Surface

Cyfax Extended Threat Intelligence

Protect Your Organization Beyond the Dark Web

The Cyfax Extended Threat Intelligence Snapshot Report offers a comprehensive overview of your organization's cyber risk exposure. Unlike traditional reports, Cyfax extends beyond the dark web, providing insights into compromised credentials, potential data exposures, and critical security configurations such as email settings and exposed external ports.

Value Proposition

Cyfax offers unparalleled protection by integrating data from thousands of sources to ensure a broad and accurate assessment of your organization's security posture. With Cyfax, you receive:

• **Extensive Coverage:** Coverage across a wide range of external threats, not limited to the dark web.

• **Actionable Insights:** Immediate recommendations and strategies to mitigate identified threats.

• **Continuous Monitoring:** Ongoing surveillance to identify and address potential vulnerabilities promptly.

Key Features:

Wide Range of Threats:
Monitors risks across various channels including hacker forums, encrypted chat rooms, and marketplaces.

Real-time Alerts: Provides:
Real-time alerts backed by certified Threat Intelligence analysts for actionable insights and immediate remediation strategies.

On-Demand Penetration Testing:
Cyfax revolutionizes perimeter security with on-demand penetration tests that deliver detailed reports in under an hour. Get comprehensive insights into your vulnerabilities, exploits, and weaknesses—equivalent to what ethical hackers provide, but faster and more cost-effective.

Comprehensive Monitoring:
Includes scanning of publicly accessible websites, external ports, and in-depth analysis of vulnerabilities.

Expanded Integration and AI Automation:
Cyfax integrates seamlessly with AI automation to offer unparalleled monitoring and detection capabilities. Beyond traditional dark web surveillance, Cyfax adapts to emerging threats, ensuring comprehensive protection.

Summary of Dark Web Findings

Medium
Threat Level

07/04/2024
Latest Findings

14
Logs from Infected Devices

0
Stealer Logs on Market

24
Leaked Company Credentials

0
Dark Web Mentions

Why Choose Cyfax:

Real-time Intelligence:
Stay ahead of threats with real-time data and alerts.

Hyperautomated Bot Scanning Technology
Cyfax employs hyperautomated bot technology, driven by AI, to monitor the dark web in real time. Our advanced bots track the movements, sales, and mentions of your organization, providing early alerts when your credentials or data are at risk.

Expert Support:
Benefit from insights and support from certified analysts.

Comprehensive Reports:
Detailed reports that include data from multiple sources for a well-rounded view of your security posture.

System Alerts and Subscriber Benefits

Takedown Capabilities: Cyfax doesn't just detect threats—it automates eliminating them. Our platform includes the ability to initiate takedowns of malicious domains, adding an extra layer of protection for your organization.

How Cyfax Keeps You Informed Real-time Alerts for Global Subscribers

Proactive Threat Intelligence: Cyfax ensures that you are always informed about the latest threats. Our system continuously scans for new Indicators of Compromise (IOCs) and areas of concern, providing timely alerts to our global subscribers. Here's how it works:

01

Continuous Monitoring: Our platform constantly scans various sources, including dark web forums, encrypted chat rooms, and public websites, for any new threats or vulnerabilities.

02

Immediate Alerts: Subscribers receive immediate alerts whenever a new IOC or area of concern is detected. This enables you to take prompt action and mitigate risks before they escalate.

03

Actionable Insights: Each alert is accompanied by detailed, actionable insights from our certified Threat Intelligence analysts. This includes recommendations for remediation and strategies to enhance your security defenses.

Early Threat Disruption: Cyfax provides early warning systems designed to disrupt attacks before they escalate. Receive alerts as soon as your data or credentials are mentioned by bad actors, giving you the critical time needed to prevent breaches.

Stay Ahead with Cyfax

Global Coverage:
Receive alerts no matter where you are, ensuring your organization is always protected.

Detailed Reports:
In-depth reports that provide a comprehensive view of your organization's threat landscape.

Expert Analysis:
Access to expert analysis and support to help you understand and respond to threats effectively.

External Exposures

Medium
Threat Level

07/04/2024
Latest Findings

8
Subdomains Found

8
Possible Domain Impersonations

3
of Email Weaknesses

38
Exploitable Services

Subscribe to Cyfax

To stay informed and protect your organization from evolving threats, subscribe to Cyfax Extended Threat Intelligence today at cyfax.ai or contact us. Experience the benefits of real-time alerts, expert analysis, and comprehensive reports designed to keep your organization secure.

Contact Us:

For more information pn any of our next generation platforms or to subscribe, please visit our website or contact one of our threat consultants. Protect your organization with the power of Cyfax

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Advanced Threat Defense with Beacon Technology

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