

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 200 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 IT, Technology and Telecommunications Industry sector, is the sixth most targeted industry for cyber-criminals and aside from their critical infrastructural role, handle massive amounts of private and confidential personal and business information.

Average cost of a data breach in the communications industry

USD 4.09M

10th highest cost
of 17 industries
studied

18% lower than
the USD 4.88M
global average

5% higher
compared
to 2023

Criminals know that organizations are increasingly turning to their backups for recovery from a ransomware event, and as a result, over **90% of IT, technology and telecom organizations** hit by ransomware in the past year said that cybercriminals attempted to **compromise their backups** during the attack. Further, across all industry sectors, 57% of backup compromise attempts were successful, meaning that adversaries were able to impact the ransomware recovery operations of over half of their victims.

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 also, on average, more than double.

🔄 **96%:** Percentage of Attacks Where Adversaries Attempted to Compromise Backups

🔄 **57%:** Backup Compromised Success Rate Across All Sectors

🔄 **2X:** Ransom Demands & Payments More Than Double When Backups Are Compromised

🔄 **8X:** Higher Overall Recovery Costs When Backups Are Compromised

🔄 **\$4.09M:** Average Cost of a Data Breach in the Telecommunications Industry

🔄 **Operational Impact High and Broad:**

- Disruption of General Operations, Billing, Payroll, Vendor Payments
- Theft of Private and Confidential Customer and Business Information
- Potential for Significant Financial Losses, Increased Insurance Costs, 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 Suite™

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.

- 🌀 **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 protection requirements.**
- 🌀 **Dramatically Collapses Recovery/Restoration Time** (currently industry is weeks/months) to client-set RTOs (meet extremely aggressive RTOs such as hours or days).
- 🌀 **Point-In-Time Recovery** Orchestration.
- 🌀 **EchoLeaf is Non-Disruptive** to your current environment and workflows – providing a simple NFS/CIFS mount interface and offering incremental protection.
- 🌀 **Built in Hardware based Symmetric Encryption** available. Quantum Encryption ready.
- 🌀 **Remarkable TCO savings:** Far lower 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 capacity (native) in a single library system.
- 🌀 **Automatic Multiple Copies, and Synchronization with Multiple EchoLeaf SafeRoom** locations for geographic redundancy.
- 🌀 **IBM Certified Solution** (24 Month Validation Process).
- 🌀 **Lowest Energy Consumption and Carbon Emissions** for Data Storage vs Disk or Cloud (*up to 87% over 10 years*).

Echo Your Data Today™!

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