

# MORPHISEC Server Threat Prevention

Servers are a prime target for hackers. For good reason: your organization's servers contain the highest-value information assets in the entire enterprise. The Morphisec Server Threat Prevention platform, built on moving target defense, proactively prevents the most damaging cyberattacks on your physical and virtual servers without relying on signatures, attack patterns, or machine learning algorithms.



## Protect Your Servers No Matter Where They Operate

Attackers can use readily available malware toolkits and other means to gain access to your servers and move undetected through your network. Virtual application servers are especially at risk because they lack the security capabilities of physical servers

Morphisec Server Threat Prevention employs patented moving target defense technology to deterministically block attacks against both physical and virtual servers, regardless of whether they are on-premises or in the cloud. Antivirus and EDR are too heavyweight and easily bypassed.

## Morphisec Protects Servers Across All Attack Vectors

### Admin Access



Morphisec prevents browser, document, and supply chain attacks that target servers during admin logon sessions.

### Lateral Movement



Morphisec stops attackers moving laterally from a workstation to a server or from server to server

### Virtual Applications



Morphisec's lightweight agent means virtual apps can be secure without memory constraints

## Moving Target Defense for Maximum Protection

Morphisec Server Threat Prevention is the only solution based on Moving Target Defense, which prevents the execution of evasive unknown threats that other technologies miss.

Moving Target Defense technology morphs the runtime environment, allowing authorized code to run safely while malicious code is deterministically blocked and trapped. By preventing attacks before a breach ever occurs, Morphisec changes the security economics, cutting costs while minimizing disruption and damage to business.

Morphisec Server Threat Prevention protects your servers from all exploit-based, memory injection attacks in your endpoint applications such as browsers and productivity tools. It prevents evasive attacks, zero-days and attacks targeting known but unpatched vulnerabilities within whitelisted applications. It does so in a deterministic manner, without generating alerts to be analyzed, via a lightweight, easy to install 2MB agent requiring no administration.

## KEY BENEFITS

### STOP ADVANCED THREATS AND ZERO DAYS

Prevents zero-days and advanced attacks, without requiring any prior knowledge of the threat form, type or behavior.

### VIRTUALLY PATCH VULNERABILITIES

Keeps your servers protected from vulnerability exploits when patches are not yet available or deployed.

### PREVENT LATERAL MOVEMENT

Stop attackers from engaging in lateral movement to increase their attack surface.

### SET AND FORGET

Rapid, easy rollout with no system conflicts and zero maintenance – no databases, signatures or rules to configure and update, no logs and alerts to analyze.

### NO SYSTEM IMPACT

Lightweight, stateless agent with minimal footprint, no run-time components and zero performance impact.

### CUT SECURITY OPERATIONAL COSTS

Does not generate false alerts, no need to investigate, analyze or remediate. Blocks attacks pre-breach, before they can do any damage.

## Secure Virtual Application Servers

Despite the accelerated adoption of virtualized platforms and cloud-based solutions, security for these environments remains inadequate. Most endpoint security solutions require updates and consume CPU resources that make them unsuitable for virtualized environments, while virtual application vendor security solutions don't provide enough protection. At the same time, virtual environments face substantially more risk as more people in various roles have access to the server, thereby increasing the threat exposure.

## Simple to Rollout and Operate

Morphisec's Server Threat Prevention is rapidly deployed, with rollout measured in hours and days. The



solution requires near zero maintenance and needs no configuration or tuning, ensuring very low ongoing costs. There is no monitoring or collection of personal data, a big plus for privacy aware companies.

As Morphisec does not generate false positives, there is no associated alert fatigue or wasting resources on attacks that never occurred. Morphisec is extremely lightweight and does not require updates, making it optimal for virtualized environments.

## About Morphisec

Morphisec delivers an entirely new level of innovation with its Moving Target Defense-powered Unified Threat Prevention Platform – placing defenders in a prevent-first posture against the most advanced threats to the enterprise, including APTs, zero-days, ransomware, evasive fileless attacks and web-borne exploits. Morphisec provides

a crucial, small-footprint memory-defense layer that easily deploys into a company's existing security infrastructure to form a simple, highly effective, cost-efficient prevention stack that is truly disruptive to today's existing cybersecurity model.

**Schedule a demo:** [demo@morphisec.com](mailto:demo@morphisec.com)



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