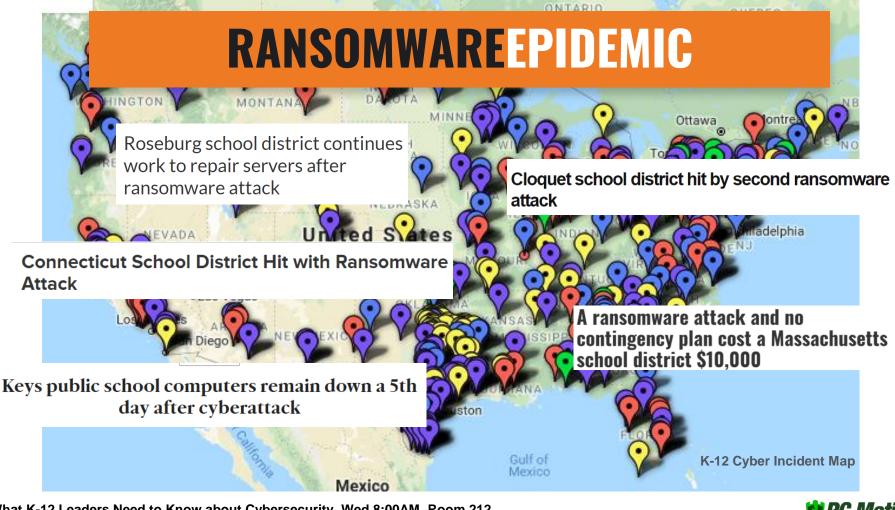


4 KEYS to STOPPING RANSOMWARE









Targeted Attacks

Disruption

SamSam Indictments:

"The defendants did not just indiscriminately 'cross their fingers' and hope their ransomware randomly compromised just any computer system. Rather, they deliberately engaged in an extreme form of 21st-century digital blackmail, attacking and extorting vulnerable victims like hospitals and schools, victims they knew would be willing and able to pay.





Lack of Awareness/Employee Carelessness 64% of working adults don't know what Ransomware is. (Wombat Security Research) Phishing becoming more sophisticated. Equifax, Facebook and other stolen data.



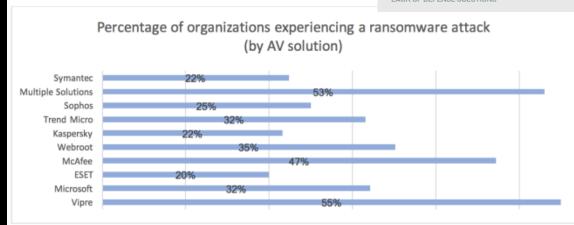
HOWISTHISHAPPENING?

The failure of traditional Anti-Virus software/endpoint security.



Of the ransomware incidents you've encountered, had they implemented any of the following? (Check all that apply)

As no single solution is guaranteed to prevent ransomware attacks, a multilayered portfolio is highly recommended.





AMASSIVESECURITYHOLE

Most traditional Anti-virus software is based on outdated "black list" approach to prevention.

- 99% of malware hashes are seen for only 58 seconds or less.
- Most malware is only seen once.





BLACKLISTFLAWS





Created in the 80s to stop viruses from spreading, the black list has proven wholly ineffective against polymorphic viruses and ransomware.



Reactive

By design, an infection must occur before a virus can be added to the list. The black list is reactive, and guarantees the world will always have viruses.



Slow

Antivirus makers have added "features" such as heuristics and vulnerability patches, which reduce the attack surface at the expense of system performance.



The explosion of threats has made the black list expensive to maintain forcing black list antivirus makers offshore to improve profits.



Ineffective

As the ransomware menace gains traction, we are at a crossroads on how much longer we can stand the black list antivirus's inferior security.

WINDOW | FINFECTION

Most traditional Anti-virus software is based on outdated "black list" approach to prevention.

- 99% of malware hashes are seen for only 58 seconds or less.
- Most malware is only seen once.





WHATISNEXT

- Increasing number that pay ransom Do not get their data back. (1 in 5 never get data back)
- . Reinfection rates beginning to skyrocket.
- Back Ups are becoming infected with greater frequency.
- . Ransom sweet-spot has been found.





4KEYS

EndUser Training

Back Ups

Patching

Endpoint Protection

- . Testing
- . 3rd party

- Testing
- **Best Practices**

- Windows Updates
- Frequency

- Application Whitelisting
- Fileless Malware Protection
- . RDP















Fileless infections are a method of attack where a script is run through a legitimate scripting engine such as Powershell. Since no bad file is ever executed, it renders the black list approach useless.

Layered on top of PC Matic's white list, we have developed a technology to block the bad scripts without blocking any good ones.





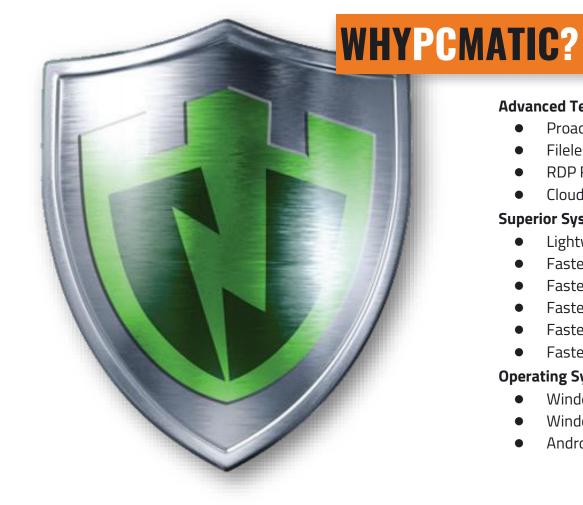
REMOTEDESKTOPPROTOCOL

RDP is a critical IT feature that allows remote access and management of servers and desktops. Sadly, this feature creates a security hole.

Hackers have automated the search for open RDP ports, brute force the password, disable antivirus, and deploy ransomware.

PC Matic counters this offensive by displaying open RDP ports, and automatically modifies Windows account lockout threshold to avoid brute force attacks.





Advanced Technologies

- Proactive Whitelist Architecture
- Fileless Infection Heuristics
- RDP Reporting and Protection
- Cloud Console

Superior System Performance

- Lightweight (20 MB memory, <1% CPU)
- Faster file download times
- Faster web browsing
- Faster application install times
- Faster application run times
- Faster file copy

Operating Systems

- Windows XP, Vista, 8, 10
- Windows Server 2008, 2012, 2016
- Android



ANTIVIRUSTESTING







Highest Detection Rates in History of Virus Bulletin RAP Test

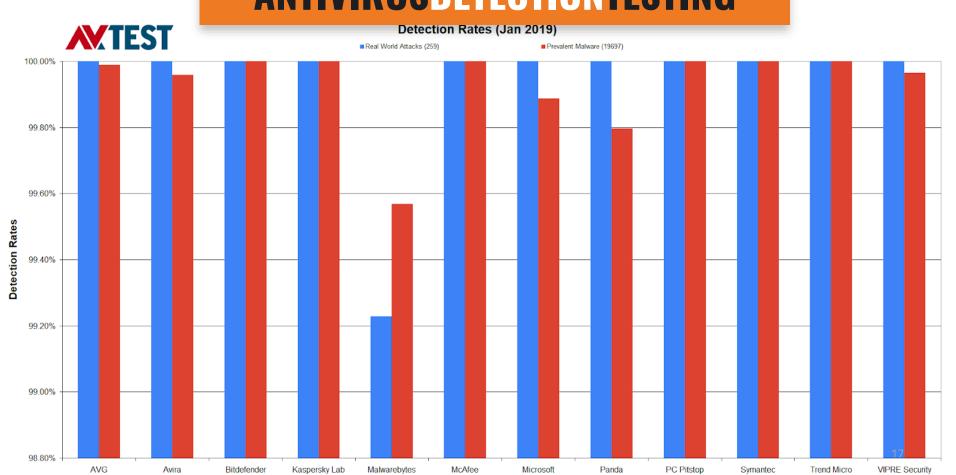
100% Detection of over 5,000 malware samples *Jan/Feb* 2018



PC Mag Malware Protection Test The only product to detect 100% August 2017

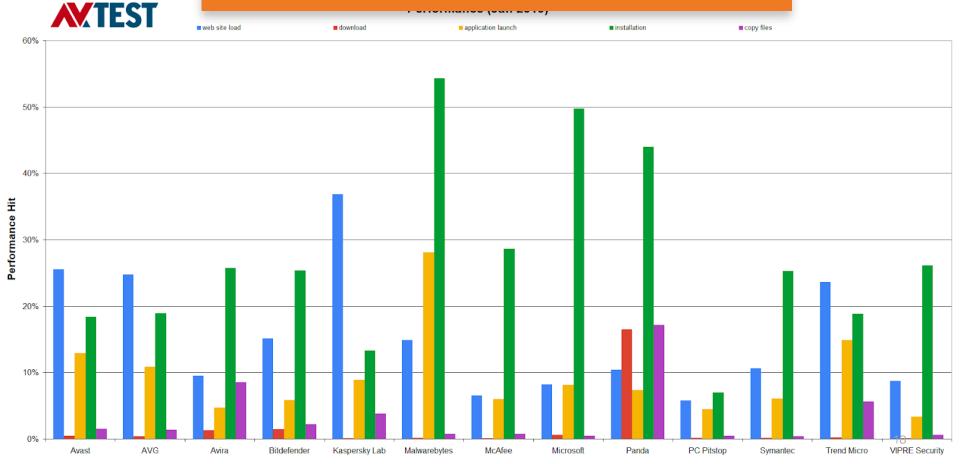
ANTIVIRUS DETECTIONTESTING





ANTIVIRUS PERFORMANCETESTING







QUESTIONS?

Email corey@pcmatic.com for a copy of this presentation.

