nubeva

Ransomware Response & Reversal

info@nubeva.com
844.538.4638

RANSOMWARE RESPONSE & REVERSAL

Universal Solution to Detect & Decrypt Ransomware Without Paying Ransom or Restoring from Backups

STOPPING RANSOMWARE: THE CHALLENGE

Ransomware continues to dominate as the most visible cybersecurity risk playing out across our nation's networks. Rapidly evolving vulnerabilities, like SolarWinds, Log4j, and large-scale successful attacks, like Colonial Pipeline, have shed new light on the far-reaching destruction these attacks can cause. Yet, despite best-in-class security systems, ransomware continues to get through network security systems and goes unnoticed by end-point detection and response (EDR) systems to await detonation. Once ransomware detonates and encrypts files, corrupted systems require fast recovery. Options today are limited, slow, and potentially expensive.

✗ RECOVER BY BACKUPS

- Average recovery time 21+ days and expertise required.
- Viable backups? Criminals corrupt backups.
- Full time/real time backups are expensive.

✗ PAY RANSOM TO DECRYPT

- No guarantee data recovery even if payment is made.
- Likelihood of being targeted again after payment is made.
- Possible extortion for additional payments after initial payment.

✓ RECOVER STOLEN DATA— NO PAYMENT OR BACKUPS NEEDED

Nubeva has partnered with Copper River CS to provide clients the ability to recover stolen data—without the need to use backups or provide payment for ransomware decryption keys. Utilizing Nubeva's Ransomware Response and Reversal (R3) technology, encryption keys used during a live ransomware attack are stolen, copied, and securely stored allowing the organization to reverse the attack and get back to normal operations almost instantly.

COPY ENCRYPTION KEYS → SAFELY STORE ENCRYPTION KEYS → DECRYPT THE DATA QUICKLY & EASILY

Copper River
Cyber Solutions

AT A GLANCE

- Federally Recognized, Alaska Native, Tribal Owned, SBA 8(a) Certified Entity
- Founded 2016 | 8(a) Graduation 2025
- Experienced Management in Government Contracting

PAST PERFORMANCE

- Defense Health Agency
- Department of State
- Department of Labor
- Department of Defense
- FDA
- USAID
- DISA

ADDITIONAL INFORMATION

- Cage Code: 77YS6
- Tax ID: 47-1669476
- DUNS No.: 079526439
- Primary NAICS Code: 561210
- Additional NAICS Codes: 518210, 541511, 541513, 541611, 545512

LEARN MORE:

ERIC JACOBS
Eric.Jacobs@CopperRiverES.com
www.CopperRiverCS.com

Nubeva R3 Offers Protection Against Most Known Ransomware.

SOLUTION OVERVIEW

Nubeva's Ransomware Response & Reversal technology fills a critical gap in the national ransomware response. The Nubeva software instantly detects ransomware encryption and immediately alerts to any SOC/SIEM/SOAR product. Nubeva then decrypts the ransomware encryption keys during a live attack and steals copies of the encryption keys which allows the enterprise to reverse the attack and get back to normal operations almost instantly.

Technical Value Promise:
Detect & decrypt successful ransomware attacks, quickly and easily.

Business Value Promise:
Reduce or eliminate potential downtime costs and consequences.

Global Value Promise:
Eliminate the crypto-ransomware threat as we know it today.

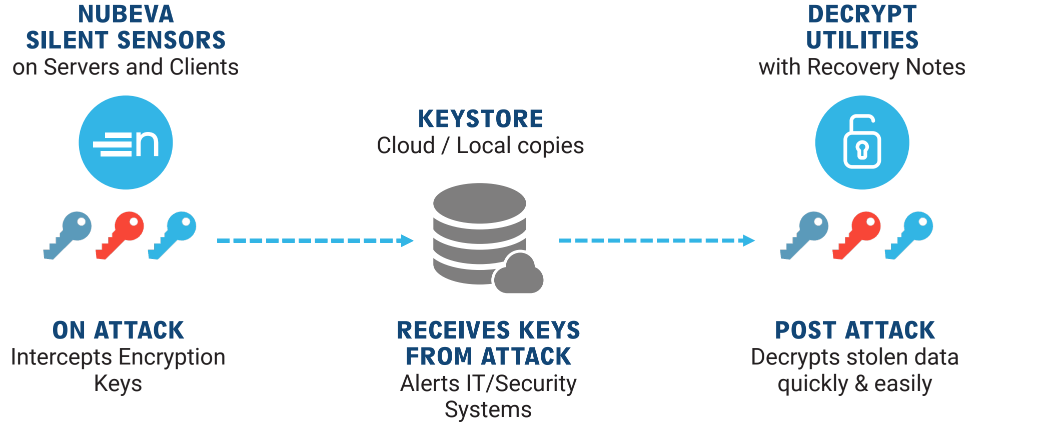
HOW WE REVERSE THE IRREVERSIBLE

Nubeva has perfected the ability to learn and extract the symmetric file encryption keys used by ransomware. Delivered as a small and efficient read-only system service on a client or server, the software can reliably detect ransomware encryption events and intercept copies of keys. With file keys available, restoration is not only possible but is fast and straightforward. The capability is an adaptation of Nubeva's patented SKI (Session Key Intercept) technology, initially developed for intercepting TLS/SSL session keys to enable next-generation network traffic decryption and inspection. SKI is a patented and proven technology licensed by numerous cybersecurity and application monitoring companies around the world.

HOW IT WORKS?

1. Install Nubeva's silent sensors*
2. The sensors instantly detect encryption key activity during a ransomware attack.
3. Sensors signal instant alerts and copy/store keys in multiple protected locations.
4. When users are ready for data recovery, Nubeva support provides decryptors and assistance to decrypt and restore the data using the intercepted keys.

** When no ransomware events are active, Nubeva's silent sensors use negligible memory and CPU. The silent sensors auto-update, without restarts, to ensure the latest coverage of ransomware families.*



NUBEVA SILENT SENSORS
on Servers and Clients

KEYSTORE
Cloud / Local copies

DECRYPT UTILITIES
with Recovery Notes

ON ATTACK
Intercepts Encryption Keys

RECEIVES KEYS FROM ATTACK
Alerts IT/Security Systems

POST ATTACK
Decrypts stolen data quickly & easily

nubeva

Steve Perkins
info@nubeva.com
844.538.4638

LEARN MORE: WWW.NUBEVA.COM