Technical Differentiation: What Makes the Halcyon Anti-Ransomware Platform Unique

The Halcyon Advantage

Halcyon is the first contextually aware anti-ransomware platform preventing catastrophic business disruptions from ransomware attacks. The platform complements existing endpoint security products and enhances their capabilities by amplifying weak signals generated by ransomware, helping existing security products trigger malicious events earlier.

Finally, while other products require a security team to devote significant resources and time to deploy, maintain, and use them, Halcyon provides 24/7/365 threat monitoring with the platform at no additional cost. This enables the customer's security team (or third-party security service provider) to focus on other critical security tasks while increasing ransomware resilience.

Understanding the Halcyon Advantage

Being Contextually Aware

Halcyon weights trust based on a combination of attributes and behaviors to determine good, bad, or suspicious activity. Halcyon then carries that intelligence through multiple inspection layers to formulate a high-fidelity detection based on correlating numerous telemetry sources. This allows Halcyon to determine more quickly if an event is potentially malicious, so evasion is much more difficult for the attacker.

Continuous Pre-Execution Improvements

Halcyon delivers an autonomous solution that continuously corrects itself against a false negative result in minutes. Halcyon considers failing to block ransomware at the pre-execution layer a miss. When a threat is caught at any subsequent layer of protection, Halcyon automatically informs and updates the pre-execution layer so the variant cannot evade that first layer of security again.

Avoiding Catastrophic Failure

Halcyon has built resilience into the anti-ransomware platform with an architecture designed specifically to combat ransomware. By focusing solely on this threat, the platform can eliminate the business impact of an attack, in most cases.

Halcyon Features

- Always Included 24/7/365 Expert Threat Monitoring and Recovery
- Pre-execution Prevention
- Ransomware Behavior Detection
- Encryption Key Material Intercept
- Data Exfiltration Protection

About Halcyon

Halcyon is the only cybersecurity company that eliminates the business impact of ransomware. Modern enterprises rely on Halcyon to prevent ransomware attacks, eradicating cybercriminals' ability to encrypt systems, steal data, and extort companies. Backed by an industry-leading warranty, the Halcyon Anti-Ransomware Platform drastically reduces downtime, enabling organizations to quickly and easily recover from attacks without paying ransoms or relying on backups.

Key Use Cases

Detecting and Preventing Ransomware: The Halcyon Platform fills the current ransomware protection gap, protecting against known and novel variants before, during, and after attacks.

Improving Security Stack Efficacy: The Halcyon protective kernel architecture protects endpoint security tools from being blinded, unhooked, or uninstalled by ransomware and amplifying destructive behaviors to bolster their detections via the *Sidekick Protection* feature. In addition, Halcyon's *Kernel Guard Protection* detects when an attacker attempts to disable an installed security control using a known vulnerable driver and disrupts their action.

Endpoint Resilience: Halcyon eliminates the business impact of ransomware attacks by delivering automated recovery in minutes or hours instead of days and weeks. Halcyon captures encryption key material generated during a ransomware attack, enabling the recovery of encrypted data without having to pay ransom.

Key Differentiators

Attacker-Driven Development: The Halcyon Platform was designed around the attacker mindset because exploitation experts built it. The platform's layered control fabric delivers resilience because the platform was built with failure in mind. The platform was built with business impact in mind and substantially reduces – and in most cases eliminates – business impact entirely. Speed and context are everything, and the Halcyon Platform provides exceptionally high efficiency as ransomware is eliminated by multiple detection engines that maintain deep contextual correlations from each preceding layer.

Truly Intelligent Security: Halcyon's adaptive logic allows for swift retooling or the addition of new tooling in real time to prevent new bypass techniques with no impact to product stability. As the Halcyon solution detects ransomware after pre-execution, it sends intelligence back to the pre-execution layer to detect and block that variant in the future.

AI/ML Micro Models: AI/ML micro-models interrogate smaller subsets of data with extremely high fidelity and intercommunicate using the client environment as a distributed brain. These models are incredibly flexible and can adapt rapidly to baseline changes in the environment compared to the "slow to change" nature of convolutional neural networks and deep learning brains used by many traditional endpoint security controls.

See Halcyon in Action

Learn more about what makes Halcyon unique or any other aspect of the Halcyon Anti-Ransomware Platform. Visit **www.halcyon.ai** today to set up a **personalized demo**.