

EchoLeaf Systems radically shortens recovery timeframes, and simplifies the recovery process, with lower costs and predictable outcomes in the aftermath of Malicious Malware Attacks

Physically isolated immutable recovery environments for optimal 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 over 30 days) to client-set RTOs (can meet extremely aggressive RTOs such as hours).
- 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.

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.

The Finance and Insurance industry trailed behind manufacturing as the **Second Most Attacked Industry in 2023** for the third year in a row with **65%** of financial industry companies (average across all revenue tiers) hit by Ransomware in 2023ⁱⁱ.

Average cost of a data breach in the financial industry

USD 6.08M

2nd highest cost
of 17 industries
studied

22% higher than
the USD 4.88M
global average

3% higher
compared
to 2023

In addition, **90% of financial services organizations** hit by ransomware in the past year said that cybercriminals attempted to **compromise their backups** during the attack. Organizations with compromised backups are twice as likely to pay the ransom, have an 8X higher overall recovery bill, and are 63% more likely to have their data encrypted. Ransom demands were, on average, more than double.

Ransomware in Financial Services

- 🔄 **94%:** Percentage of Attacks Where Adversaries Attempted to Compromise Backups
- 🔄 **62%:** Percentage of Financial Services Companies Turned to Backups for Recovery
- 🔄 **\$3.3M:** The Mean Ransome Paid in Financial Services Organizations to Recover from a Ransomware in 2024
- 🔄 **\$2.58M:** Recovery Costs **Beyond** the Ransom Paid an increase from the **\$2.23M** reported in 2023.
- 🔄 **Operational Impact High and Broad:**
 - General Operations, Payroll, Vendor Payments
 - Potential for Significant Financial Losses and Reputational Damage

To address this threat, the **EchoLeaf SafeRoom Suite™**, with its true physical Air-Gapped storage management and recovery system, has emerged as a powerful strategy to securely and reliably protect, and rapidly recover essential data.

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Intrusion is Not a matter of if your organization
will be attacked, but **WHEN** and **HOW OFTEN...**
and **WHAT WILL IT COST!**

Effective and Secure backups are a critical part of a holistic cyber risk reduction strategy, and true physical air-gapped backups to immutable storage provide the last line of defense against data loss, corruption, and unauthorized access in the event of network intrusion, such as a ransomware attack, compromised software applications, system failure, or human error.

The EchoLeaf SafeRoom™ Physical Air-Gap Solution delivers unparalleled security and the strongest defense against malware and ransomware through complete data isolation, dramatically fast disaster recovery, and rapid non-disruptive deployment, delivering a cost-effective and scalable solution for organizations of all sizes concerned with cyber threats and disaster recovery.

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. It provides a scalable, modular solution to meet small and enterprise sized business'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 Multi-Year retention and Physical Air-Gapped requirements.**
- 🌀 **Dramatically Collapses Recovery/Restoration Time** (currently industry 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 – providing a simple NFS mount interface and offering incremental protection.
- 🌀 **Multiple physically isolated immutable recovery environments.** Each environment has self-contained critical processing units (compartmentalized pods).
- 🌀 **Dramatic TCO savings** far less than Cloud/Disc/Flash with no unpredictable monthly storage costs, write event costs, tiering levels, egress charges or external network delays to access your data.
- 🌀 **Easily Scalable** from 200TB to over 11PB.

Echo Your Data Today™!

To learn more, please visit www.echoleafsystems.com.

ⁱ IBM Cost of a Data Breach Report 2024

ⁱⁱ Sophos State of Ransomware Report 2024