



5 CRITICAL STEPS TO COMPLETE ENDPOINT SECURITY

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What is Endpoint Security?

TRADITIONAL ENDPOINT SECURITY

The process of securing mobile devices, laptops, desktops, servers, IoT, and POS and ensuring that they comply with certain criteria before being granted access to network resources

- The goal of endpoint security is to **limit the attack surface** by blocking unauthorized entry and safeguarding the network from malicious threats
- A compromised endpoint can give attackers a **foothold within an environment**, enabling them to launch further attacks on systems to access data and compromise more endpoints via lateral movement
- The traditional model has **multiple challenges** associated with achieving complete endpoint security



70%
**of Successful Breaches
Started at the Endpoint in 2019**



Challenges with Traditional Endpoint Security

These factors leave organizations at risk of being 'left behind' when it comes to endpoint security:

- Continually evolving and more **advanced cyber threats**
- Increasingly complex and **diverse endpoint** environments
- Corporate **misalignment of security technologies** to threats
- Resource challenged **IT and InfoSec** teams that continue to be stretched thin



350,000

pieces of new
malware are
detected every day

Consider This...

The year 2020 has been an unprecedented time, with the pandemic and "new normal" for remote workers, creating a *perfect storm for privilege abuse* and changing the cybersecurity landscape forever

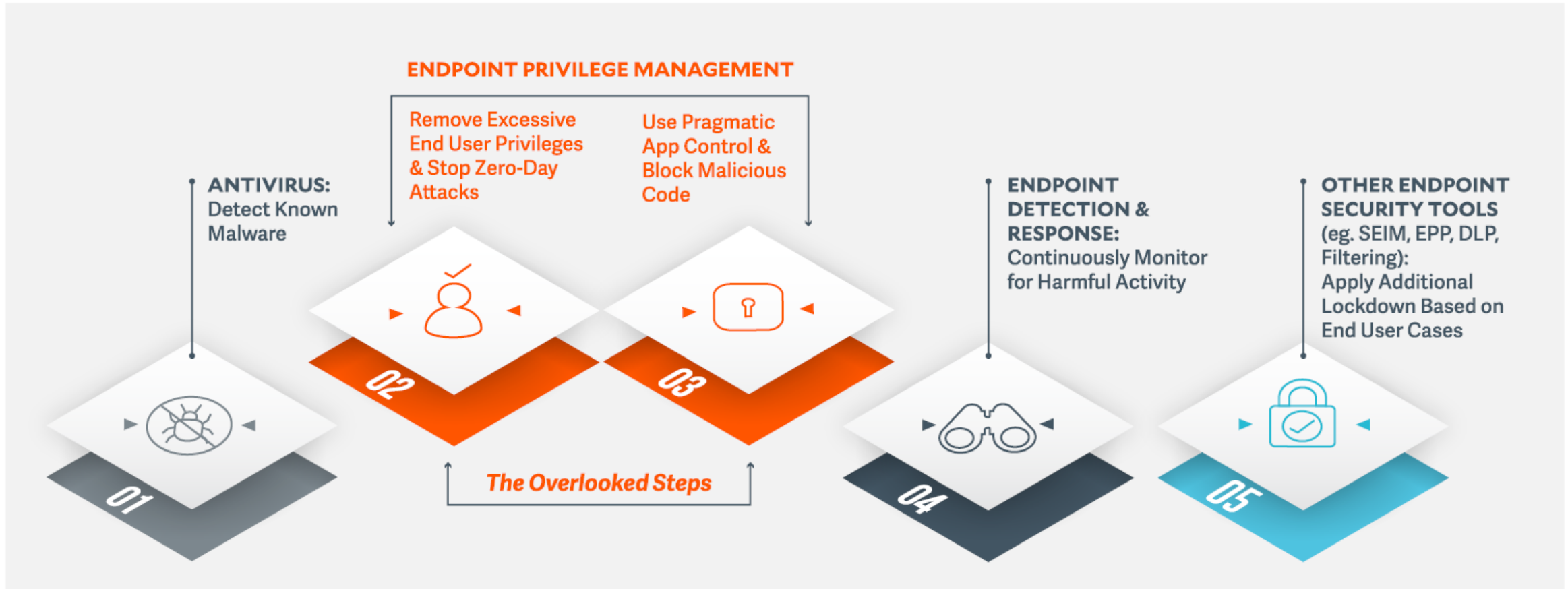
How can organizations shift to a
more

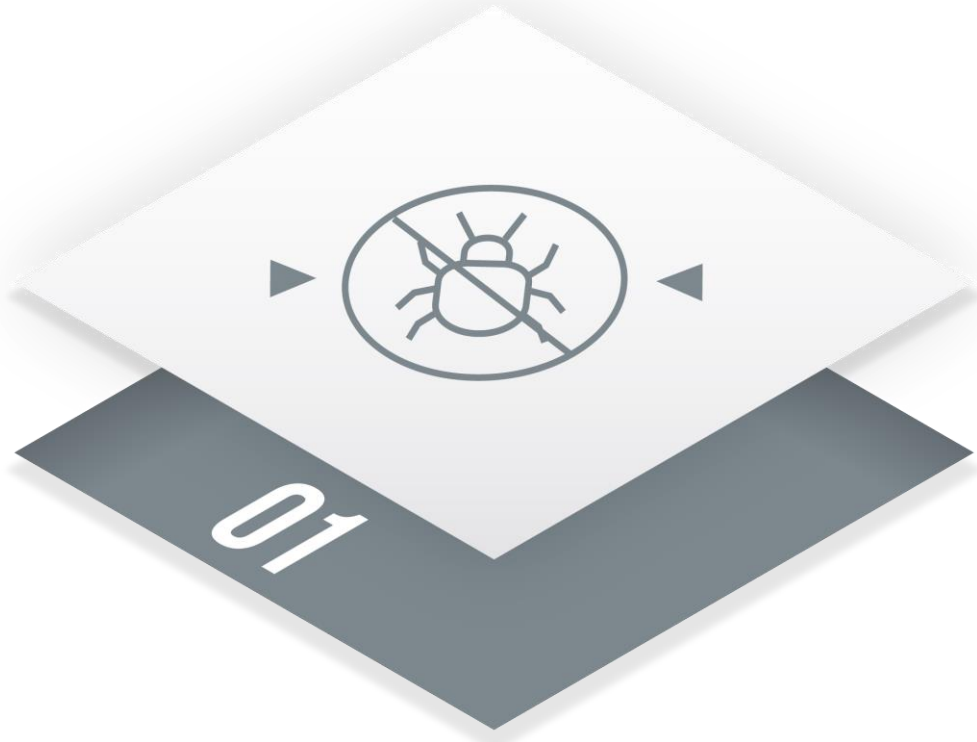
preventative

approach to endpoint security?

5 Critical Steps of Complete Endpoint Security

a preventive approach to endpoint security





ANTIVIRUS

Detect Known Malware

1. Antivirus: Detect Known Malware

- Many **companies still use antivirus alone** to secure their endpoints, but only catch 40% of known attacks
- For the threats that do bypass AV, some companies will **utilize Endpoint Detection and Response (EDR)** solutions to detect and then react to threats
- However, starting with combination of **Least Privilege** and **Application Control**, most malware and ransomware attacks will be blocked





ENDPOINT PRIVILEGE MANAGEMENT

Remove Excessive End User
Privileges & Stop Zero Day Attacks



Overlooked Step!

2. Remove Admin Rights & Stop Zero Day Attacks

REDUCE THE NOISE EDR AND SHRINK THE ATTACK SURFACE

- With 40% of known threats covered by AV, it's time **remove admin rights** from end users and give them *just enough* privileges to do their jobs
- Perimeter security is stronger than ever, making **end user devices heavily targeted** by threat actors
- Modern EDR will be optimized and **noise reduced** when layered on a **solid foundation of zero-admin rights**



30,000%

increase in
malware directly
attributed to
COVID-19



ENDPOINT PRIVILEGE MANAGEMENT

Use Pragmatic Application Control &
Block Malicious Code



Overlooked Step!

3. Use Pragmatic Application Control & Block Malicious Code

- Not all malware needs admin rights
- Control what applications a user can run regardless of privileges by **defining good and bad applications**
- App Control improves security, compliance, and licensing management
- With admin rights removed, you can now trust critical operating system functionality making it easier to implement modern Application Control

By layering Modern Application Control on top of Privilege Management, critical functionality in the operating system can now be trusted making Application Control easier and greatly reducing the attack surface



ENDPOINT DETECTION & RESPONSE

Continuously Monitor for
Harmful Activity



4. Endpoint Detection & Response

You have now successfully removed excessive admin rights and implemented and application control.

Now it's time to consider... EDR

- Designed to help organizations **identify and react to threats** that have bypassed their other defenses.
- Runs locally on user workstations or servers to monitor processes, applications, logged in users and **determines if malicious activity is present** on the system.
- Using EDR with EPM as the foundation prevents the execution of applications that need elevated privileges, allowing EDR tools to focus on a smaller amount of endpoint data

*EDR alone
does not
give your
organization
complete
monitoring
capabilities.*





OTHER ENDPOINT SECURITY TOOLS

Apply End User Lockdown Based on End User Cases



5. Other Endpoint Security Tools

- Endpoint security solutions are not one-size-fits-all
- Depending on your industry, compliance mandates, and systems – there are dozens of other endpoint security tools that should be considered
- It's imperative that organizations review specific use cases based on specific needs

Endpoint Privilege Management makes all other Endpoint Security tools more effective by reducing the noise and minimizing the attack surface

KEY TAKEAWAY

Removing privileges and implementing application control with Endpoint Privilege Management makes all other Endpoint Security tools

more effective

by reducing the noise and minimizing the attack surface

