

# Executive Overview: The Halcyon Difference

## Halcyon Features:

- Four layers of ransomware prevention and protection:
  - Pre-Execution
  - Exploitation
  - Behavioral
  - Resiliency
- Exceptionally low system resource consumption
- Simple deployment with no reboots required

## The Halcyon Story

Based in Austin, TX, Halcyon was founded in 2021 by a team of cyber industry veterans after battling the scourge of ransomware and advanced threats for over a decade at some of the most innovative and disruptive security vendors of our day, including leaders from Cylance (now BlackBerry), Accuvant (now Optiv), and ISS X-Force (now IBM). Halcyon is focused on building products and solutions for mid-market and enterprise customers that give organizations the edge against ransomware and other advanced threats.

## Our Mission: Defeat Ransomware

Halcyon is the first solution built from the ground up to combat the explosive growth of ransomware. We've analyzed millions of real-world ransomware campaigns, and enlisted the top data scientists and threat researchers in the cyber security field to develop the Halcyon Anti-Ransomware and Cyber Resilience Platform.

Criminal Ransomware-as-a-Service (RaaS) groups are motivated, profitable, and not constrained by budgets or legality. They pose an existential threat to organizations of all types and sizes – and they're winning.

Halcyon is the first product built using a cyber resilience framework to combat the operational risk of threats like ransomware.

## A Resilient Framework Built with Failure in Mind



**People and processes will fail.** From social engineering campaigns to access sold by rogue insiders, it's best to assume compromise has already occurred.



**Products will be bypassed and evaded.** Attackers have evolved beyond building malware to evade security detection, they go after the security products themselves to bypass and unhook them.



**Downtime is the most important metric.** Every incident requires a robust and detailed response, but the primary charge of IT practitioners is to recover crucial business operations in the event of failure as quickly as possible.

The Halcyon Anti-Ransomware and Cyber Resilience Platform combines multiple proprietary detection, prevention and response engines powered by advanced AI/ML decisioning models trained solely on ransomware samples, making them far more efficient and effective than models trained to look for more common forms of malware.

# The New Model for Building Resilient Organizations Requires:

## Defense Resilience

Existing EPP, EDR, and XDR is not built to stop ransomware. Halcyon's AI is trained on millions of real-world ransomware incidents to plug detection and prevention gaps left by traditional security tools.

## Bypass And Evasion Prevention

Modern attackers commonly leverage bypass and evasion techniques to disable endpoint security agents. Halcyon's unique architecture allows our platform to augment and armor all other security tools running on an endpoint to prevent them from being unhooked.

## Operational Resilience

Every minute a system is down from a ransomware attack costs hard dollars. Halcyon has two key features that reduce the recovery time from a successful ransomware attack from weeks, down to minutes.

## Full Encryption Key Capture

Our intelligent agent captures the encryption event, shuttles the keys into a secure enclave and, after the malicious process is blocked, automatically decrypts any impacted files on the endpoint. This eliminates any need for your organization to pay a ransom.

## Data Exfiltration Prevention (DXP)

Ransomware operators hide their data exfiltration extremely well and handily fool common data loss (DLP) products. The Halcyon DXP module extends the core capabilities to shut down attackers attempting to steal data to later hold for ransom via data extortion attacks.

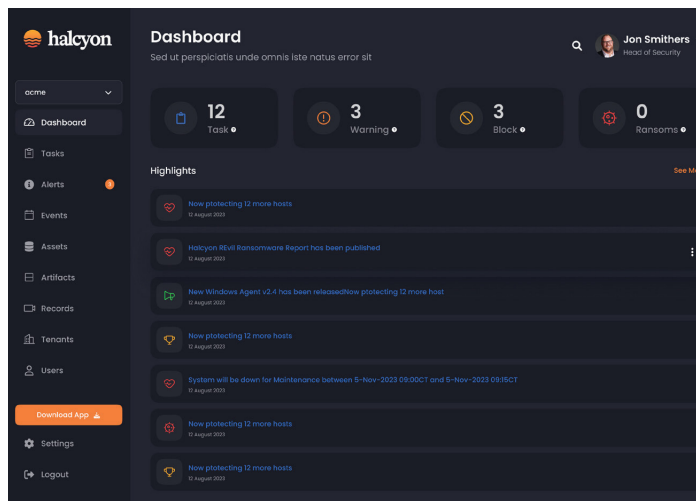


Fig 1: Halcyon Platform – Web Dashboard

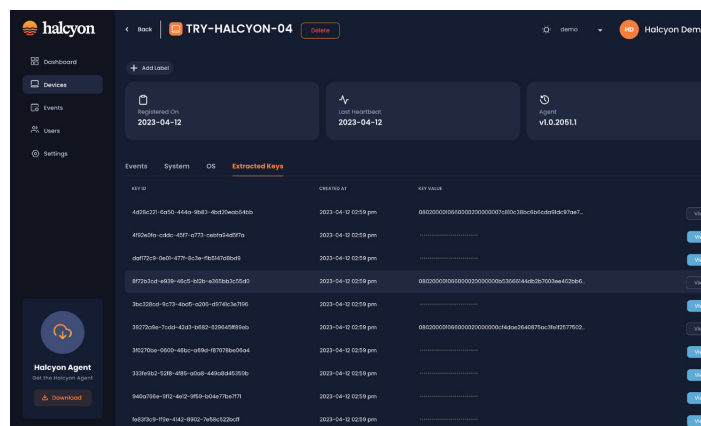


Fig 2: Halcyon Platform – Extracted Keys from Devices

## The Halcyon Anti-Ransomware and Cyber Resilience Platform

Halcyon's unique anti-ransomware platform is easy to deploy, does not conflict with existing endpoint security solutions, and provides several unique levels of protection against ransomware attacks. Halcyon is the first platform to specifically target the problem of ransomware.



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