

INTRODUCING NOVA'S BRICKS

YOUR ADAPTIVE SOLUTION TO EVOLVING CYBER THREATS

AI-driven data protection software revolutionizes cybersecurity by offering advanced threat detection and adaptive responses to potential breaches. Its intelligent algorithms continuously learn and evolve, ensuring that data remains secure against ever-changing cyber threats, thus providing peace of mind and enhanced reliability for businesses and individual users alike.



Executive Summary

In the dynamic realm of cybersecurity, adopting predictive security measures is not just an option but a necessity to pre-empt and neutralize threats before they escalate into full-blown attacks. Predictive security leverages artificial intelligence (AI), machine learning (ML), and big data analytics to foresee potential threats and vulnerabilities. This proactive stance shifts the security posture from reactive to anticipatory, significantly enhancing an organization's defense mechanisms.

Security Ecosystem

This is an overview of the current security ecosystem (just to name a few):

- Firewalls (hardware & software based)
- Antivirus and Anti-malware Software
- Intrusion Detection and Prevention Systems (IDPS)
- Secure Web Gateways (SWG)
- Data Loss Prevention (DLP) Software
- Encryption Tools
- Virtual Private Networks (VPN)
- Endpoint Detection and Response (EDR)
- Security Information and Event Management (SIEM)
- Email Security Tools
- Multi-Factor Authentication (MFA)



So, where does Bricks fit?

In the complex landscape of cybersecurity, Bricks integrates SIEM (Security Information and Event Management), AI-driven intrusion detection, and file encryption into a comprehensive security solution, acting as a formidable line of defense in the digital security ecosystem. By combining the expansive monitoring and analytical capabilities of SIEM with the proactive, adaptive detection mechanisms provided by AI, this software can swiftly identify and respond to a wide array of security threats,

from unusual network activities to advanced persistent threats. Meanwhile, the inclusion of file encryption fortifies data security, ensuring that sensitive information remains inaccessible to unauthorized users, even in the event of a system breach. This multifaceted approach not only enhances real-time threat detection and response but also significantly strengthens data protection, positioning the software as an essential tool for organizations aiming to fortify their cybersecurity posture in an increasingly interconnected and dynamic digital environment.

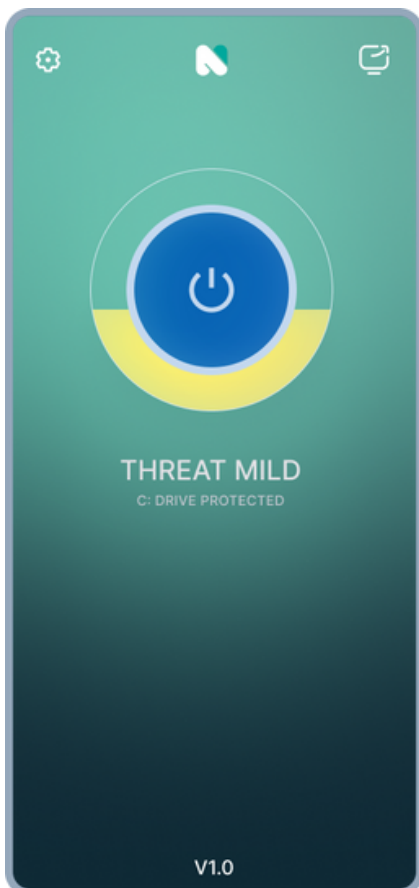
How does Bricks Work?



One Master to Rule Them All

Bricks leverages a sophisticated master-agent architecture, where a centralized master application meticulously supervises each client computer outfitted with a specialized agent. This harmonized system not only guarantees formidable protection for all clients but also simplifies the operational demands of security configurations and management. Crucially, this design is particularly effective in mitigating internal risks, such as those posed by disgruntled employees attempting to exfiltrate data. Bricks acts as a vigilant guardian against the threat of data theft, making it an invaluable asset for safeguarding sensitive information during vulnerable transition periods like employee turnover.

Dynamic Encryption



Bricks ensures each system's security with a cutting-edge encryption protocol, underpinned by a custom algorithm that instantly responds to signs of intrusion. The moment Bricks senses a potential threat, it classifies it within a color-coded alert system. A Green level reflects a normal, secure state. An escalation to a Yellow level signifies a raised threat condition, prompting Bricks to automatically modify encryption keys and enhance security measures preemptively.

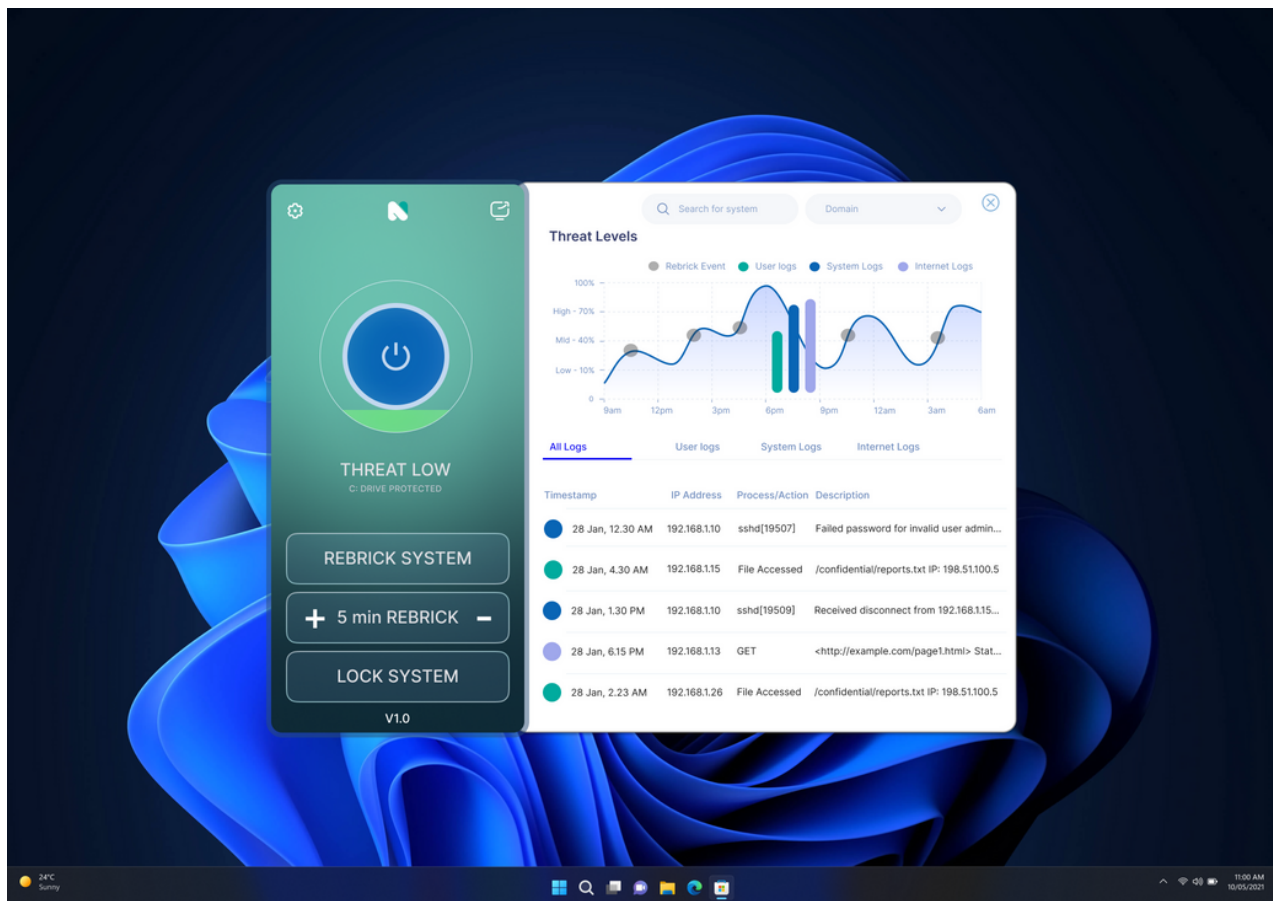
This automated adjustment of encryption at the Yellow threat level not only bolsters the system's defenses without human intervention but also serves as a critical barrier against data exfiltration attempts by hackers. In the event of an intrusion, Bricks swiftly enacts re-encryption, creating new keys to secure files, effectively locking out unauthorized entities. This rapid response mechanism ensures ongoing protection and acts as a powerful deterrent to the sophisticated strategies employed by cyber attackers aiming to extract sensitive data. With Bricks, organizations can rest assured that their systems are dynamically shielded and resilient to the multifaceted nature of cyber threats.

How does Bricks Work? (continued)

Multi-levels of Protection & Controls

The Bricks platform delivers not only formidable cybersecurity measures but also boasts an AI component that dynamically learns the specific behavioral patterns of its operating environment. As it becomes more attuned over time, this intelligent system sharpens its ability to differentiate regular activities from potential threats. An essential part of its arsenal includes detecting Remote Desktop Services (RDS) connections, which are commonly exploited vectors in cyberattacks. Upon identifying an unauthorized RDS attempt, Bricks can be configured to automatically initiate a lockdown, requiring two-factor authentication (2FA) to regain system access, thereby adding a robust layer of security.

In conjunction with its AI's adaptability, Bricks maintains a high level of data protection through scheduled re-encryption, customizable to the user's preferences. Should the system identify any activity as a possible intrusion, it proactively re-encrypts the compromised files with a new key, effectively neutralizing the threat. This automated encryption overhaul, paired with the optional 2FA-secured lockdown, forms a comprehensive defense mechanism. The central application's detailed surveillance capabilities extend to monitoring all system, user, and proxy interactions, diligently logging each event and scrutinizing for indicators of malevolent conduct or breaches. This results in a highly responsive and tailored security apparatus, adept at confronting the unique challenges presented by each deployment scenario.





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