

Iron Mountain Offsite Tape Vaulting and Managed Services

Cyberattacks are on the rise. Is your cloud backup a target? Your final defense against digital threats is physical separation.

Challenge: Rising storage costs and cyber threats

Organizations generate vast amounts of structured, unstructured, sensitive, and long-term archival data, all of which require secure, cost-effective storage solutions. However, as cyberattacks become more frequent, relying solely on cloud backups poses a significant risk. These environments are highly accessible and can be vulnerable to network breaches and ransomware attacks.

Solution: Air-gapped tape storage

Iron Mountain provides comprehensive Offsite Tape Vaulting and Managed Services solutions that create a physical “air gap” for your critical data. By keeping data offline and offsite, tape storage becomes inaccessible and protected from remote attacks. This strategy serves as a crucial physical barrier and the final line of defense against digital threats.

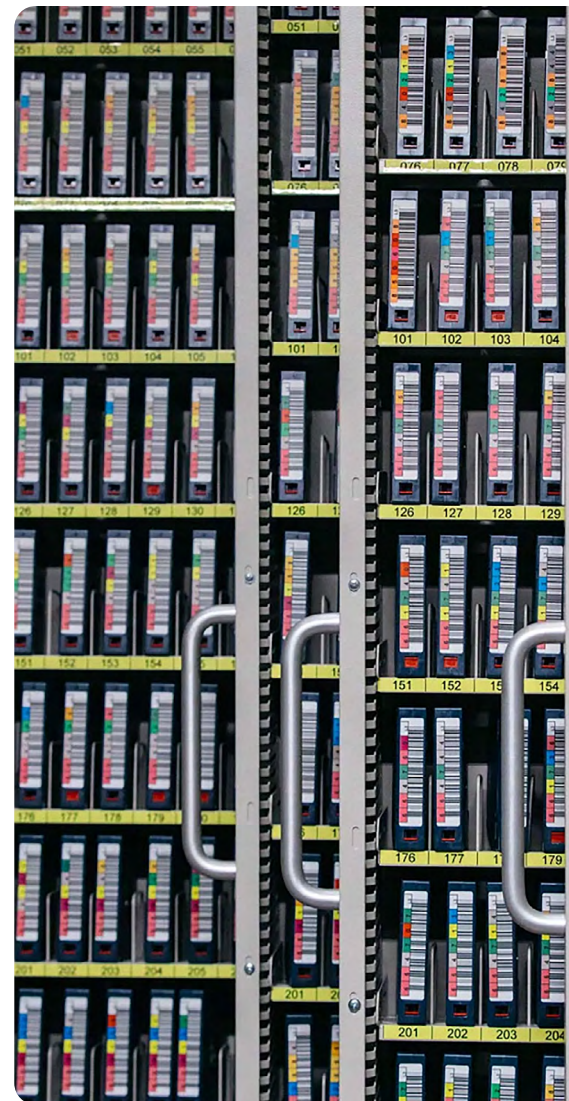
Integrating tape into your backup process easily fulfills the 3-2-1-0 backup rule:

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| Redundancy: 3 copies of data | Isolated copy: 1 offsite that is air-gapped |
| Diversity: 2 different media types | Recoverability: 0 opportunity for data infiltration |

Key benefits of an air-gapped tape strategy

- > **Secure:** Tape provides an offline, air-gapped data copy immune to network-spreading ransomware, ensuring secure recovery.
- > **Cost-effective:** Tape offers the lowest Total Cost of Ownership (TCO) and the lowest per-terabyte costs.
- > **“De-egress” savings:** Minimize the high costs commonly associated with data egress and cloud storage transfer fees.
- > **Scalable:** Increasing tape capacities makes it a smart investment in digital resilience.
- > **Durable:** When stored in the right environment, linear tape open (LTO) cartridges are durable for up to 30 years, reducing data migration costs compared to hard disk drives (HDD).
- > **Compliant:** Tape supports Write Once, Read Many (WORM) technology for data immutability, ensuring compliance and legal retention.
- > **Sustainable:** Tape only requires power for reading or writing data, making it a more energy-efficient option for digital storage.

In today’s world of cyber resilience, the question is not *if* you will face a cyberattack, but *when*.



Iron Mountain offers a comprehensive service portfolio

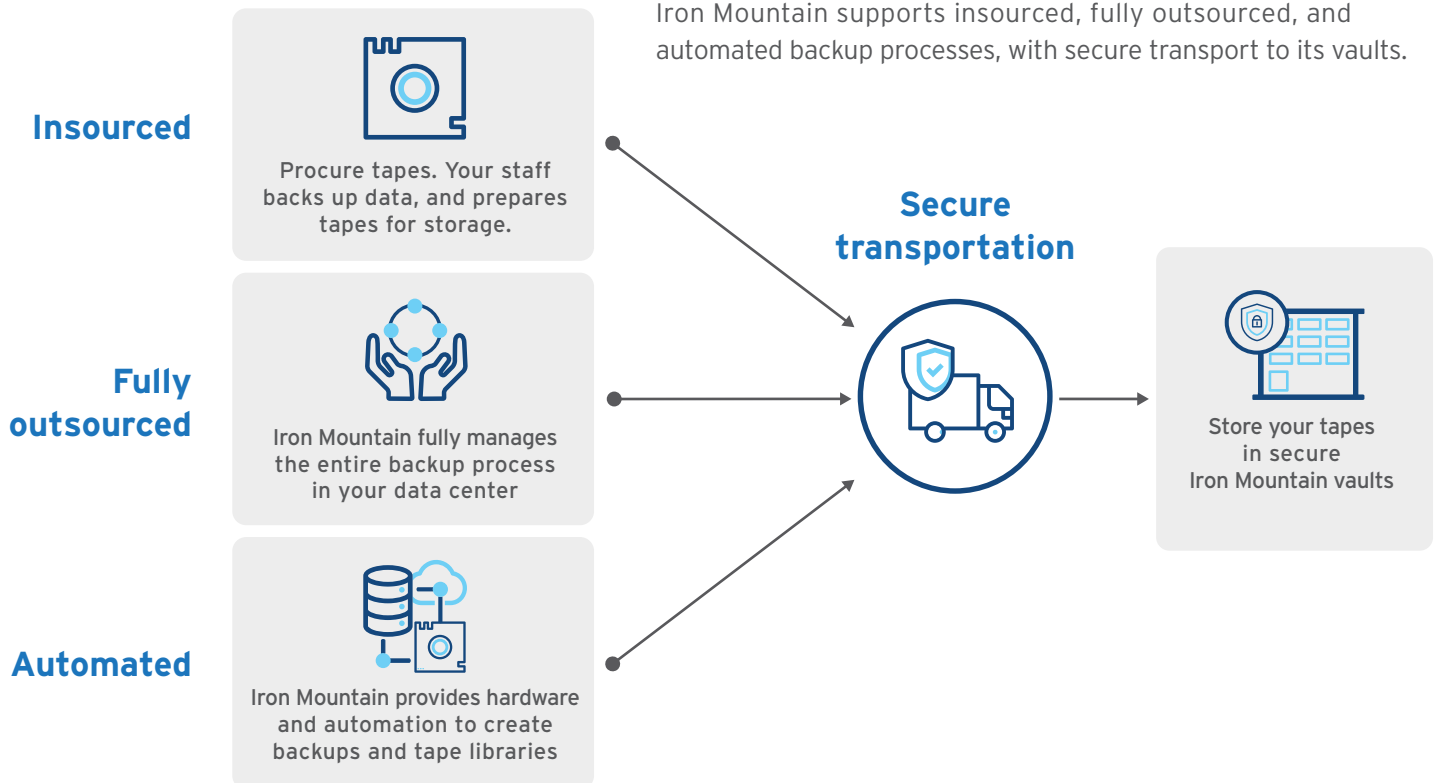
- > **Offsite Tape Vaulting:** Temperature and humidity-controlled facilities featuring physical barriers, keycard access, CCTV, and specialized non-water fire suppression systems, with underground options available
- > **Managed Services and Tape Library Moves:** Trained Iron Mountain staff to manage your tape environment, freeing up your internal IT resources for mission-critical demands, alongside comprehensive media relocation and tracking
- > **Data Migration and Restoration Services:** One-time restoration projects, ad hoc cataloging, and seamless data migration between tape, disk, and cloud environments
- > **Technology Assistance:** Support for tape operations when you lack the necessary infrastructure, including backup and data access services and file-format updates that reduce the need to maintain outdated systems
- > **IT Asset Disposition:** Secure collection, transportation, and destruction of electronic media and IT devices at the end of their lifecycle
- > **Disaster Recovery Support:** We offer 24/7 tape delivery to your data center, Iron Mountain's, or to one of your partners. This service ensures mission-critical data is accessible for routine testing or urgent recovery after a cyberattack or system failure

Think strategically about how you use tape

Tape storage is best suited for massive data volumes, active archives, and sensitive data that is rarely accessed but critical to retain.

Select the backup process that works best for your organization

Iron Mountain supports insourced, fully outsourced, and automated backup processes, with secure transport to its vaults.



What you gain:

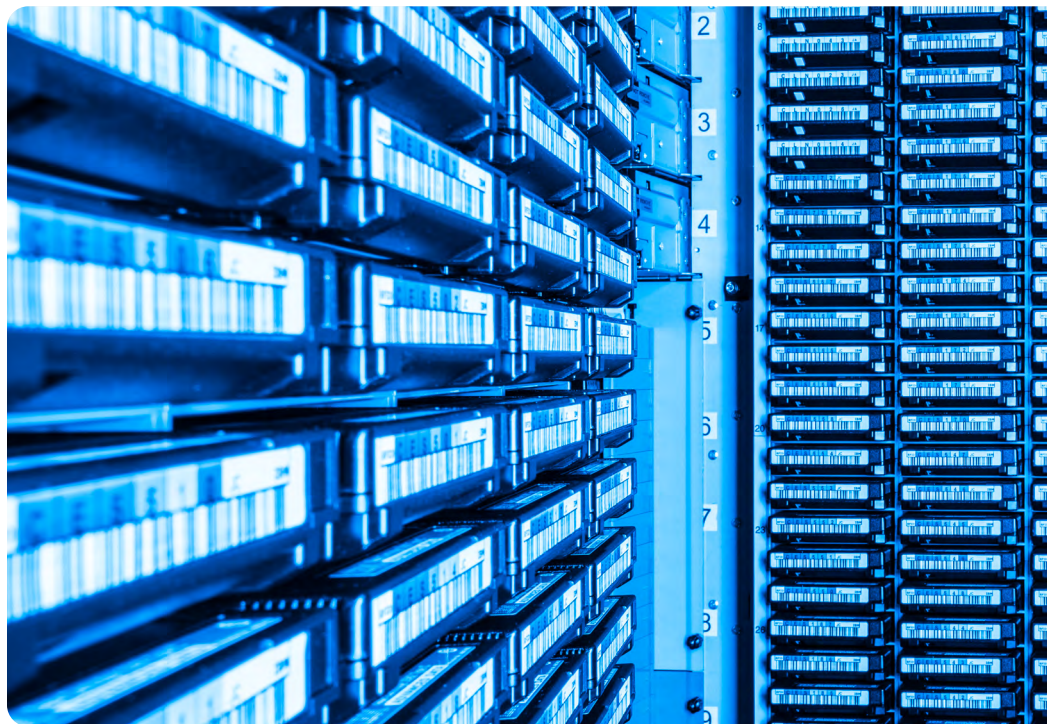
- Tape-based strategies provide **ultimate security**:
 - **Air-gap resilience** through physical separation
 - **Defense** against network breaches and ransomware attacks
 - **Business continuity** after a catastrophic cyberattack
- **Lower-cost and long-term** archival solution compared to cloud storage
- **Mitigate risk** with a fixed cost insurance against major incidents

Between 60% and 80% of data quickly becomes “cold”—with little or no access frequency—after 90 to 120 days. Moving 60% of that data to tape for 10 years will not only reduce your costs but also support your sustainability goals.

Source: Horison Information Strategies: *Tape. New Game. New Rules.*

The Iron Mountain advantage

With over 70 years of experience in information management and protection, Iron Mountain offers unparalleled global scale and infrastructure. The company operates approximately 1,300 facilities across six continents and 60 countries, supported by 27,000 employees and a secure logistics fleet consisting of 4,500 vehicles.



To learn more, visit
[ironmountain.com/tape](https://www.ironmountain.com/tape)

800.899.IRON | [ironmountain.com](https://www.ironmountain.com)

About Iron Mountain

Iron Mountain Incorporated (NYSE: IRM), founded in 1951, is the global leader for storage and information management services. Trusted by more than 225,000 organizations around the world, and with a real estate network of more than 98 million square feet across more than 1,400 facilities in over 60 countries, Iron Mountain stores and protects billions of information assets, including critical business information, highly sensitive data, and cultural and historical artifacts. Providing solutions that include secure storage, information management, digital transformation, secure destruction, as well as data centers, art storage and logistics, and cloud services, Iron Mountain helps organizations lower cost and risk, comply with regulations, recover from disaster, and enable a more digital way of working. Visit www.ironmountain.com for more information.

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