The Power of Dynamic Threat Intelligence to Stop APT's

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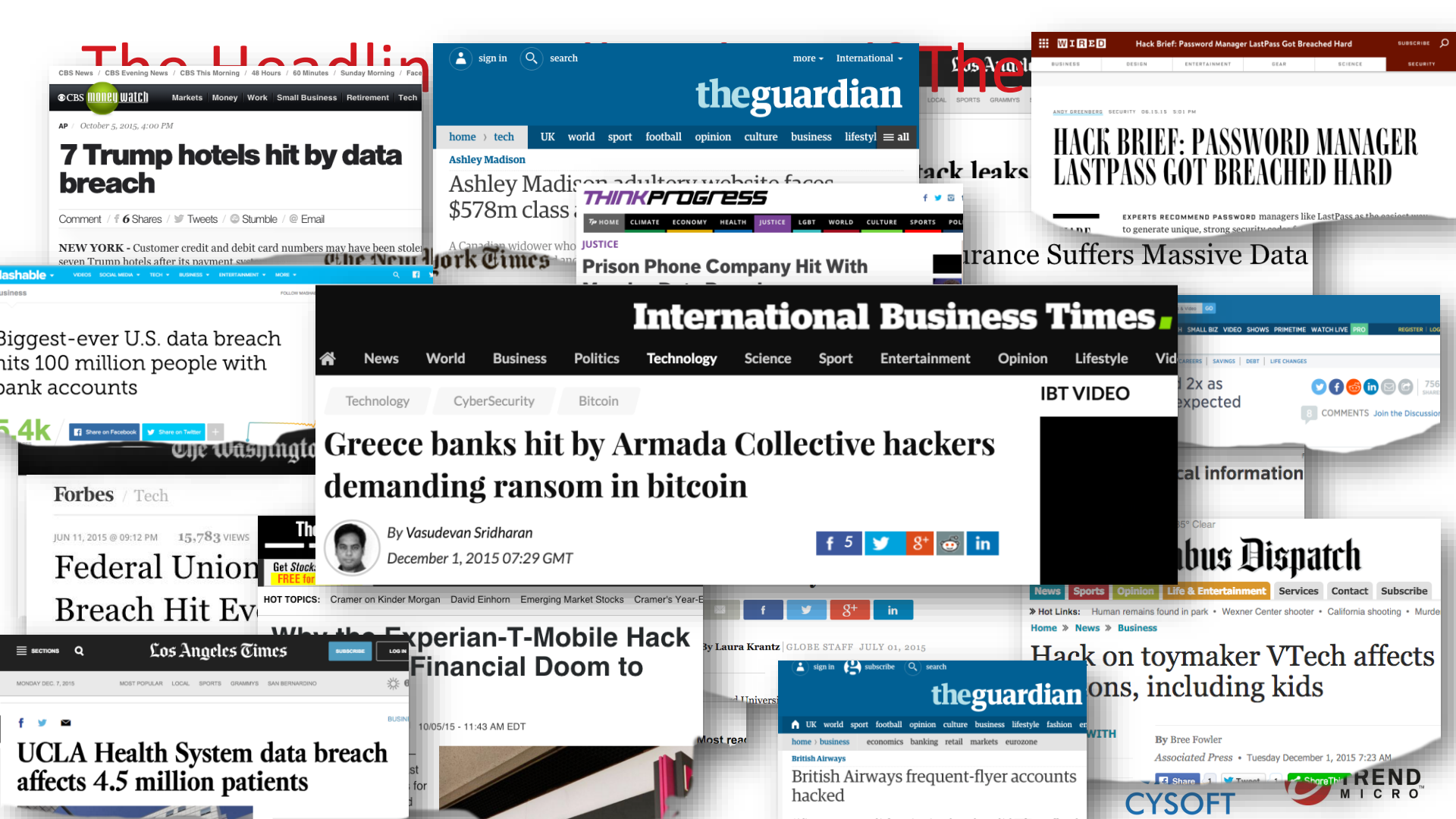
Securing Systems Effectively

TREND MICRO™

Evren BILGIC

Senior Sales Engineer, Mediterranean Region

evren_bilgic@trendmicro.com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The Other Half of the Story

79%

Have network attacks or exploits

Source: Live proof of concepts – 101 customers, 2015

Today's business reality

- **75%** of attacks require little skill to execute[1]…

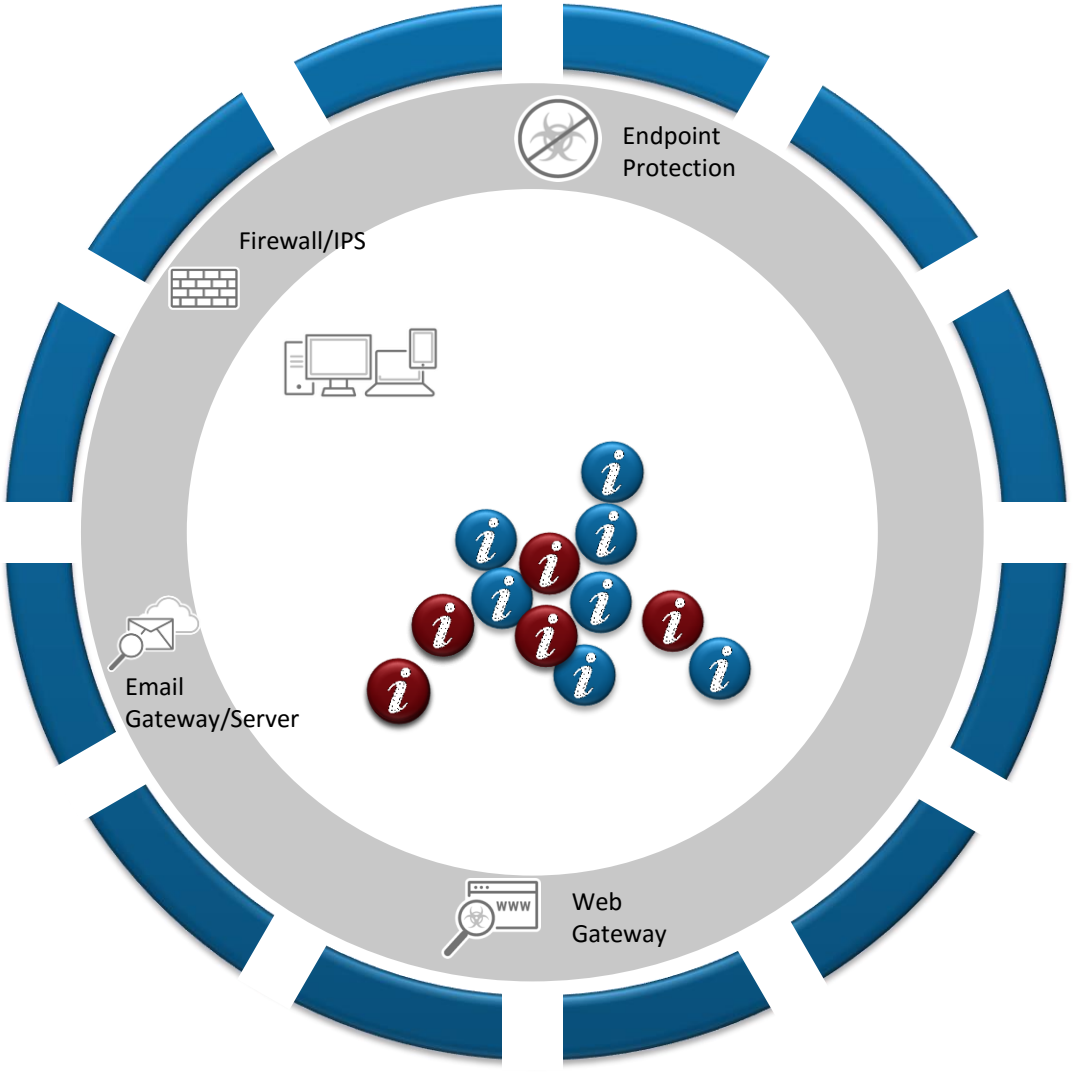
…yet require advanced skills to detect and remediate

- **63%** of security professionals believe it is only a matter of time until their enterprise is targeted[2]
- **$5.9M** is average cost of targeted attack[3]

1. Verizon
2: Source: ISACA APT Awareness Study, 2013
3. Ponemon May 2014

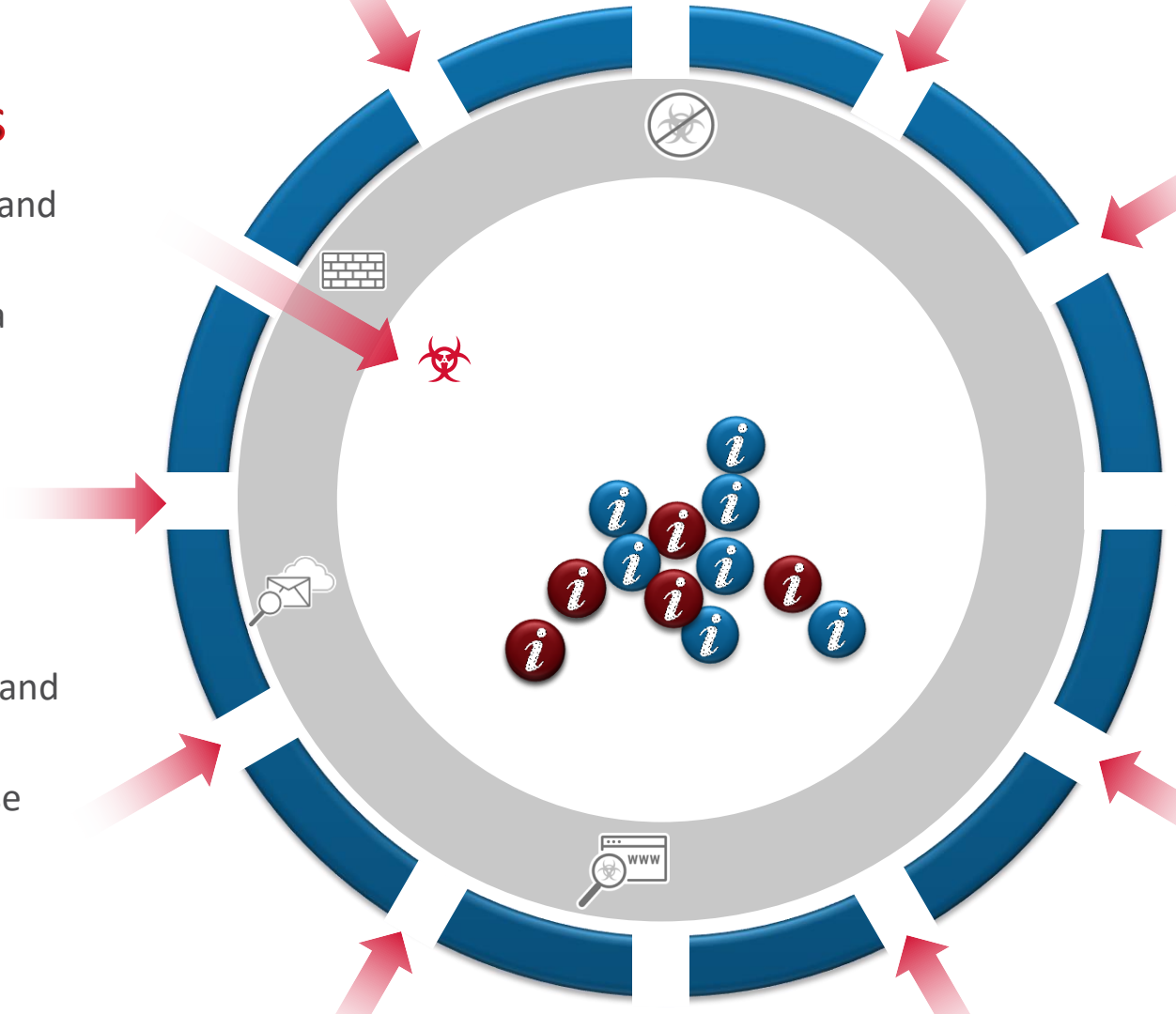
Advanced Attacks

- Problem: Data has to be moved and shared in and out.
- Traditional approaches provide a baseline



Advanced Attacks

- Problem: Data has to be moved and shared
- Traditional approaches provide a baseline
- New attacks use sophisticated methods to gain access
  - All ports, all protocols
  - Spear phishing
  - Island hopping
- Once inside, attacks can change and start stealing data.
- Tracking back and analyzing these attacks are complex and require specialized knowledge.

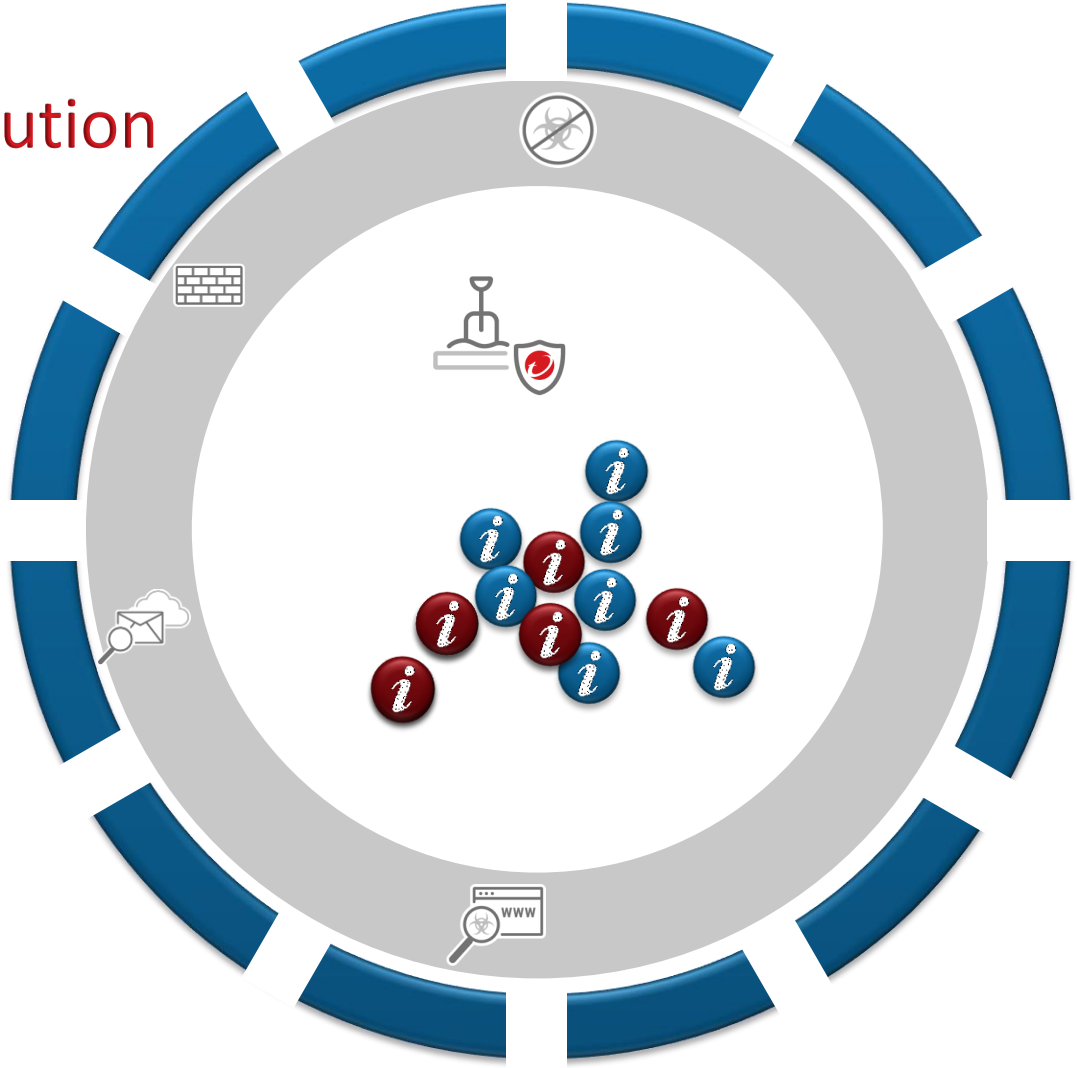


Dealing with Targeted Attacks:

- Traditional defences still work. Who can afford to replace them?
- Network sizing means organizations just need more sandboxes
- Specialized labour to analyze advanced malware is hard to find
- Time and expense reacting to advanced threats is growing

A Network Defense Solution

- Organizations need to protect and leverage existing investments in security infrastructure
- A centralized Deep Discovery solution to integrate with those existing investments extends their reach.



Deep Discovery Products

NETWORK DEFENSE

Deep Discovery Email

Deep Discovery Analyzer

Analysis of suspicious payloads and URLs with custom sandbox. Ability to share insight with both Trend Micro and third party solutions

Deep Discovery Inspector

Detect targeted attacks by monitoring *all* network traffic, plus analysis of network payloads with custom sandbox

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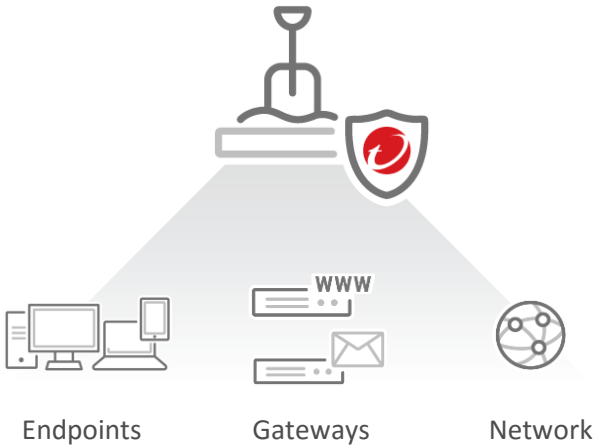
Deep Discovery Analyzer

– Integrated Sandboxing Analysis



An open sandboxing analysis server to enhance the targeted attack protection of Trend Micro and 3rd party security products

- Detection of advanced malware
- Detailed analysis & reporting
- Open Web Services API
- Custom Defense IOC intelligence sharing

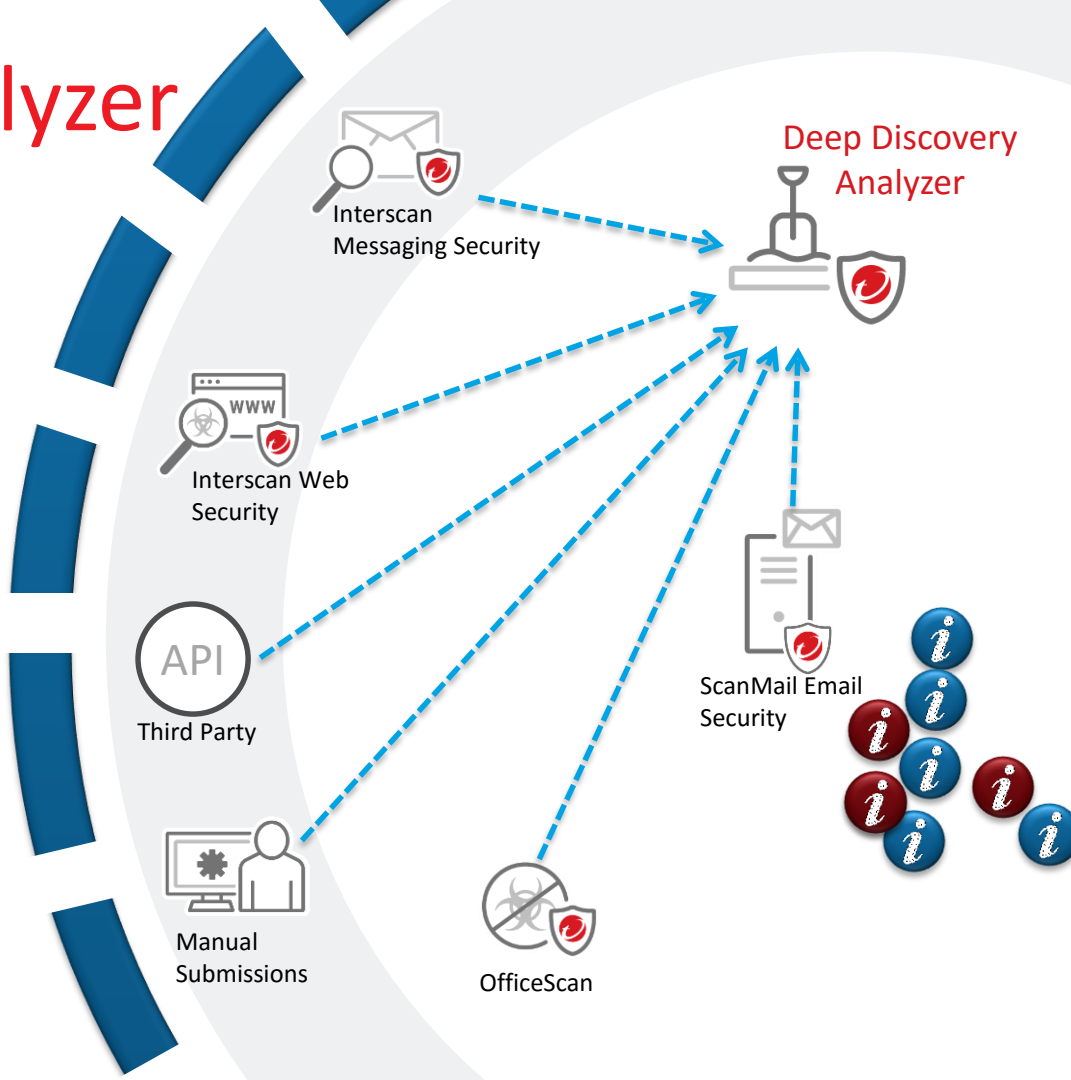
➢ ***Enhance the threat protection of your existing security investments***

Key Features

Custom Sandboxes		Custom sandbox images precisely match your desktop and server environments (language, OS, configuration) to accurately detect the threats targeting your organization vs. a standard sandbox that can be evaded.
Broad Analysis Engines		Multiple detection engines and correlation rules analyze a wide range of file types and URLs to detect all attack aspects – not just malware
Global Threat Intelligence		Real-time cloud intelligence & research powers detection accuracy and continuously updates engines and rule sets
URL and File Analysis		Integrated solution can analyze all document types, URLs and exe files.
Seamless Integration		Shared IOC data from new sandbox detections updates Trend Micro and 3rd party products to create a real-time custom defense

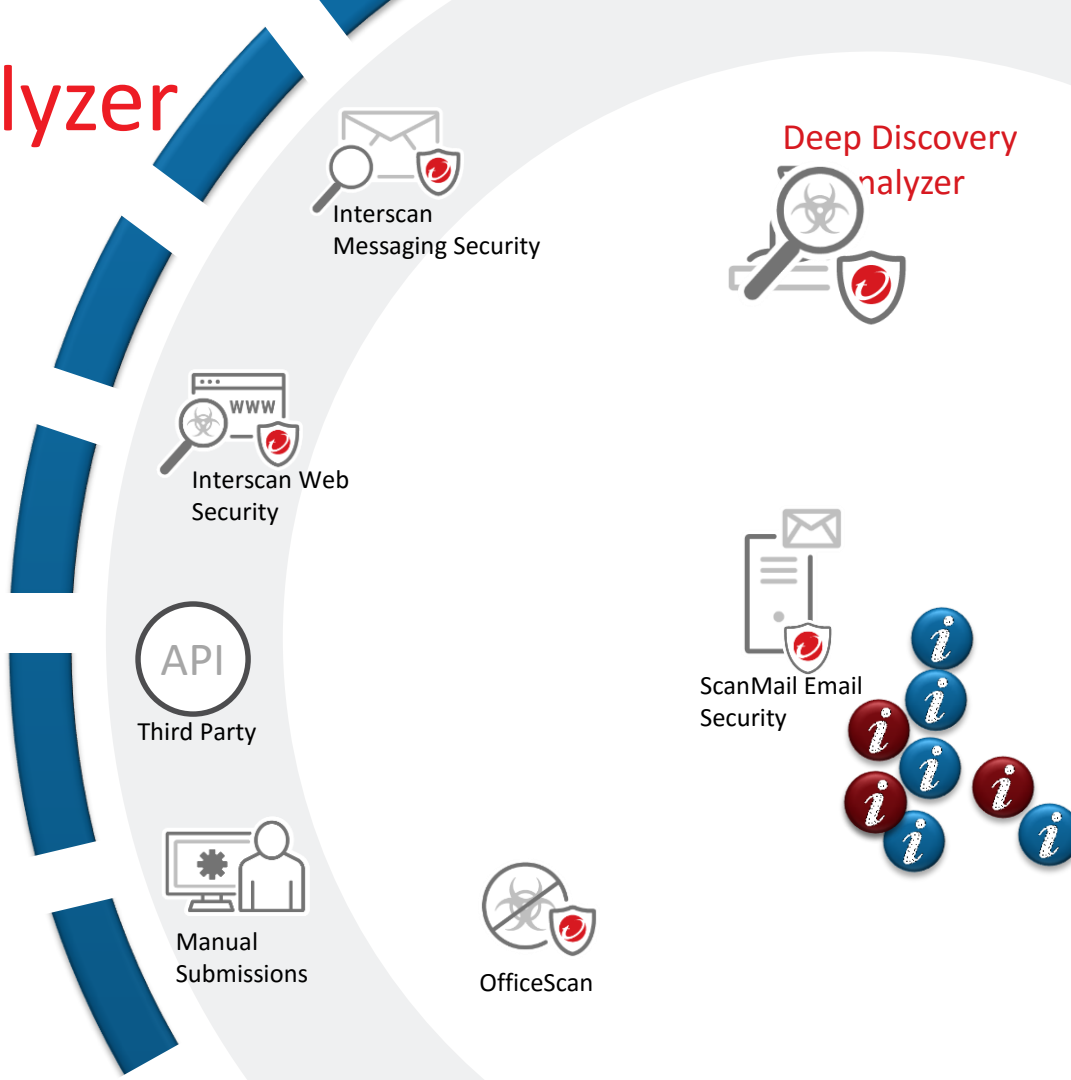
Deep Discovery Analyzer

- Suspicious objects that are discovered by InterScan and Scanmail Security products are sent to Analyzer sandbox
- OfficeScan will also be able to send suspicious objects
- Analyzer offers a Web API that allows third party products to submit to Analyzer
- System administrators also have the ability to manually submit samples



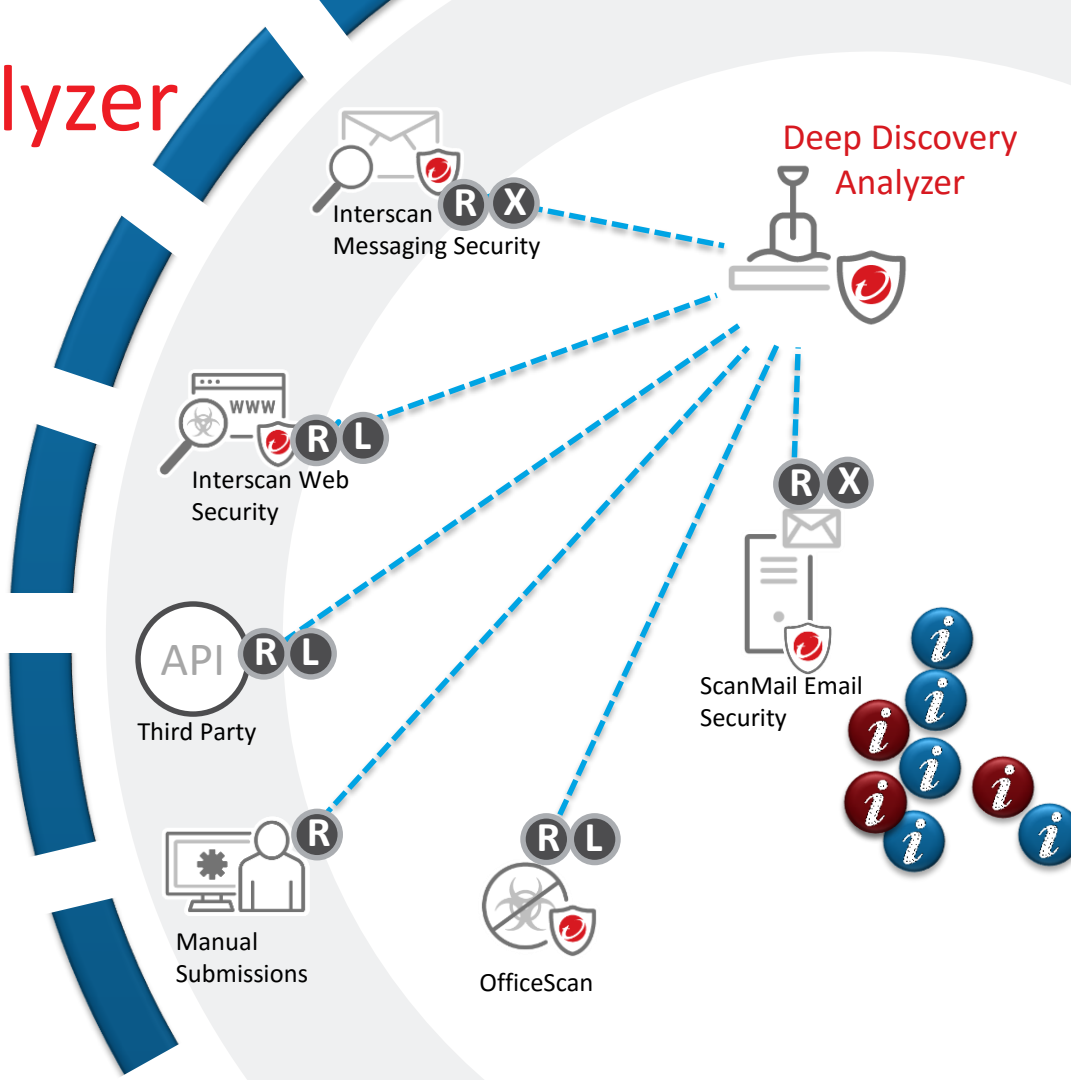
Deep Discovery Analyzer

- Suspicious URLs, Files, and exe files are executed in the Deep Discovery Analyzer and analyzed for:
  - Advanced malware
  - Command and Control (C&C)
  - Anti-security, self-preservation
  - Autostart or other system configuration
  - Deception, social engineering
  - File drop, download, sharing or replication
  - Hijack, redirection, or data theft
  - Malformed, defective or with known malware traits
  - Process, service or memory object change
  - Rootkit, cloaking
  - Suspicious network or messaging activity
  - Other threat characteristics



Deep Discovery Analyzer

- Results/Reports are sent back to requesting system.
  - Based on risk score
  - Highly configurable
- In some cases black lists are automatically updated such that similar attacks in future are thwarted.
- Emails can be blocked in real time



R Reporting

L Black List / Patterns / IOCs

X Email Blocking

Top 3 Solution Differentiators

Smart
Better detection

Simple
Low cost to deploy & manage

Security that fits
Fits evolving ecosystem & enables sharing of intelligence across solution areas

Smart

Proven detection of targeted attacks

TREND MICRO™ DEEP DISCOVERY

MOST EFFECTIVE

recommended breach detection system

2 YEARS RUNNING

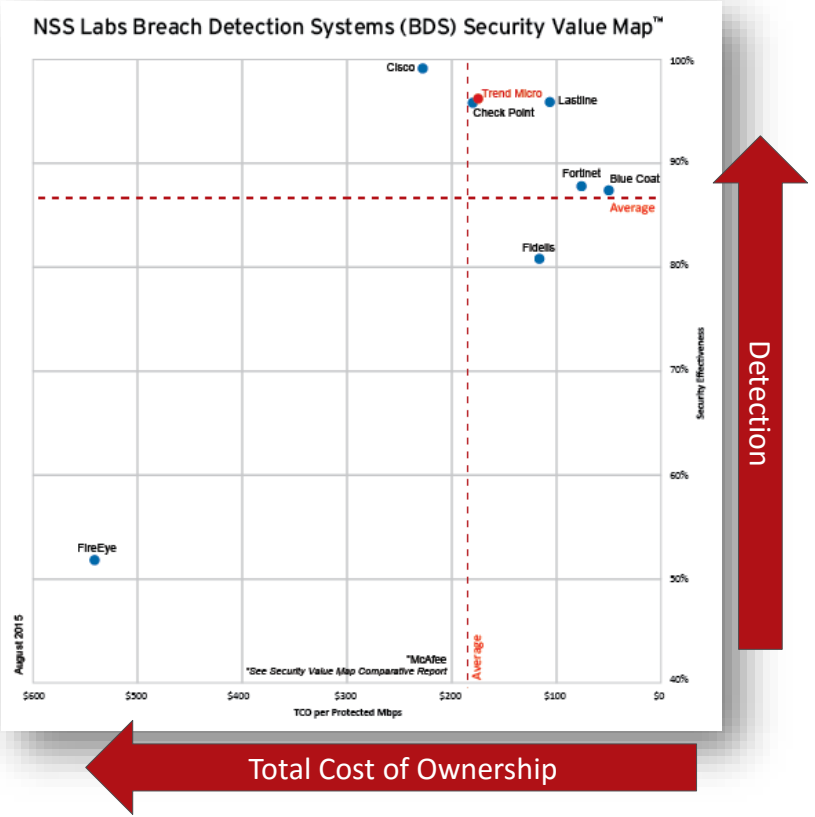
NSS LABS RECOMMENDED

ICSA labs CERTIFIED ADVANCED THREAT DEFENSE

ICSA Labs
Advanced Threat Defense

Certified

Test Period:	Q4 2015
Certified Since:	12 / 2015



Simple

Low cost to deploy & manage

- Single centralized appliance that seamlessly integrates into existing infrastructure with a common management console
- Highly visual, interactive web interface offers the most relevant threat intelligence at your fingertips
- Zero-cost access to the Trend Micro Smart Protection Network (global threat intelligence)

Security That Fits

Fits evolving ecosystem & enables sharing of threat intelligence across solution areas

- Integration with existing security investments
- Automatic threat intelligence sharing with Trend Micro products
- Sharing of threat intelligence with other security products

Targeted Attack Simulation Game

http://targetedattacks.trendmicro.com

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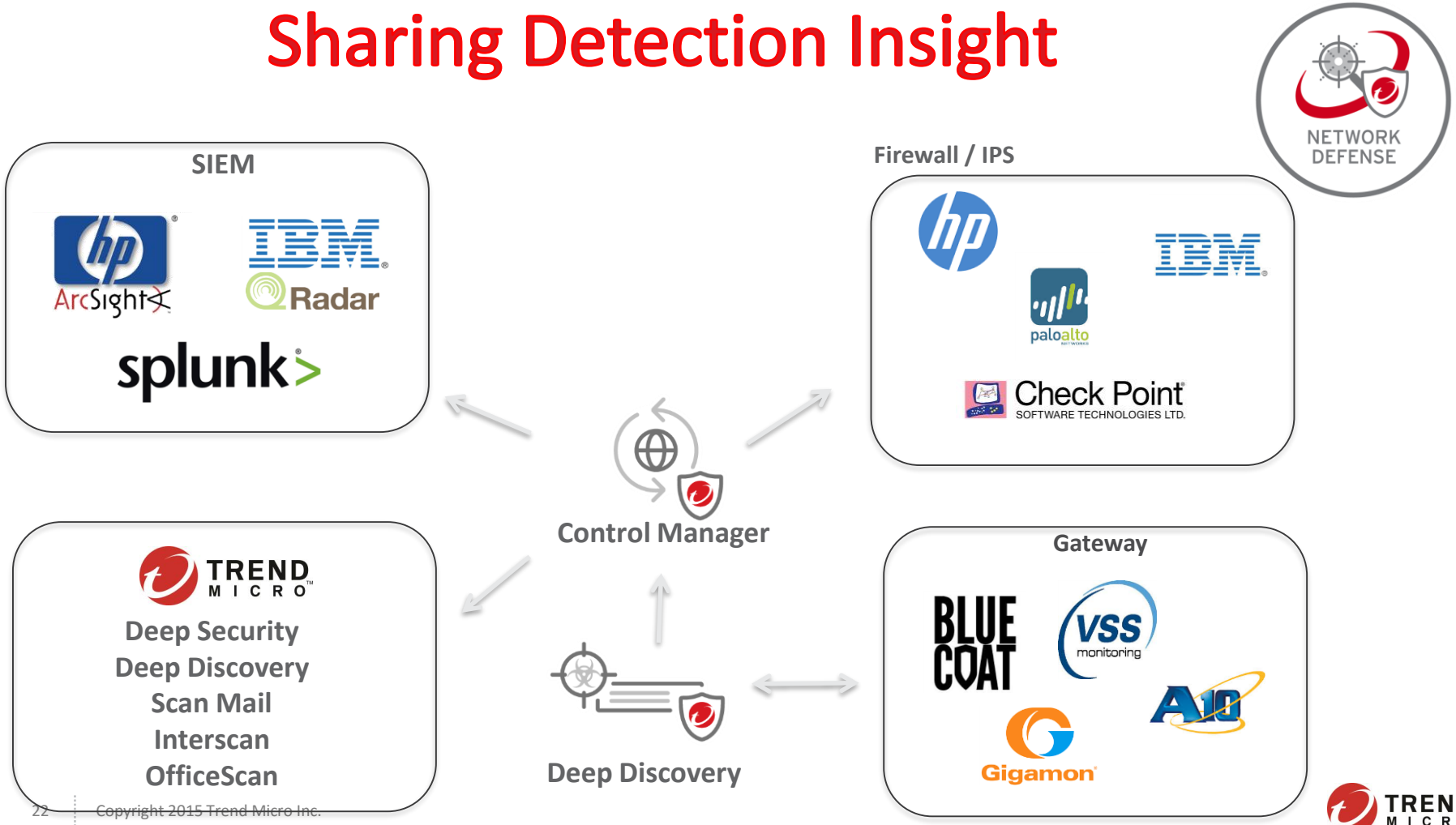
Thanks..

We are at Olympia Hall, Booth O17

Ευχαριστώ..

Back-up Slides

Sharing Detection Insight



Trend Micro: Connected Threat Defense

Enable rapid response through delivery of real-time signatures and security updates

Assess potential vulnerabilities and proactively protect endpoints, servers and applications

Analyze risk and nature of attack and attacker, and assess impact of threats retrospectively

Detect advanced malware, behavior and communications invisible to standard defenses