EdgeGuard for Ransomware

Next generation data protection safeguards end-user files from ransomware and other malware at run-time, so organizations can remain in control of their data.

Data is Exposed to Ransomware

93% report ransomware **infiltrating anti-virus** or **anti-malware** software

Average **ransom** demand was **$679** in **2016,** more than **double** the $295 demanded in **2015.**

33% of businesses have experienced a ransomware **attack** in the last year

70% of **businesses infected** with ransomware have **paid ransom** to regain access

Data Protection Challenge:
Ransomware has many variants and affects all industries.

- End user device targeted for ransomware

- Ransomware infection encrypts end user files

- Files decrypted if ransom is paid, otherwise permanently inaccessible

Ransomware Damage Impact:
Financial loss, productivity loss, disruption to critical infrastructure, safety, brand credibility, customer loyalty, revenue and more!

EdgeGuard Offers Data-Centric Security

EdgeGuard offers a unique, **data-centric solution** to protect files from ongoing ransomware attacks.

EdgeGuard only allows authorized apps to gain file access and **blocks** ransomware from encrypting files.

EdgeGuard **enables** the end user to **locally restore** files permanently deleted by ransomware, other malware, or accidentally.
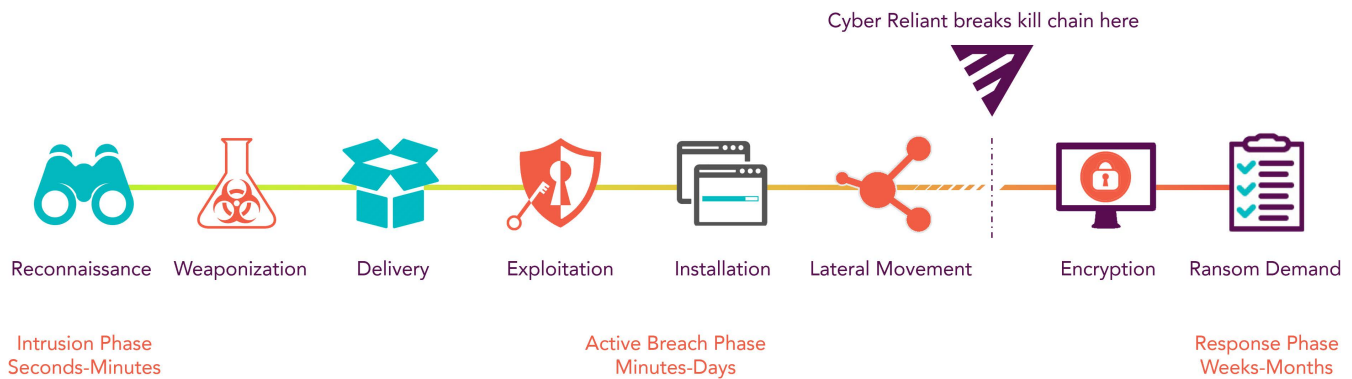
1. Encrypt

2. Shred

3. Disperse

4. Recombine
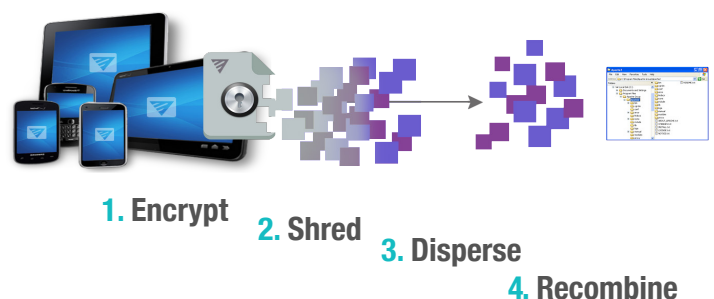
Encryption Alone does NOT Protect Against Ransomware

- Existing security approaches **are not** sufficient to protect data from ransomware.
- Anti-Malware software **will not** catch all variations.

- Most devices **are not** up to latest OS patch levels leaving them exposed.
- Trusted boot-up software alone **will not** prevent infection.

FEATURES / SOLUTIONS	Encryption	Shredding	Protection at Runtime	No Performance Latency	Fast Bootup & Bootdown	NIAP/CSfC Certification	Ransomware Protection
EdgeGuard	✔	✔	✔	✔	✔		✔
File Level Encryption	✔			✔	✔		
Full Disk Encryption Software	✔					✔ BitLocker	
Full Disk Encryption Hardware	✔			✔	✔		

Ransomware Kill Chain Stopped by EdgeGuard

Cyber Reliant breaks kill chain here

Reconnaissance — Weaponization — Delivery — Exploitation — Installation — Lateral Movement — Encryption — Ransom Demand

Intrusion Phase
Seconds-Minutes

Active Breach Phase
Minutes-Days

Response Phase
Weeks-Months

Benefits

- Minimize ransomware damage: no financial loss from ransom payment, brand damage, etc.
- Maintain control of your data
- Maximize operational productivity with minimal recovery time

- No dependency on backup servers or restore mounts
- Locally restore the latest version of your deleted files
- Run-time, data-centric protection

Supported Platforms: Windows 8.1 & 10

About Cyber Reliant Corp

Founded in 2010, Cyber Reliant's next generation data protection stays with data to keep information safe and industries thriving. Cyber Reliant supports the classified or sensitive data protection needs of Government agencies (DoD and Intelligence communities) and companies in regulated markets, such as Healthcare and Financial Services.