

Adaptive Recovery

Data Recovery

File Restoration After Ransomware Attacks

Ransomware attacks often cause downtime, data loss, and costly ransom demands. Morphisec's **Data Recovery** feature, part of the **Anti-Ransomware Assurance Suite**, allows businesses to restore encrypted files quickly and reliably without paying a ransom. By intercepting encryption keys in real time, it ensures swift decryption while eliminating reliance on backups or ransom negotiations. Compatible with Windows and Linux, this feature supports seamless recovery across diverse environments. Morphisec's Data Recovery solution not only reduces recovery costs and operational disruptions but also solidifies its position as a leader in ransomware protection—preventing attacks at every stage while enabling rapid recovery.

Key Benefits



Immediate Data Restoration

- + Recover encrypted files efficiently with minimal downtime and operational disruption.
- + Avoid ransom payments while minimizing business disruption.



Real-Time Encryption Key Capture

- + Captures encryption keys as ransomware executes, ensuring no data is permanently lost.
- + Prevents reliance on ineffective or resource-intensive recovery methods.



Broad Ransomware Coverage

- + Operates effectively against common ransomware families, including LockBit, Conti, and Babuk.
- + Operates seamlessly across Windows and Linux environments, supporting symmetric algorithms.



Transparent and Automated Operation

- + Runs effortlessly in the background without requiring user intervention.
- + Lightweight design ensures negligible impact on system performance.



Enhanced Customer Confidence

- + Provides a reliable safety net that restores trust after ransomware incidents.
- + Aligns with compliance requirements for data protection and recovery.



Cost Efficiency

- + Reduces incident response efforts and downtime costs, delivering significant savings.

How It Works

The **Data Recovery** feature intercepts encryption keys in real time by monitoring critical system-level operations commonly used during ransomware encryption. This advanced capability enables secure symmetric key capture, which is then used to decrypt and restore affected files.

By focusing on ransomware's encryption process, Morphisec ensures rapid recovery without exposing sensitive technical hooks or requiring ineffective or resource-intensive decryption methods.

Technical Specifications

Compatibility

- Morphisec Windows Protector Version 8.6 and later
- Morphisec Linux Protector Version 3.2 and later

Performance Impact

- Minimal CPU, memory, and I/O overhead
- Optimized for efficient operation with selective data retention

Gartner: “The cost of recovery and resulting downtime in the aftermath of a ransomware attack, and the cost of the reputational damage, can amount to 10 times the amount of the ransom itself.” ¹

Gartner

¹ Gartner. How to Prepare for Ransomware Attacks. Paul Furtado. 16 April 2024

Get Started with Morphisec Adaptive Recovery

Morphisec's Data Recovery is available as part of the **Anti-Ransomware Adaptive Recovery Suite**. Protect your business from ransomware disruptions. With **Data Recovery**, you can ensure encrypted data is restored quickly and reliably, keeping your operations running smoothly.



See Morphisec in action

Stop ransomware with our
Preemptive Cyber Defense Platform

Get a demo

About Morphisec

Morphisec is the trusted global leader in prevention-first Anti-Ransomware protection, redefining cybersecurity with our industry-leading Automated Moving Target Defense (AMTD) technology. Our solutions are trusted by over 7,000 organizations to protect more than 9 million endpoints worldwide, stopping 100% of ransomware attacks at the endpoint and safeguarding businesses against the most advanced and dangerous threats, including zero-day exploits and ransomware.

At Morphisec, we don't just fortify defenses – we proactively prevent attacks before they happen, delivering unmatched protection and peace of mind to our customers. With our Ransomware-Free Guarantee and commitment to Preemptive Cyber Defense, we set the standard for accountability and innovation in the fight against modern cybercrime.

As a rapidly growing company, we are dedicated to empowering security professionals and organizations to adapt, protect, and defend against ever-evolving threats. Join us in shaping the future of cybersecurity with prevention-first strategies and unparalleled expertise.

To learn more, visit morphisec.com