EchoLeaf Systems radically shortens recovery timeframes, and simplifies the recovery process, with lower costs and predictable outcomes in the aftermath of Malicious Malware Attacks
Plus a whole lot more!

Physically-isolated immutable recovery environments for cyber-protection

EchoLeaf delivers

- Patented recovery from both known *and unknown next evolution of cyberattacks and ransomware as a service (e.g. GenAI, quantum-ready encryption, zero day exploits).*
- Collapses recovery/restoration time (currently industry average of weeks/months) to client-set RTOs (can meet extremely aggressive RTOs such as hours/ days).
- Non-disruptive to your current environment and workflows – offering incremental protection.
- Multiple physically-isolated immutable recovery environments. Each environment has self-contained critical processing units (compartmentalized pods).
- TCO comparably less than half of Cloud/Disc/Flash industry solutions.
- EchoLeaf binds it all together with off the shelf hardware and can easily scale from 100 terabytes to over 11 petabytes.

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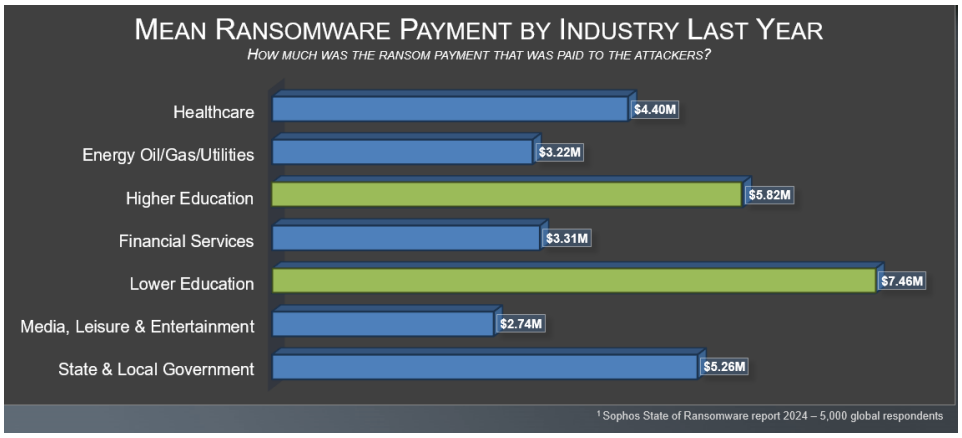
Malicious software attacks, including ransomware, are growing exponentially across every industry and with no end in sight! It is estimated that annual Global Ransomware Costs will exceed $265B by 2031.

Over 63% of lower education providers & **66%** of higher education hit by ransomware in 2023. More than double over 2021.

$2.73M
Average Ransomware Recovery Cost in 2023
(Excluding the Ransom Payment itself!)

Downtime & Disruption Longer: Average downtime for all industries is growing, and Education is exceeding the average of 30-45 days across other industries and averaging **3-6 months**.

Payouts Higher: Higher and Lower Education also led the way in Ransomware Payouts by a wide margin.



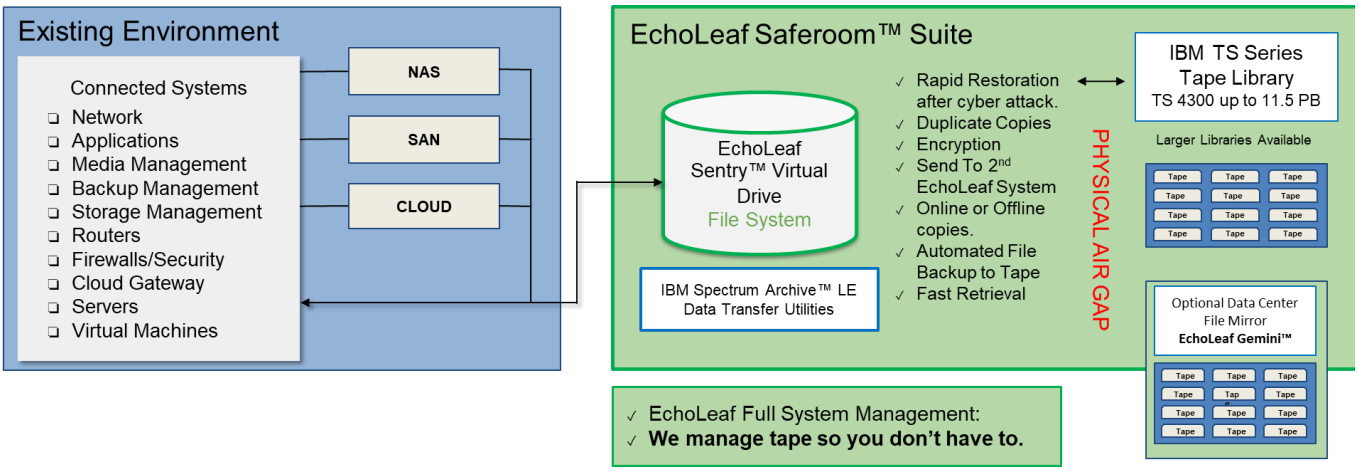
Intrusion is ***WHEN***, *not* ***IF***

What's your plan when you lose your connected resources?

EchoLeaf is aligned with your goals to safeguard and restore your key assets and archives after an attack by malicious threats like ransomware, data destruction, or attempted data theft.

The EchoLeaf Saferoom Suite™

- First of its kind. The combined EchoLeaf and IBM solution integrates an automated data copy version of production data onto virtualized, air-gapped, secure LTFS Data Cartridges.
- EchoLeaf Saferoom™ provides a highly-resilient, scalable, modular solution to meet customer's cyber security requirements.
- True Physically-Isolated Immutable & Patented recovery from both known and unknown next evolution of cyberattack and ransomware as a service (e.g. GenAI, quantum-ready encryption, Zero Day exploits).
- Meets mandated Multi-Year Retention and Air-Gapped requirements.
- Dramatically Collapses Recovery/Restoration Time (currently cross-industry average of weeks/months) to client-set RTOs (meet extremely aggressive RTOs such as hours or days).
- EchoLeaf is Non-Disruptive to your current environment and workflows – offering incremental protection.
- Multiple physically-isolated immutable recovery environments. Each environment has self-contained critical processing units (compartmentalized pods).
- Dramatic TCO savings, costing far less than Cloud/Disc/Flash with no unpredictable egress charges or delays to access your data.
- Easily Scalable from 100TB to over 11PB.



EchoLeaf System Components

EchoLeaf Sentry™ Patented Orchestration Engine secures and isolates your data from ransomware, data destruction and other malicious threats with compartmentalized and physically air gapped immutable storage.

EchoLeaf Radical Recovery extremely rapid "Bare Metal" Restoration of key assets, and archives.

EchoLeaf geo-duplication creates an independent second copy of your data at another physical site for geographic redundancy protection."

EchoLeaf Patented Virtual Drive (EVD) virtualizes the IBM Spectrum Library Edition folders, enabling scale to Enterprise LTO Libraries.

Operates as a network storage location files are written to and restored from the target as they would be from any other network location).

Echo your data today™!