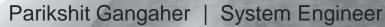
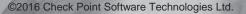


# **SECURITY CHANGING DYNAMICS**

From Known to Unknown









#### Challenges for Cyber Security

#### New thinking required in Cyber Security

#### Why Checkpoint?





If Network are evolving as Business need changes, the Cyber Security have to Evolve and stay ONE STEPAHEAD of ever changing Business Needs





#### Known Exploits/Malware

Done with Motivation for making there names and for Fame. Hence easy to detect and prevent with conventional solution such as NGFW

#### Unknown- Unknown or Zero-Day Exploit/Malware

These attacks can be States sponsored or Competitor sponsored.

Main motive is to make money and to remain hidden as long as possible

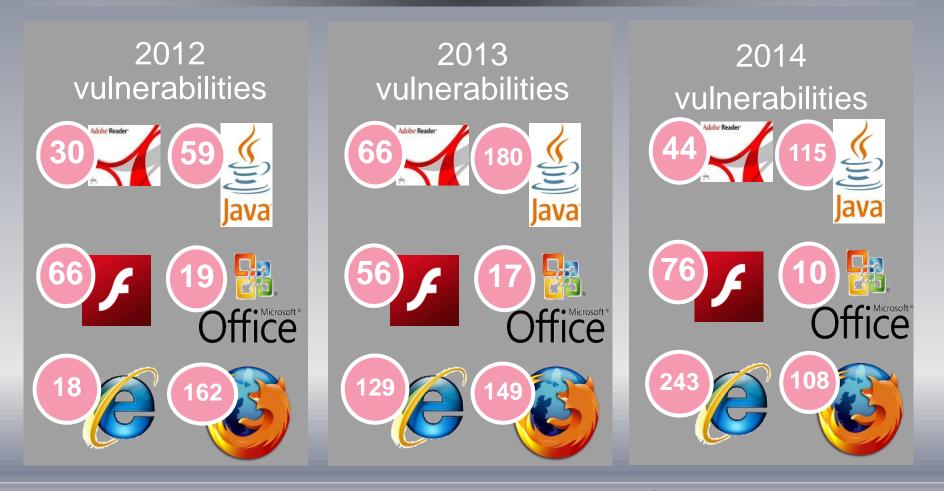


#### Known- Unknown Exploits/Malware

# Interestingly 80 to 85% attacks are known attacks modified to avoid detection by conventional Security



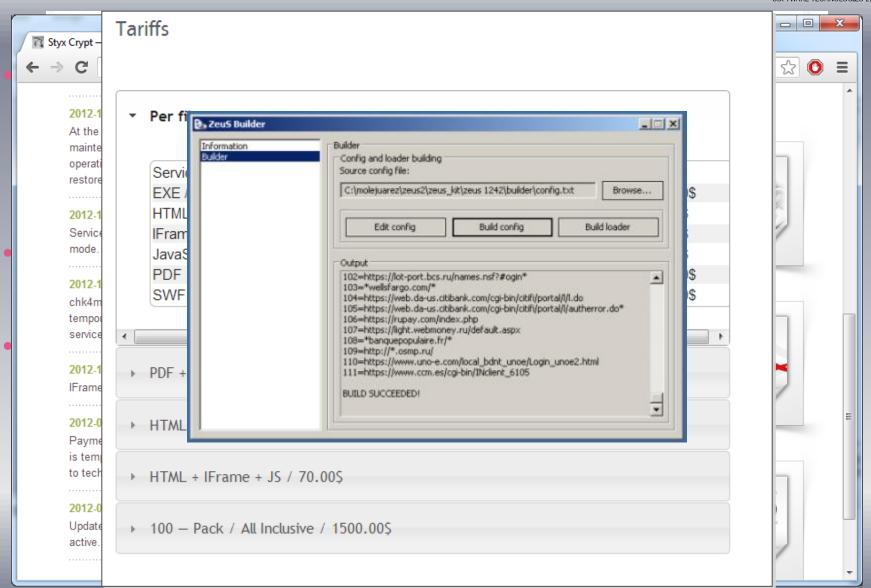
# There are known knowns



5

# Known Unknown Back Again!





# THE GROWTH OF THE UNKNOWN MALWARE

Botnets

**Exploits** 



Trojans

CVE

# THERE ARE MORE AND MORE Virus

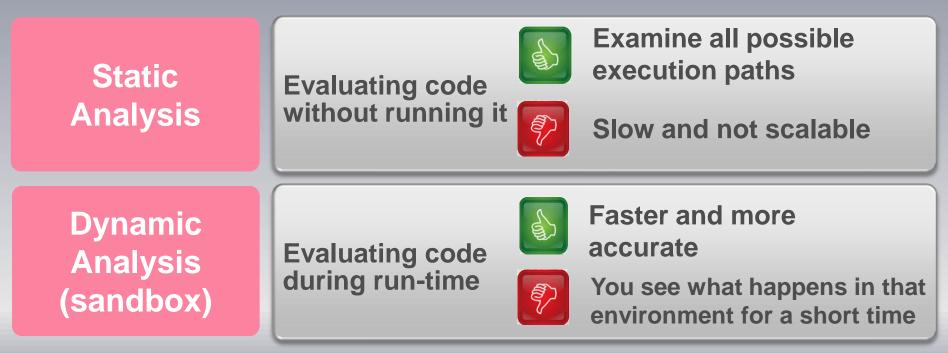
ZERO DAY, APTS, UNKNOWN MALWARE

Signatures

[Restricted] ONLY for designated groups and individuals



# New ways to deal with Know Unknowns? Without looking at specific patterns

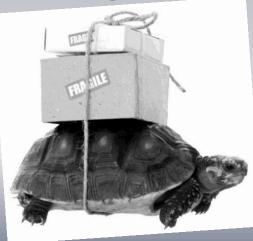


# **Traditional Sandboxes are Slow**



#### **INSPECTION TAKES TIME and LET FIRST FILE THROUGH**

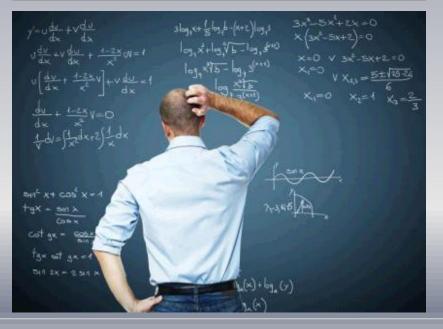
- As a result many sandboxes are deployed in non-blocking mode
- Allows malicious files to reach the user while the sandbox inspects the file in the background





# Sandbox detection/evasion Anti-VM OUT, Anti-Analysis IN

#### Problem: Malware drop anti-VM technique and **focus** on Anti-Analysis techniques



Solution: Subvert the analysis machine with a rootkit before executing the malware





**Real-time Prevention Against Unknown Malware, Zero-Day and Targeted Attacks** 

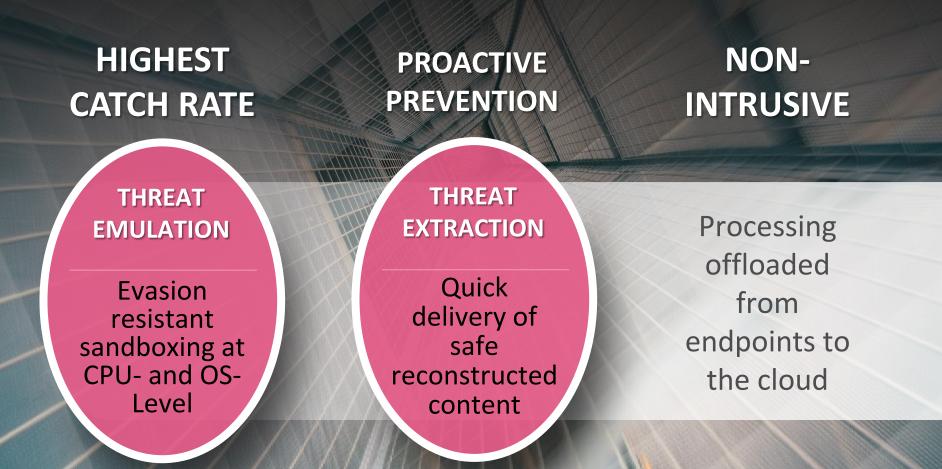


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# Introducing SandBlast Agent Zero-Day Prevention for Endpoint

Block UNKNOWN and ZERO-DAY ATTACKS on your endpoints



#### Checkpoint Mobile Threat Prevention





#### **Mobile Threat Prevention**



#### **Solving the Mobile Security Gap**

ADVANCED THREAT DETECTION AND MITIGATION

# Check Point Mobile Threat Prevention

- HIGHEST LEVEL OF SECURITY FOR IOS AND ANDROID
- BEST MOBILE THREAT CATCH RATE
- FULL VISIBILITY
- THREAT ANALYTICS
- REAL-TIME REMEDIATION OF THREATS
  - SIMPLE DEPLOYMENT
- TRANSPARENT USER EXPERIENCE

# **The Power to Prevent**

# On the Network and At the Endpoint

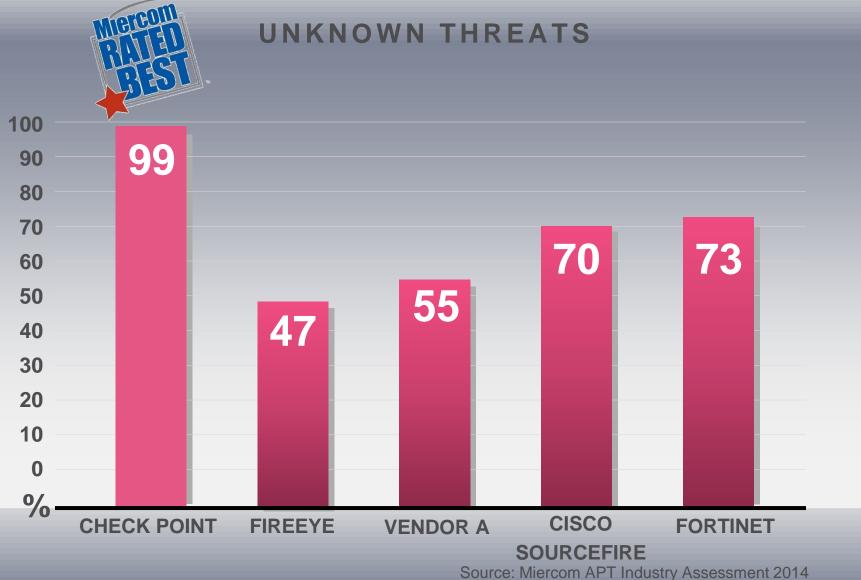


#### Catches More Malware. Proactive Prevention. Complete Integrated Protection.

# The Insight to Understand Them.

# Industry's best catch-rate



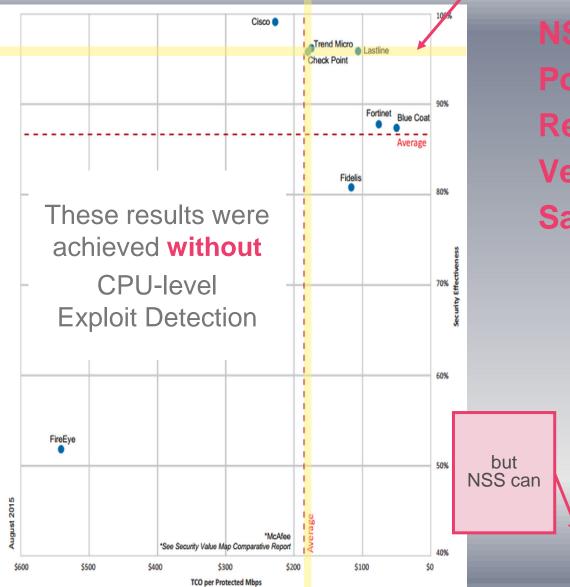


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# **NSS Breach Detectio**

We cannot put a dot here...





NSS Names Check Point a Top Scoring Recommended Vendor For Sandboxing

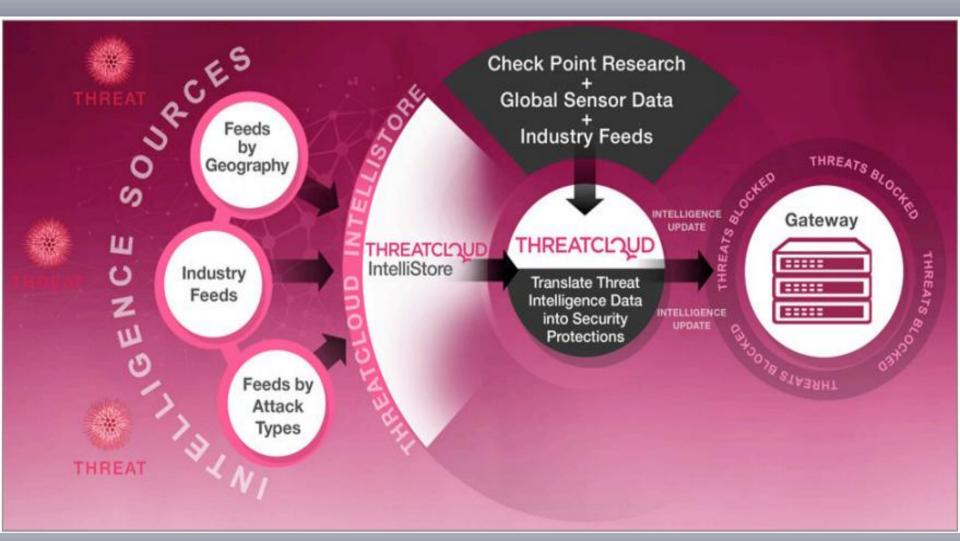
ems

UPDATED RESULTS: Industry Leading Value at \$27 / Mbps

#### See NSS webcast at:

http://public.brighttalk.com/resource/core /89391/ nss-bds-group-test-update-dec-2015\_133131.pdf

# System Layers – Private threat Cloud Check Point





#### MANAGEMENT LAYER

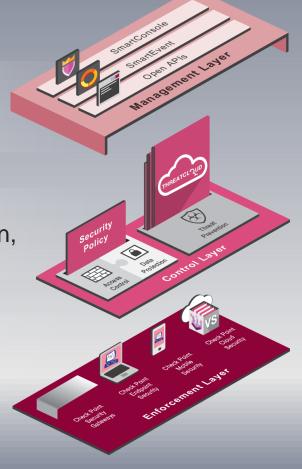
Check Point Next Generation Security Management

#### **CONTROL LAYER**

Next Generation Firewall, Threat Prevention, ThreatCloud™

#### ENFORCEMENT LAYER

Network, Host, Mobile, Cloud





## THANK YOU

