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The Problem



Traditional Security Is Not Working



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

99% of breaches led to compromise within "days" or less with 85% leading to data exfiltration in the same time

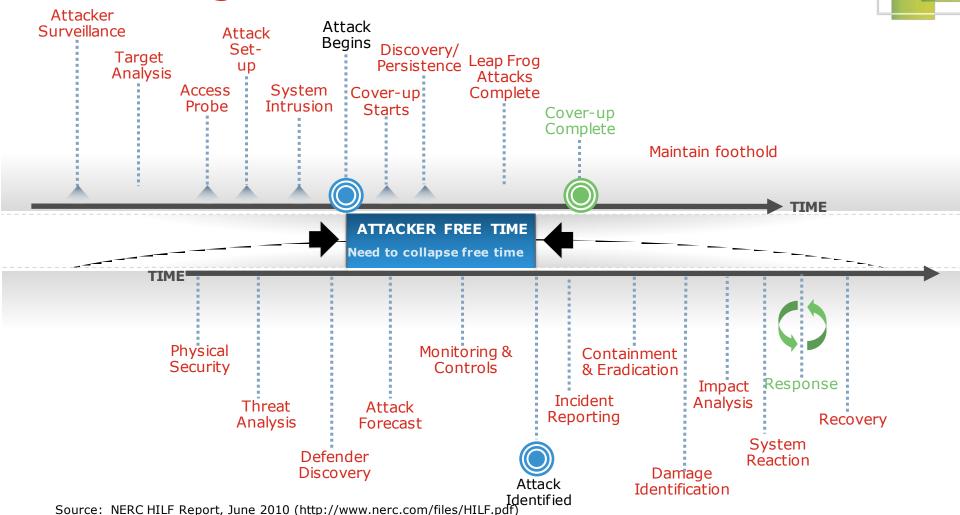
Source: Verizon 2012 Data Breach Investigations Report

85% of breaches took "weeks" or more to discover





Reducing Attacker Free Time







What Needs To Be Done?



Today's Security Requirements



"Analyze everything happening in my infrastructure"



Agile Analytics

"Enable me to analyze and investigate potential threats in near real time"



Actionable Intelligence

"Help me identify targets, threats & incidents"



Scalable Infrastructure

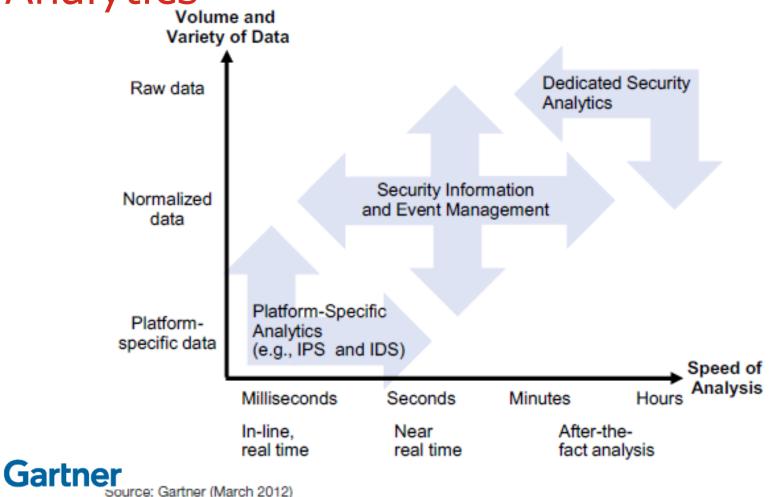
"Need a flexible infrastructure to conduct short term and long term analysis"





 EMC^2

SIEM Needs To Evolve Into Security Analytics



Gartner, Information Security is Becoming a Big Data Analytics Problem, Neil Macdonald, Mar. 23, 2012





Introducing Security Analytics



RSA Security Analytics: Changing Library The Security Management Status Quo

Unified platform for security monitoring, incident investigations and compliance reporting

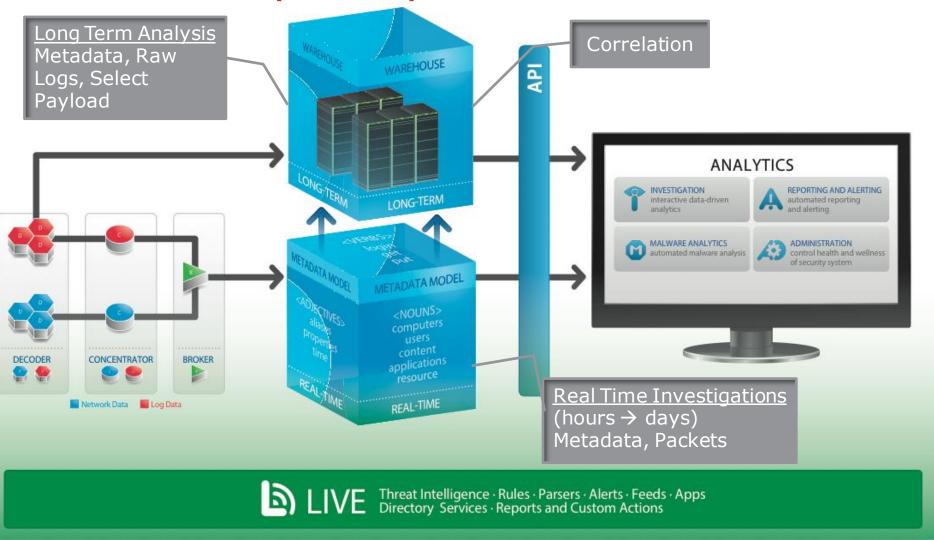


SEE DATA YOU DIDN'T SEE BEFORE,
UNDERSTAND DATA YOU DIDN'T EVEN CONSIDER BEFORE





RSA Security Analytics Architecture

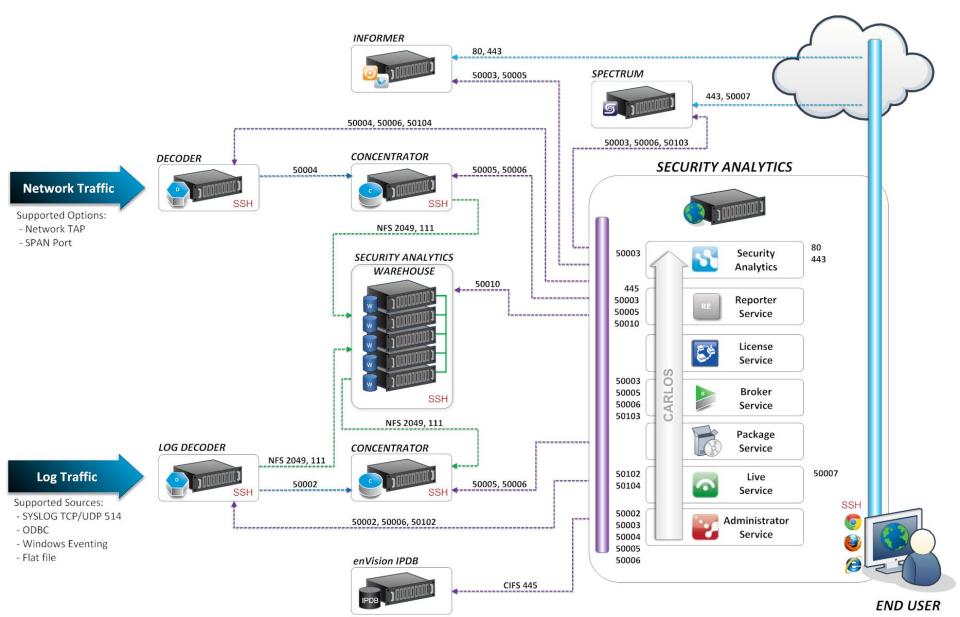








SECURITY ANALYTICS ARCHITECTURE



What Makes Security Analytics Different?



Big Data Infrastructure

- Fast & Scalable
- Logs & Packets
- Security data warehouse plus proven NetWitness infrastructure

High Powered Analytics

- The speed and smarts to detect, investigate & understand advanced threats
- Comprehensive visibility to see everything happening in an environment
- Short term & long term analytics plus compliance
- Removes the hay vs. digging for needles

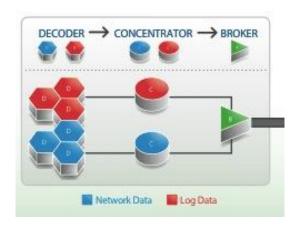
Integrated Intelligence

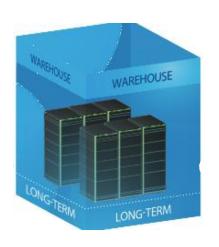
- Intelligence from the global security community and RSA FirstWatch fused with your organization's data
- Understand what to look for and utilize what others have already found











- Single platform for capturing and analyzing large amounts of network and log data
- Distributed, "scale-out" architecture
- Unique architecture to support both "speed" and "smarts" for threat analysis
- Security data warehouse for long term analytics & compliance
- Proven NetWitness infrastructure of short term analytics and investigations

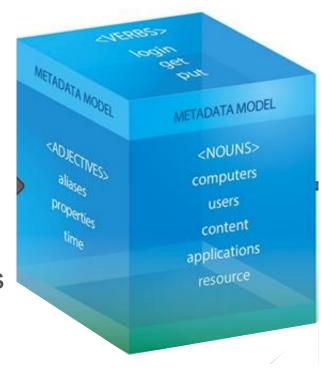






- Eliminates blind spots to achieve comprehensive visibility across the enterprise
- Real-time and "after-the-fact" investigations
- Uses the industry's most comprehensive and easily understandable analytical workbench
- Proven, patented analytics applies business context to security investigations
- Automates the generation of compliance reports and supports long term forensic analysis







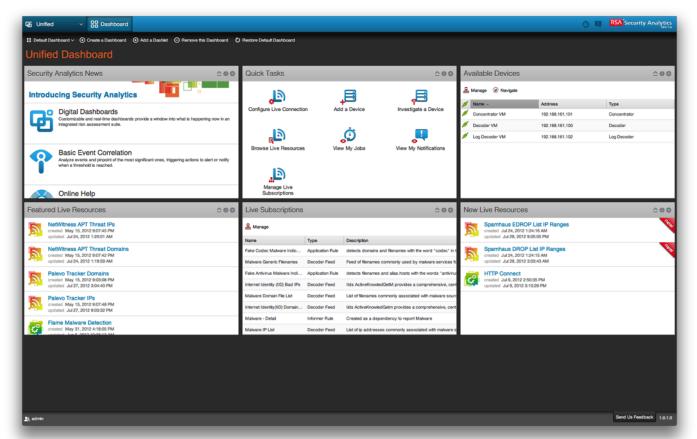


Taking A Closer Look: Real-Time Investigations



Unified Dashboard





Centralizes analysis with consolidated browser based dashboard

Smashes existing product silos

Increases analyst efficiency and effectiveness





The Approach To Security Analysis

Stop searching for needles in a haystack...



World-class
threat analysts
remove hay
until only
needles remain

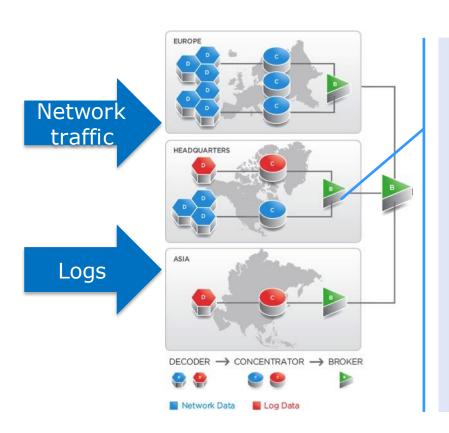
Separating "normal" activity to discover "interesting" activity - for the <u>primary</u> purpose of generating new "intelligence."







Full Network Visibility



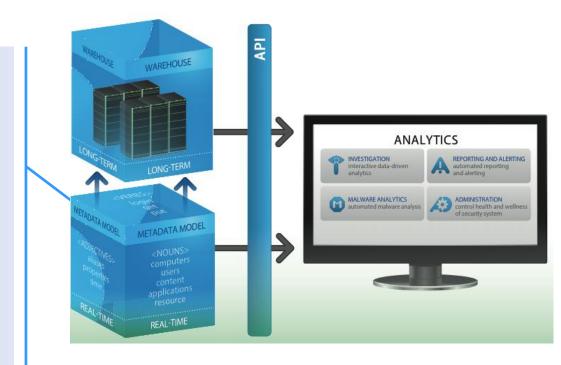
- Gain full visibility into your network including both logs and packets
- Discover advanced threats missed by traditional security approaches
- Completely reconstruct network sessions for real time analysis and investigation
- Capture all data from the network to the application layer
- Perform detailed session analysis
 - regardless of port or protocol





Patented, Award-Winning Security Analytics

- Patented methodology for metadata extraction
- Presents data in understandable format
- Patented investigative interface that displays your data in drillable categories
- Speed and flexibility for complete situational awareness











Identifies the widest spectrum of malware-based attacks

- Sandboxing, community intelligence, file content and network behavior analysis
- Automatically answer thousands of questions









Malware Analysis

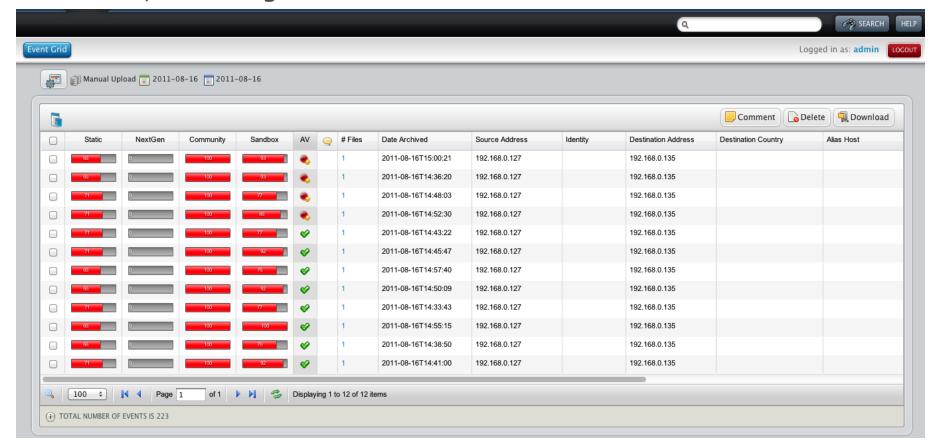
- Identify the widest spectrum of malware-based attacks, including zero-day attacks
 - Gain insight into attacks missed by both traditional and modern approaches to malware protection
 - Consider all the network data and behavior to provide the full context of an attack
- Analyze attacks by utilizing a wide spectrum of investigation techniques
 - Combine sandboxing, community intelligence, file content and network behavior analysis
 - Automatically answer thousands of questions to help determine an attacker's intent, their potential targets and the level of threat they pose
- Increase the speed and accuracy of investigations
 - Replicate and automate the workflow of an advanced malware analyst
 - Save hours of work and ensure analysts focus on the most critical malware-related events





RSA Security Analytics Malware Analysis

An analytical workbench that utilizes multiple analytical methods to identification and analysis of malware-based attacks, including attacks not seen before.

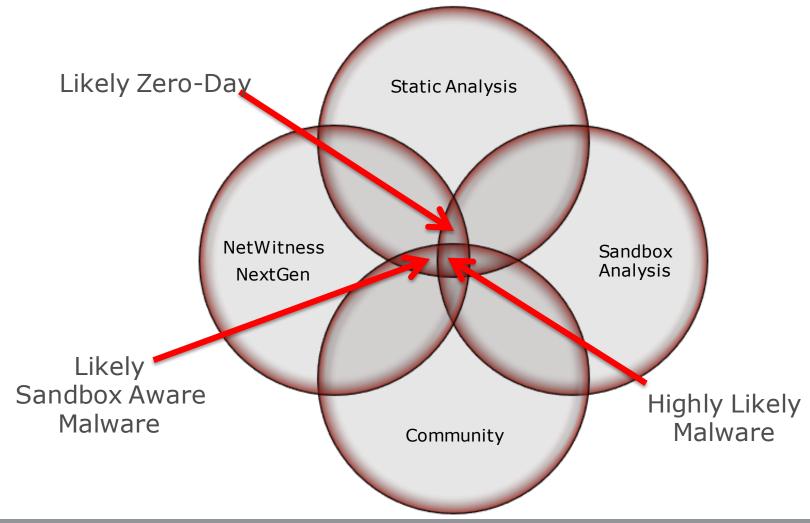






Malware Analysis

Multiple analytical methods in one tool





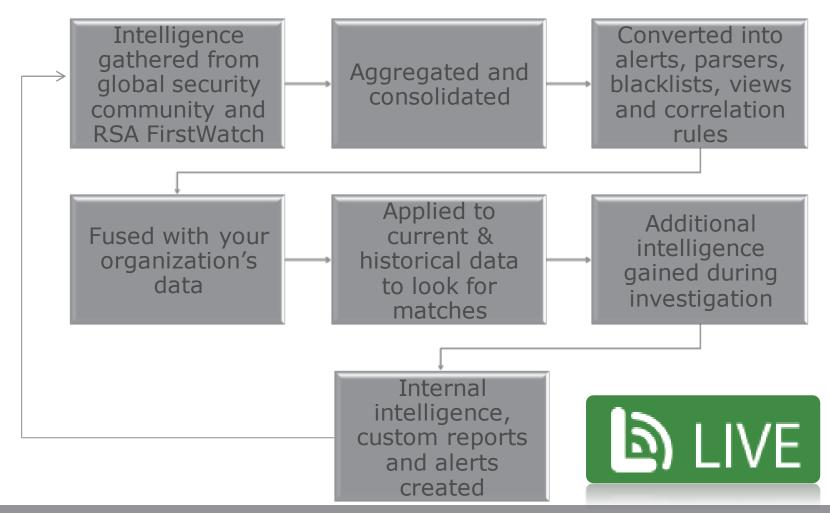


Enriching data



Integrated Intelligence

How Do I Know What To Look For?

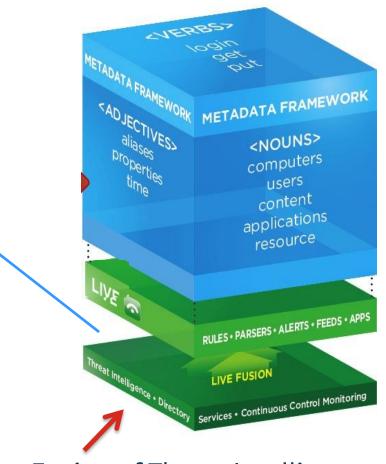






Fusion of Threat Intelligence With Your Data

- Automatically enrich data with intelligence to help level playing field
- Integrate custom feeds
- Centralize intelligence
- •Take advantage of the best 3rd party and RSA First Watch Intelligence



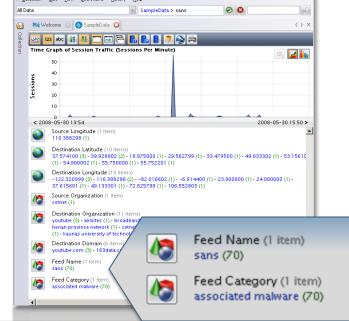
Fusion of Threat Intelligence





RSA Live In Action

- Definitively classify computers associated with illegal third party exploits, open proxies, worms/viruses, spam engines, Botnets and other current and zero-day exploits
- Prioritize intersection of threat indicators
- Provides real-time, full content navigation of enterprise security intelligence
- Synchronize with RSA FirstWatch and global content derived from best of breed sources



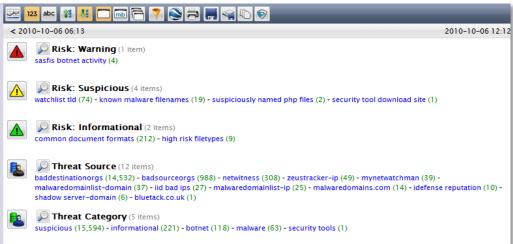


RSA Live In Action – Threat Prioritization



 Risk: Warning – high likelihood of malicious activity (botnet, malicious obfuscation, and other malware activity).

- Risk: Suspicious not overtly malicious, but suspicious when combined with other behaviors (known malware filenames, nonstandard exe structure, pdfs with javascript, etc).
- Risk: Informational notable when combined with other behaviors. (hits to file sharing sites, bittorrent activity, social networking use)



 Prioritized alerts to guide analysis based on intersection / threshold of indicators





Informer Threat / Security Reports Open Source Community Intelligence Core Content for Common Protocols / C&C Reports Exploit Kit Identification Zero-Day Indicators / Compromise Indicators Prioritized Risk Levels RSA Security Threat Blacklist APT Tagged Domains Suspicious Proxies Malicious Networks	CONTENT CLASSIFICATION	BASIC Open Source Threat Intelligence Advanced Threat Content	ENHANCED RSA Security	PREMIUM* A la Carte Fraud Intelligence & Financial Services Intelligence
Core Content for Common Protocols / C&C Reports Exploit Kit Identification Zero-Day Indicators / Compromise Indicators Prioritized Risk Levels Prioritized Risk Levels APT Tagged Domains Suspicious Proxies Malicious Networks	Informer Threat / Security Reports	✓	✓	✓
Exploit Kit Identification Zero-Day Indicators / Compromise Indicators Prioritized Risk Levels RSA Security Threat Blacklist APT Tagged Domains Suspicious Proxies Malicious Networks	Open Source Community Intelligence	✓	✓	✓
Zero-Day Indicators / Compromise Indicators Prioritized Risk Levels RSA Security Threat Blacklist APT Tagged Domains Suspicious Proxies Malicious Networks	Core Content for Common Protocols / C&C Reports	✓	✓	✓
Prioritized Risk Levels RSA Security Threat Blacklist APT Tagged Domains Suspicious Proxies Malicious Networks	Exploit Kit Identification	✓	✓	✓
RSA Security Threat Blacklist APT Tagged Domains Suspicious Proxies Malicious Networks	Zero-Day Indicators / Compromise Indicators	✓	✓	√
APT Tagged Domains Suspicious Proxies Malicious Networks V V	Prioritized Risk Levels	✓	✓	✓
Suspicious Proxies Malicious Networks	RSA Security Threat Blacklist		✓	✓
Malicious Networks	APT Tagged Domains		✓	✓
	Suspicious Proxies		✓	✓
	Malicious Networks		✓	✓
NetWitness Identity (AD Integration)	NetWitness Identity (AD Integration)		✓	✓
Verisign® iDefense® 🕥	Verisign° iDefense° 🕥			√







RSA Live - System Metrics

- 1000+ pieces of content
- 100+ Distinct feed sources
 - Over 5 million IP's and Domains tracked
 - 20% grown in unique feed sources over past 6 months
- Content library grew by aggregate 30% over past 6 months

- Average of 1.4 million new data points imported and processed week over week
- Live Content Library updated dynamically ever hour
 - 8760 updates over past year
- Support for 2 new platforms added over past year
 - RSA for Logs
 - Spectrum





RSA Security Management Compliance Vision

Delivering Visibility, Intelligence and Governance

