

# Morphisec Adaptive Recovery

## *Data Recovery + Forensic Recovery: Comprehensive Ransomware Resilience*

Ransomware attacks often cause significant downtime, data loss, and operational disruptions by targeting both recovery processes and forensic data. Morphisec's **Adaptive Recovery** offers an innovative, multi-layered approach to combat these threats. The **Data Recovery** feature ensures encrypted files are restored quickly without relying on ransom payments or backups by intercepting encryption keys in real-time. Meanwhile, **Forensic Recovery** preserves critical forensic data—such as security events and attacker traces—in tamper-proof storage, enabling fast incident investigation and comprehensive recovery. Together, these features empower organizations to recover encrypted files, maintain visibility into an attack's progression, and strengthen defenses against future threats.

### Key Benefits

	Data Recovery	Forensic Recovery
Real-Time Operation	Captures encryption keys as ransomware executes	Continuously backs up forensic data (e.g., logs, execution traces) to prevent tampering or deletion
Tamper-Proof Security	Ensures captured keys are securely stored	Secures forensic artifacts in an immutable, encrypted format to prevent unauthorized modification
Attack Insight	Focuses on recovering encrypted files without requiring brute-force	Preserves visibility into attacker behavior, initial access, and lateral movement
Automation	Operates transparently without user interaction	Automatically protects forensic data with zero manual effort
Compliance Alignment	Meets regulatory data restoration requirements	Aligns with MITRE ATT&CK Techniques T1070.001 and T1562.002 to support compliance by detecting and preventing log tampering.

### How They Work Together

**Adaptive Recovery** integrates Data Recovery and Forensic Recovery to deliver a comprehensive ransomware resilience solution by addressing two critical needs:



**1. Restoring Encrypted Data:** Data Recovery intercepts encryption keys during ransomware execution, ensuring immediate recovery of encrypted files.



**2. Forensic Recovery:** Continuously secures critical forensic data—such as security and application indicators—in a tamper-proof format, preserving visibility into attacker behavior and reducing time to respond and recover.

## Technical Specifications

	Data Recovery	Forensic Recovery
Operating System	Morphisec Windows Protector Version 8.6 and later. Morphisec Linux Protector Version 3.2 and later.	Morphisec Windows Protector Version 8.6 and later. Morphisec Linux Protector Version 3.3 and later.
Integration	Compatible with Endpoint Detection and Response (EDR) solutions	Works with MITRE ATT&CK-aligned monitoring tools
Footprint	Minimal impact on CPU, memory, and I/O performance	Lightweight and easy to configure design ensures no disruption to operations

### Get Started with Morphisec Adaptive Recovery

Morphisec's **Adaptive Recovery** is available as part of the **Anti-Ransomware Adaptive Recovery Suite**. Safeguard your organization from ransomware disruptions with a solution that ensures encrypted data is restored quickly, and critical forensic evidence is preserved. With Adaptive Recovery, you can minimize downtime, strengthen your defenses, and maintain operational resilience.

Learn more about **Data Recovery** and **Forensic Recovery**:

[Get the Data Recovery Data Sheet](#)

[Get the Forensic Recovery Data Sheet](#)



### 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](https://morphisec.com)