MORPHISEC
Moving Target Defense

ENDPOINT SECURITY AS USUAL?
THINK AGAIN.

How to build a winning endpoint prevention stack

New, smarter cyber threats emerge every day and advanced, evasive techniques are becoming standard hacker protocol. Most security solutions, whether legacy or newer systems, adapt to new threats reactively, limited by their knowledge and detection logic.

Morphisec was purpose-built to stop and neutralize advanced evasive threats at the moment of infiltration, without relying on detecting threat signatures or suspicious behaviors. Morphisec, combined with your favorite antivirus, creates the most efficient and economical threat prevention stack with the broadest coverage for your endpoints.

THE CURRENT STATE OF ENDPOINT SECURITY

Endpoints provide a vast attack surface for cybercriminals - 80% of attacks penetrate via endpoints. Legacy security products do not protect adequately against advanced, evasive attacks, APTs, ransomware and zero-days.

In response, enterprises keep adding layers of security tools, exponentially increasing administration costs and complexity. Some gamble on "new generation" products that detect and block attacks using methods like heuristics, reputation lists or machine learning. Others advocate adding EDR solutions to compensate for shortcomings of prevention solutions.

However, all of these new approaches are based on the same old defense paradigm, namely they can only fight what they know. They are reactive and predictable, letting attackers continue to set the ground rules.

RETHINKING THE SECURITY STACK

The current state of endpoint security is unsustainable. Rather than asking whether to use EDR or some rip-and-replace "NewGen" promise, the right questions corporations should ask are:

A new security stack? Is there a new equation that optimizes the efficacy of my stack, the risk I am willing to live with and the cost I am willing to pay?

A new cost model? Is there a new cost model whereby I can have a simpler security stack with reduced OPEX?

A more resilient stack? Can there be a more future proof and attack independent stack so I don't need to look for new products every six months?

Security teams don't need a new generation of an old strategy. They need to build a new defense-in-depth endpoint prevention stack that is:

- **POWERFUL, SIMPLE, RESILIENT**
- **EFFECTIVE, EFFICIENT, AFFORDABLE**

![Morphisec Moving Target Defense logo]

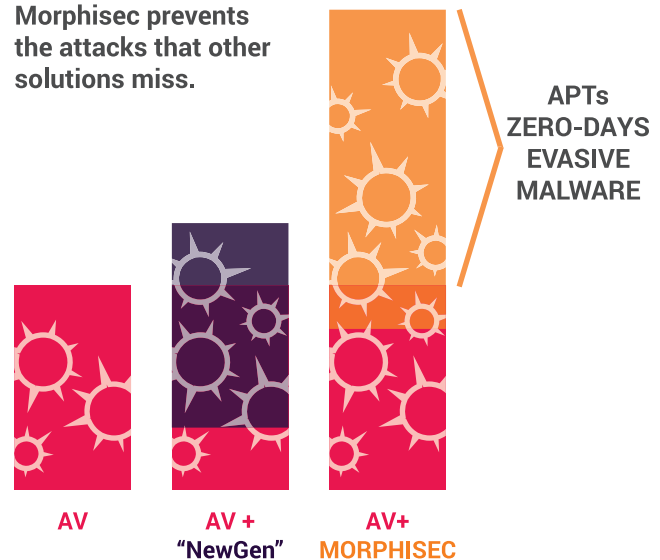# CHANGING ENDPOINT SECURITY, FOR GOOD

Powerful, Simple, Resilient

Morphisec Endpoint Threat Prevention augments AV with proactive Moving Target Defense (MTD) technology that prevents zero-days, advanced attacks, evasive file-based and file-less malware, ransomware and web-borne exploits.

With a simple 1 Mb service that runs in user mode on any desktop, laptop or server, physical or virtual, Morphisec pre-emptively changes the memory structure, continuously, dynamically and randomly. This effectively conceals vulnerabilities in, and hiding processes of, applications, web browsers and OS's. The target's memory surface is transformed into a field of unpredictable traps that snare attackers.

Morphisec focuses on attack techniques, not on payloads, making it extremely resilient against new malware variations and types. It protects against attack families on a broad, wholesale basis and the evasive nature of its MTD methodology makes it highly resistant to bypass attempts.
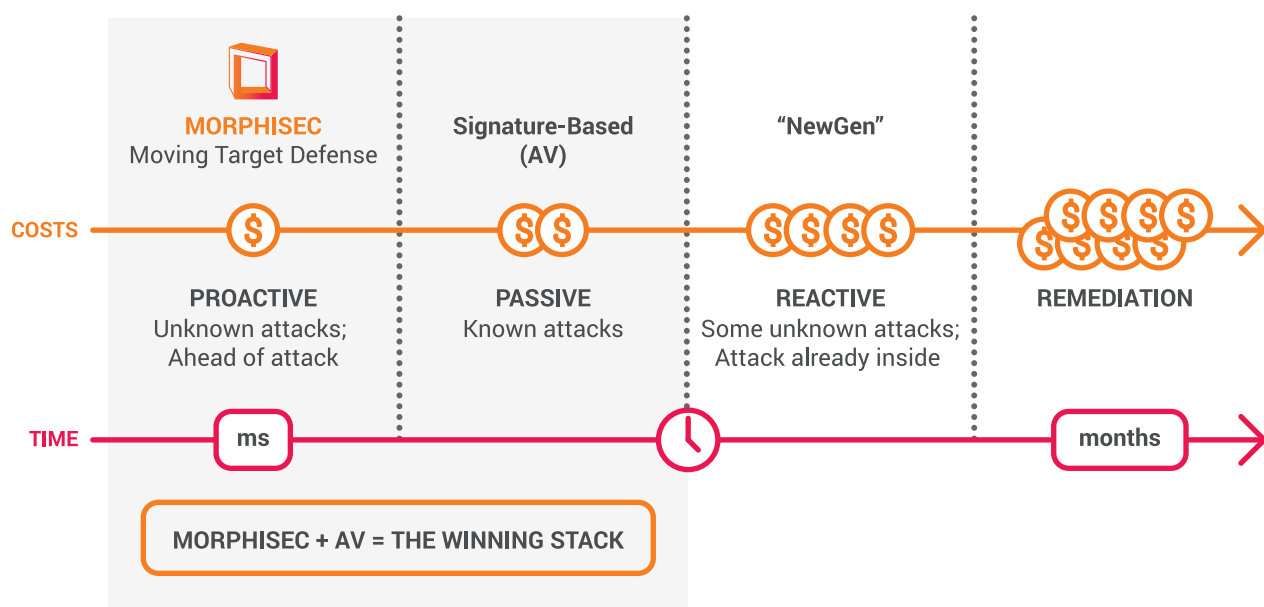
Morphisec prevents the attacks that other solutions miss.

APTs ZERO-DAYS EVASIVE MALWARE

AV　　**AV + "NewGen"**　　**AV+ MORPHISEC**

Effective, Efficient, Affordable

Morphisec protects against advanced attacks and threats that are unrecognized by signature-based and "New Gen" tools. Together with AV, it creates a lean, cost effective endpoint prevention strategy. By preventing attacks proactively, before malware has the ability to install or begin execution, Morphisec turns the economic tables on attackers. It minimizes corporate cost, disruption and damage, while making attacks more costly for cybercriminals.

Morphisec has a low operating expense, requiring no configuration, no updating of rules or databases and generating no false positives. In fact, it trims overall security OPEX by allowing elimination of marginally performing agents, more elastic patching cycles, and reduced monitoring and remediation efforts.

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Signature-Based (AV)

"NewGen"

COSTS

PROACTIVE
Unknown attacks;
Ahead of attack

PASSIVE
Known attacks

REACTIVE
Some unknown attacks;
Attack already inside

REMEDIATION

TIME　　ms　　　　months

MORPHISEC + AV = THE WINNING STACK

To learn more about Morphisec visit our website or call us at 1-617-209-2552!