Executive Overview:
The Halcyon Difference

Our Mission: Defeat Ransomware

With a ransomware attack occurring every 19 seconds today and projections showing attacks occurring every 2 seconds by 2031, security teams need a new approach to combat this existential threat effectively.

Enlisting top data scientists, threat researchers, and practitioners from the cybersecurity world, we developed the Halcyon Anti-Ransomware Platform that protects across all stages of an attack.

Organizations incorporating Halcyon into their security framework achieve resilience to ransomware that they never thought possible, reducing the risk of ransomware impacting their operations significantly.

A Resilient Framework Built with Failure in Mind

People and Processes Will Fail

From social engineering campaigns to legitimate credentials 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 now target security products themselves to bypass and disable them.

Downtime is the Most Critical Metric

Every incident requires a robust and detailed response, but IT practitioners' primary responsibility is to recover crucial business operations as quickly as possible in the event of failure.

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

Halcyon Features

- Three layers of ransomware security capabilities:
  - Pre-Execution Prevention
  - Attacker Behavior Detection
  - Data Decryption and Recovery
- 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 cybersecurity 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.

A New Model for Building Ransomware-Resilient Organizations

Targeted Prevention

Legacy endpoint security technologies cannot keep pace with the evolving ransomware threat due to the breadth of threats they attempt to protect against. Halcyon's targeted prevention, powered by AI, is trained on millions of real-world ransomware samples, allowing it to close the gaps left by other security tools.

Bypass and Evasion Protection

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 disabled.

Full Encryption Key Capture

Our intelligent agent captures the ransomware-initiated encryption key material and decrypts any impacted files on the endpoint after blocking the malicious process. This renders the ransomware attack harmless, eliminating the attacker's ability to demand ransom payments.

Data Exfiltration Protection (DXP)

Ransomware operators hide their data exfiltration well and handily evade 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.
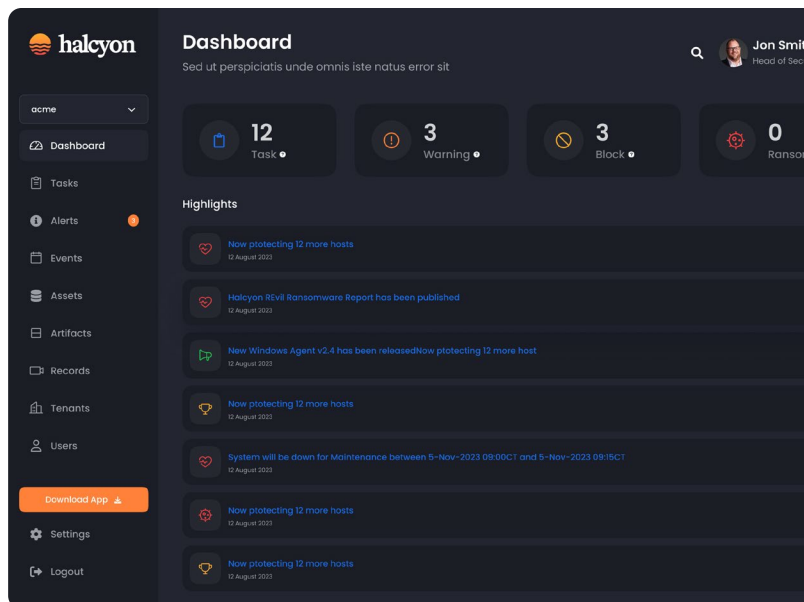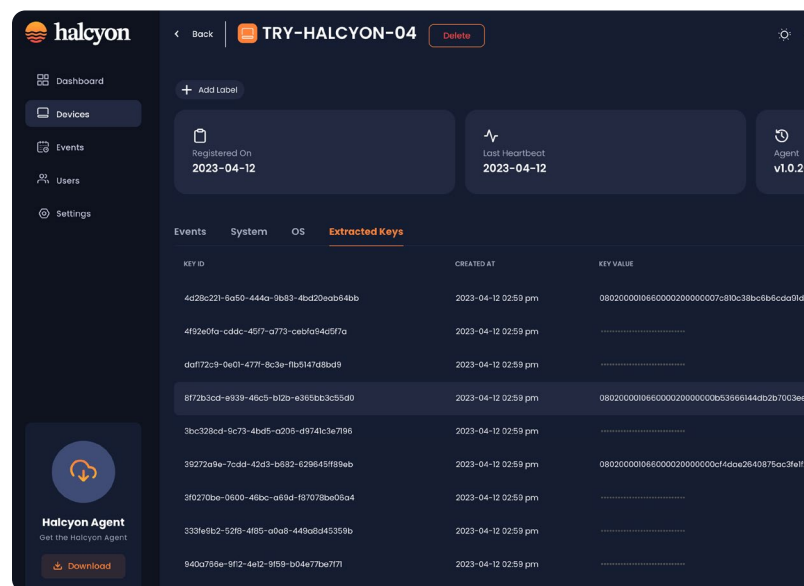
Fig 1: Halcyon Platform – Web Dashboard

Fig 2: Halcyon Platform – Extracted Keys from Devices

See the Halcyon Difference for Yourself

The threat a successful ransomware attack impacts your organization has never been higher. By incorporating the Halcyon Anti-Ransomware Platform into your security framework, you get the targeted ransomware security you need to ensure your organization can withstand any ransomware attack it encounters today, tomorrow, and in the future.

To see Halcyon in action, **visit halcyon.ai** and **schedule a demo** today!