



- Advanced Attacks
- Data Theft & Loss
- Declining Effectiveness
- Lack of Forensics
- Complexity Increasing
- Point Solutions
- Increased Risk

WHO'S GOT THEIR HANDS ON YOUR DATA?

WANT TO SEE HOW YOUR DEFENSES ARE BYPASSED?

TRADITIONAL SECURITY NO LONGER SECURES

There's a town in Romania known as Hackerville. It's where criminals turn data into expensive sports cars. This isn't just credit card fraud, this is monetizing intellectual property swiped from companies who thought they were protected.

We know where the bad guys lurk. Not just in Hackerville, but also in your network's blind spots. Put us to the test.

NO ONE STOPS MORE THREATS. LET US PROVE IT. WEDSENSE



Global Human Intelligence



Best Corporate Security Blog









Obfuscation
Machine Learning & Automation
Malware Reverse Engineering
Big Data Clusters & Querying
Statistical Models
ThreatSeeker
Security Intelligence Cloud



Real-time Security classifier Real-time Content classifier Real-time Data classifier Mobile App classifier



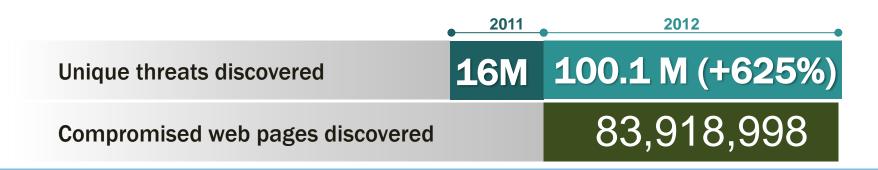


of all unwanted emails contain URLs



of malicious URLs are on compromised hosts





1.9 / second

REAL-TIME UPDATES

1.2 million

USA = 80%

UNIQUE PHISHING ATTACKS

19.4 billion

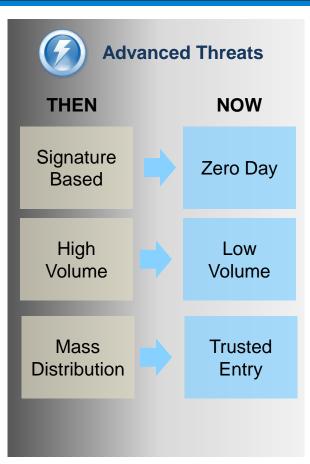
99.58% SPAM

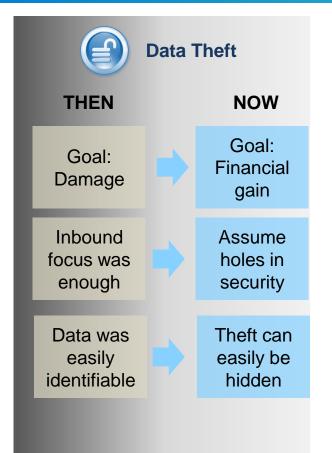
BLOCKED E-MAILS

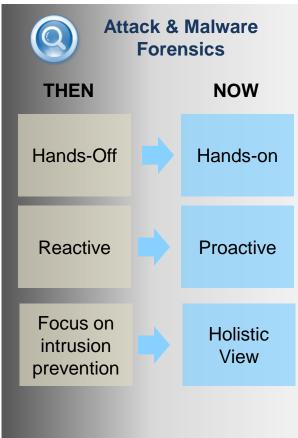
25.8 million 3.44 per seat

BLOCKED WEB THREATS EACH WEEK









Why Current Defenses Fail



Signature & Reputation-based Defenses

- Dynamic Threats
- Targeted Attacks
- Timed Arming
- Trusted Hosts
- Sniper Profile



Lack of Inline Real-time Threat Analysis

- Passive Design
- Sample Collection
- Volume Focused
- Background Vote
- Pre-test Threats



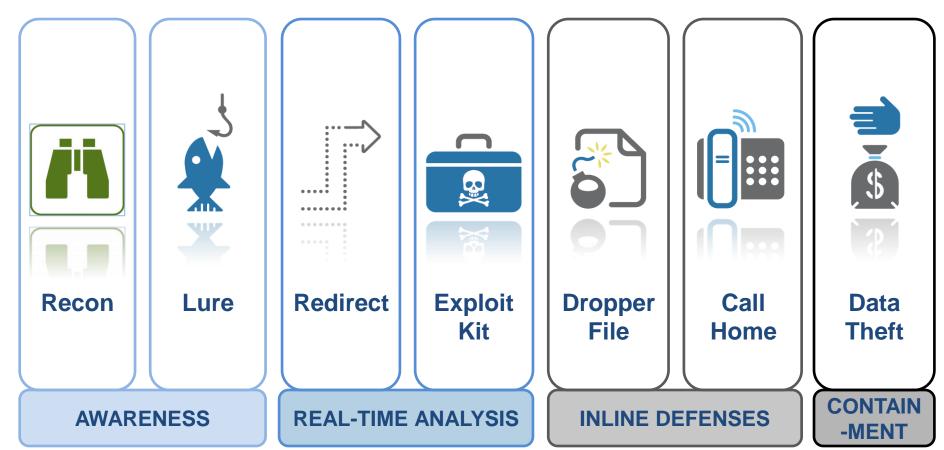
Forward Facing Defenses

- Airport Model
- Screen Inbound
- Open Outbound
- No Containment
- No Data Protection



Blind Spots Using More Of the Same

- UTMs, NGFWs
- Consolidation
- Commodity AV/URL
- Security vs Perf.
- Growing SSL



Seven Advanced Threat Stages





AWARENESS

- Web & Email
- Facebook, Blogs, Tweets
- Spear-phishing
- Trusted entry
- Targeted
- Dynamic
- Timed

Example – Spear Phishing

- Financial notification
- Appears as payroll related
- Debit to bank account
- Online transaction report

Subject:

FW: ADP Funding Notification - Debit Draft

From: ADP FSA Services@ADP.com [mailto:ADP FSA Services@ADP.com]

Sent: Friday, July 06, 2012 12:36 PM

Subject: ADP Funding Notification - Debit Draft

Your Transaction Report(s) have been uploaded to the web site:

https://www.flexdirect.adp.com/client/login.aspx

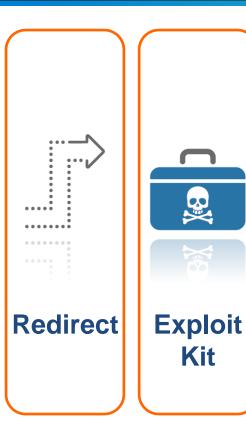
Please note that your bank account will be debited within one banking business day for the amount(s) shown on the report(s).

Please do not respond or reply to this automated e-mail. If you have any questions or comments, please Contact your ADP Benefits Specialist.

Thank You.

ADP Benefit Services

Seven Advanced Threat Stages



REAL-TIME ANALYSIS

- Browser code & active scripts
- Link analysis
- Exploit analysis
- Composite scoring/ratings
- Predictive

Seven Advanced Threat Stages

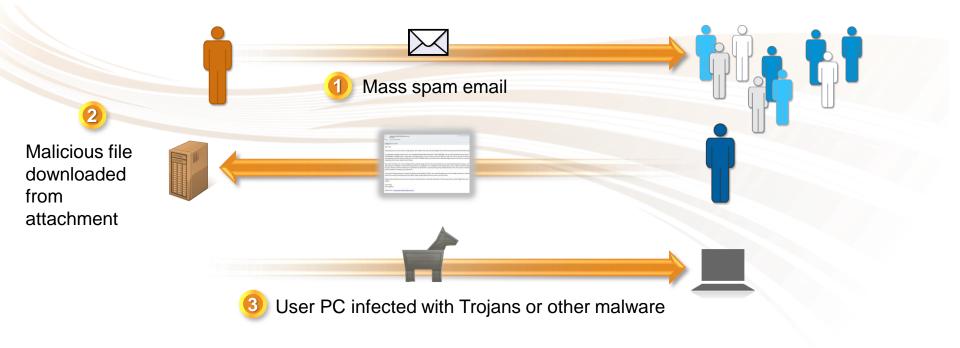
INLINE DEFENSES

- App analysis
- Malicious PDFs
- Multiple AVs
- File compress.
- Dynamic DNS
- Botnet & CnC comms









CONTAINMENT

- Data theft defenses
- Embedded DLP
- Data capture
- Geo-location
- Forensic details & reporting
- Alerts/severity



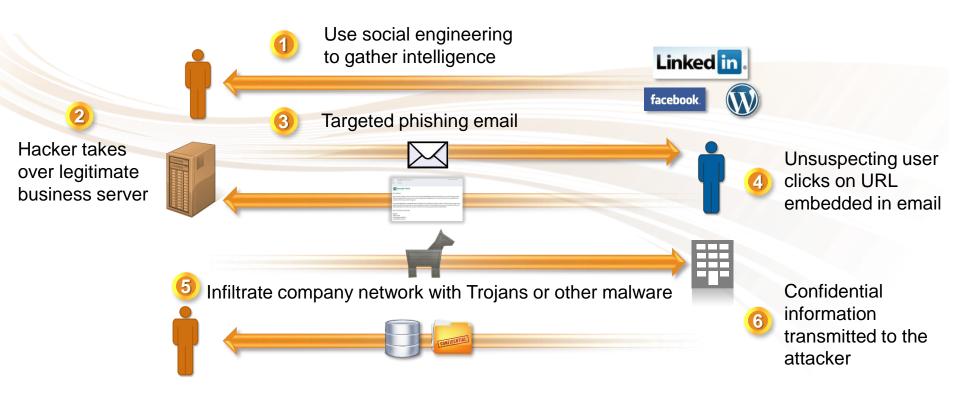




Data **Theft**

Modern Blended Attack





Threats and Security Requirements



Changing Threat Landscape



Advanced Threats



Data Theft



Attack and Malware Forensics



New Security Requirements



Protection from advanced threats



Containment against data theft



Threat dashboard / Severity alerting



Forensic reporting / SIEM integration

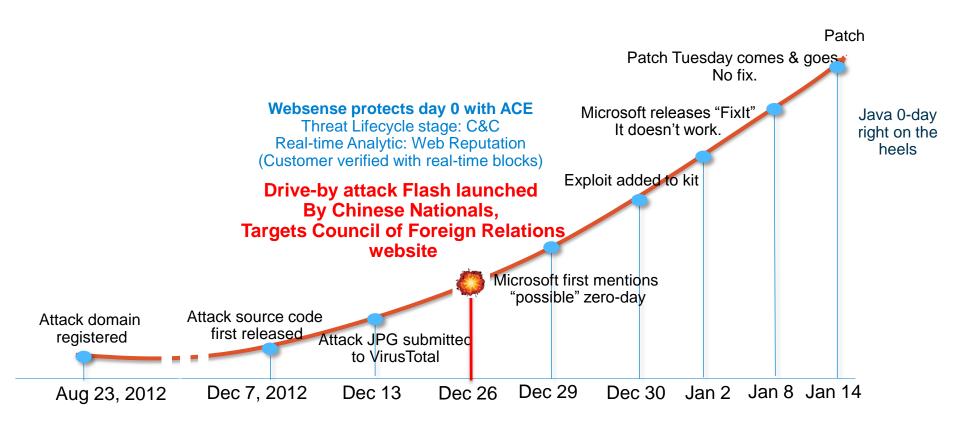


Malware analysis sandboxing & services



Performance & availability of defenses







Websense Core Technologies





A Balanced View on Web Security

Inbound

- Advanced Malware Payload Detection
- Potentially Exploited Documents
- Mobile Malware
- SSL Traffic Inspection
- Cloud Sandboxing of Email Links
- Application Control

Analysis Tools

- Sandboxing Service
- Advanced Threat Dashboard
- Forensic Reporting



Outbound

- Criminal Encrypted Uploads
- Password File Theft Detection
- Dynamic Malware Command and Control
- Unauthorized Mobile Market Places
- OCR (Optical Character Recognition
- Drip (Stateful) DLP
- Geo-Location





Websense ACE



- Real-time Threat Engines
 - Security, Data, Content
 - Over 10,000 Analytics
- Three Anti-Malware Engines
 - Commercial AV Engine
 - Heuristic Analysis Engine
 - Malicious PDF Engine
- Spear-Phishing, Reputation and Web Link defenses
- Composite Scoring Model

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10 New ACE Defenses



INBOUND

- Advanced Malware Payloads ←
- Potentially Exploited Documents ←
- Mobile Malware ←

<u>OUTBOUND</u>

- Criminal Encrypted Uploads →
- Files Containing Passwords →
- Advanced Malware Command & Control →
- Unauthorized Mobile Marketplaces →
- OCR (Optical Character Recognition) →
- Drip (Stateful) DLP →
- Geo-Location →

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Full Life Cycle Threat Protection

Before

ThreatSeeker Intelligence Cloud Global Threat Awareness Facebook Partnership Websense Security Labs



During

ACE Real-time Defenses Integrated

DLP/DTD



ThreatScope Malware Sandboxing Web & Email Gateway Integration Advanced Threat Dashboard Forensic Reporting w/SIEM Export



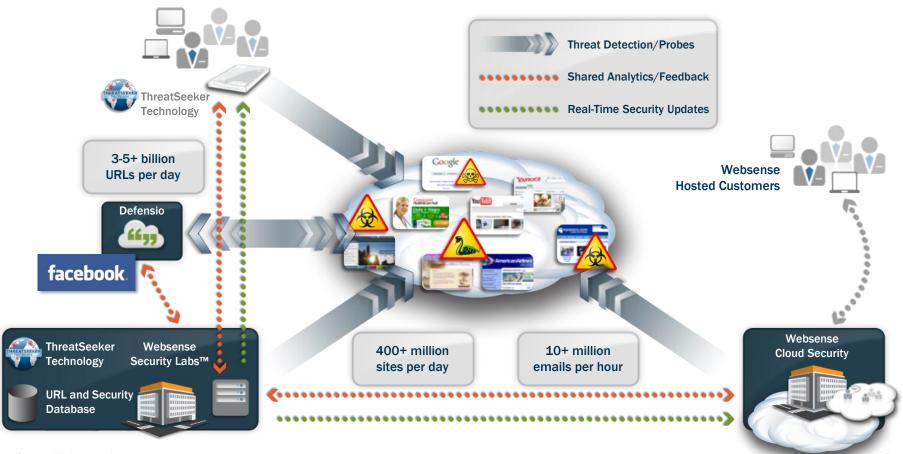
Finding threats before our customers...

Protecting during the Point of Click...

Malware sandboxing to uncover hidden threats after, plus forensic reporting

ThreatSeeker Intelligence Cloud

websense*





Web Security Solutions For a New World



TRITON Security Platform



WEB

The most

malware

advanced

threats and

data theft.

effective anti-

protection from

The most advanced email defenses against blended and targeted attacks.

EMAIL DATA

Enterprise DLP with proven risk reduction in 5-6 weeks. Features user & destination awareness.

CLOUD

The best protection for web & email for any location at the lowest TCO and easiest deployment.

MOBILE

Uniquely
effective
protection for
mobile data
from theft, loss,
malicious apps
and web
threats.

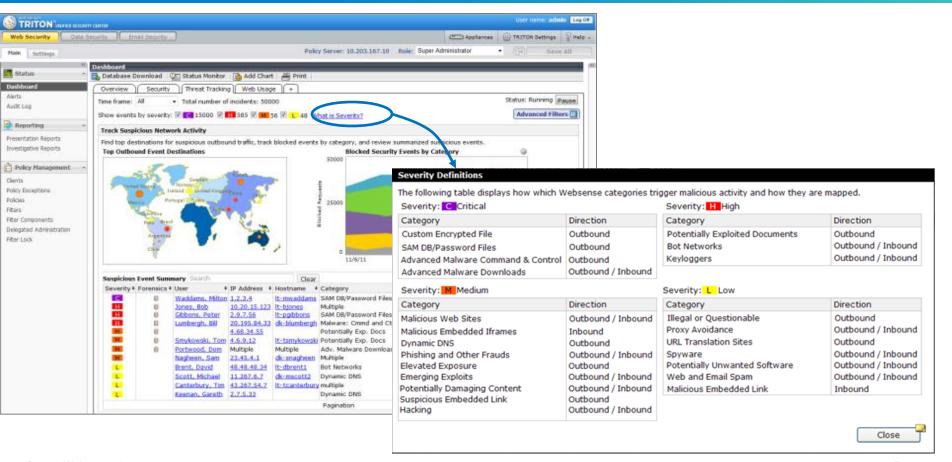




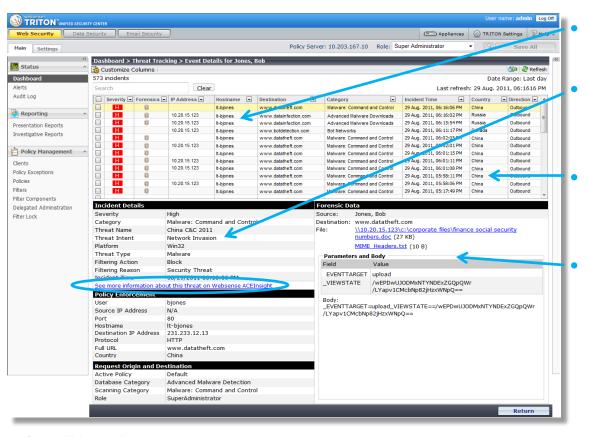


Threat Dashboard

websense*



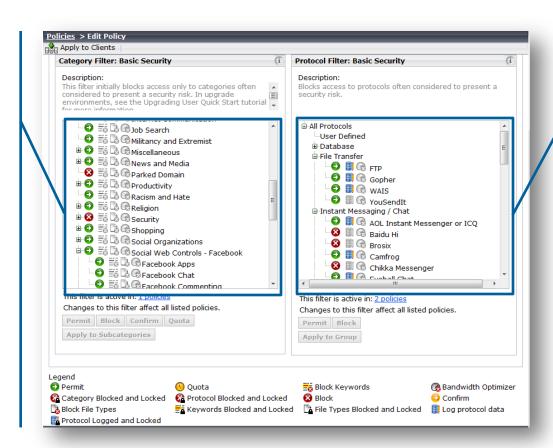
Forensic Reporting



- Know WHO was compromised
- Know **HOW** the malware operates (intent)
- Know **WHERE** the data was being sent
- Know **WHAT** was prevented from being stolen

Granular Category and App Control

- 120 Security and URL Categories
- Granular Social Media Control
- Simple Click and Set policy creation



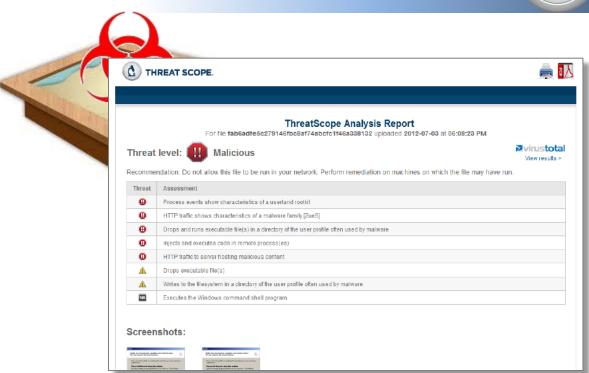
- Hundreds of Application Controls
- Includes Video Controls
- SSL Traffic Inspection

Forensic Analysis with Actionable Results

- Analyze URL and Files in a safe environment.
- Study and see how files and URLs behave.
- Get a rating for each tested URL/file.
- Plan response or action based on ThreatScope results.

Websense ThreatScope



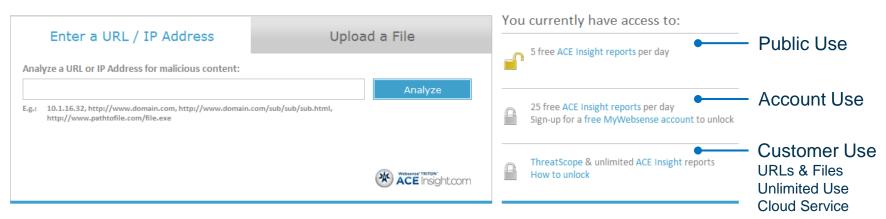


Online Analysis Tools





On-Demand Forensic Analysis Using Websense ACE (Advanced Classification Engine)







Let Us Prove It!



