MORPHISEC

Data Sheet

Anti-Ransomware Assurance Suite

Adaptive Exposure Management and Automated Moving Target Defense (AMTD)

Reduce Your Attack Surface Before It's Exploited

Identify Your Risks

A strong **anti-ransomware strategy** is essential for organizations aiming to build an effective, **resilient, multi-tiered protection model**. This strategy integrates **prevention, detection, response,** and **recovery** capabilities to address the full lifecycle of ransomware threats.

The core benefits include:

- **Proactively reducing risk exposure**
- **Minimizing the attack surface**
- **Enabling faster containment** of incidents
- **Accelerating recovery** from potentially devastating attacks

By implementing such a comprehensive strategy, organizations can significantly **enhance their cyber resilience, protect critical data**, and maintain **business continuity** in the face of evolving ransomware threats.

Morphisec **Anti-Ransomware Assurance Suite** offers the unique capability of tech based Anti-Ransomware prevention which helps create a credible defense in depth strategy addressing prevention and recovery capabilities using many of the modules described below.

Combining the **Automated Moving Target Defense (AMTD)** based Anti-Ransomware prevention with the Adaptive Exposure Management add's the visibility layer which pro-actively addresses exposed attack surfaces to the organizations thereby strengthening the Anit-Ransomware assurance strategy.

The various modules of AEM enhances the visibility aspect and feature described below compliments the prevention to offer early detection of risk's.

Anti-Ransomware Assurance Suite

Adaptive Exposure Management	Infiltration Protection	Impact Protection	Adaptive Recovery
Vulnerability Prioritization	Runtime Memory Protection	Tamper protection	Forensic Recovery
Security Controls Validation	Privilege Escalation Protection	Data Encryption Protection	Data Recovery
Security Misconfiguration	Credential theft Protection	Wiping protection	
High-Risk Software	Hacking tool Protection		
Legacy Software	Exfiltration Protection		
Browser Extensions			
Software Inventory			
Privileged Accounts			

Legend:

Prevention Feature | Visibility Feature | New Feature

Modules	Business Use-Case	Description	Product	Release Date
Vulnerability Prioritization	Gaps in patching process	Attack surface exposure pointing to the vulnerable applications running in the environment	AEM	2024
	Application vulnerability prioritization	Combines EPSS metrics along with usage to provide accurate visibility of most vulnerable applications running in the environment and thus		
Security Control Validation	Create customized policy to monitor security controls continuously	Continuously monitor security posture	AEM	2024
	Discover assets not compliant to the organizational policies	Visibility of Exposed risks of assets deviating from internal compliances		

Modules	Business Use-Case	Description	Product	Release Date
Security Misconfiguration	Continuously monitor hardening best practices	Continuously monitor if critical configuration policies are applied on corporate assets	AEM	2024
		Discover assets which deviate from approved compliance policies		
High Risk software	Discover the presence of risky software used by adversaries in real world	Risk Exposure reduction by constant monitoring	AEM	2024
Legacy software	Discover presence of end of life/end of support software	Avoid non compliances in Audits	AEM	2025
	Reduce Exposure to known vulnerabilities	Prepare secondary controls to contain risk exposure		
Software Inventory	Track software usage across the environment	Monitor software's deployed in the environment and distribution	AEM	2025
Browser Extension	Detect malicious or risky extension	Identify extensions with known CVEs, risky permissions, or data exfiltration capabilities.	AEM	2025
Privileged Accounts	Visibility to privileged accounts distribution and usage	Reduction of privilege abuse	AEM	New Feature
	Detect over-privileged users	Discover attack surface and create plans to contain the risk exposure		
Network Services Discovery	Continuous monitoring of exposed services	Identify services running on assets	AEM	New Feature
		Flag vulnerable/risky services for validation		
Forensic Recovery	Preserve digital evidence	Ransomware groups typically delete data post encryption making forensic difficult to trace attack origin.	Anti-Ransomware	New Feature
		Phase 1 release of this module protects against tampering of event logs with more enhancements done over the subsequent releases		
Data Recovery	Restore Critical Data	Capture encryption keys and build decryptors to decrypt data impacted during ransomware attack	Anti-Ransomware	New Feature
Data Exfiltration Protection	Monitor attempts for exfiltrating data via tools used by adversaries	Montor tools used by adversaries for exfiltrating data and alert on detection	Anti-Ransomware	New Feature

Key Benefits of AEM Powered by AMTD

Greater Assurance
Protect systems even when other safeguards fail.

Improved Total Cost of Ownership (TCO)
Significantly reduce the time and costs for tech resources.

Enhanced Visibility
Shed light on critical issues that may have gone undetected.

Defense-in-Depth
With AMTD, get a multilayered defensive approach that enhances resilience.

Improved Cybersecurity Posture
Boost audit scores, support compliance and reduce cyber insurance premiums.

Operational Readiness
Eliminate attack dwell time and recovery efforts through proactive prevention, system hardening and virtual patching.

Morphisec offers the only solution that combines future-ready AEM and AMTD to deliver a prevention-first strategy against ransomware that's backed by a **100% Ransomware-Free Guarantee.**

Adaptability is key to resilience – **schedule a demo** to see how AEM and AMTD can help your business stay one step ahead of diverse and unpredictable cyber threats.

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/demo