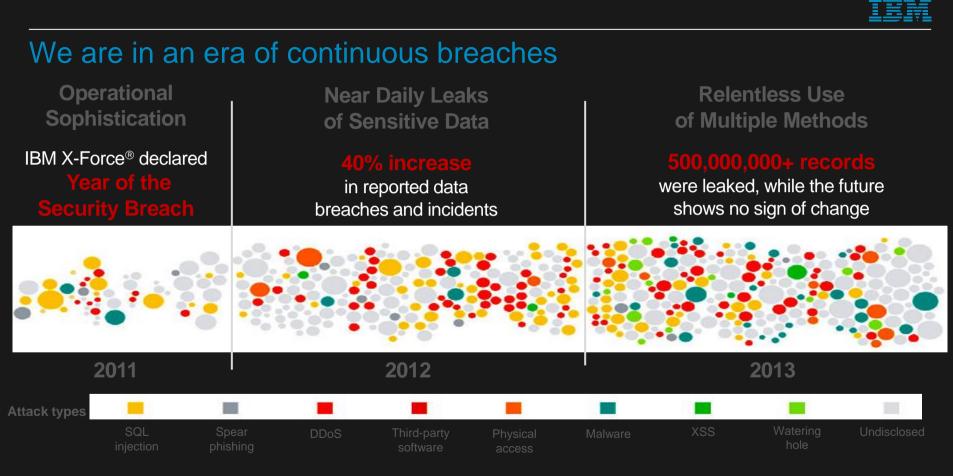
BusinessConnect and SolutionsConnect

It's time to make bold moves.

Next generation security analytics

Jason Corbin -Director - Security Intelligence Strategy and Product Management IBM Security Systems

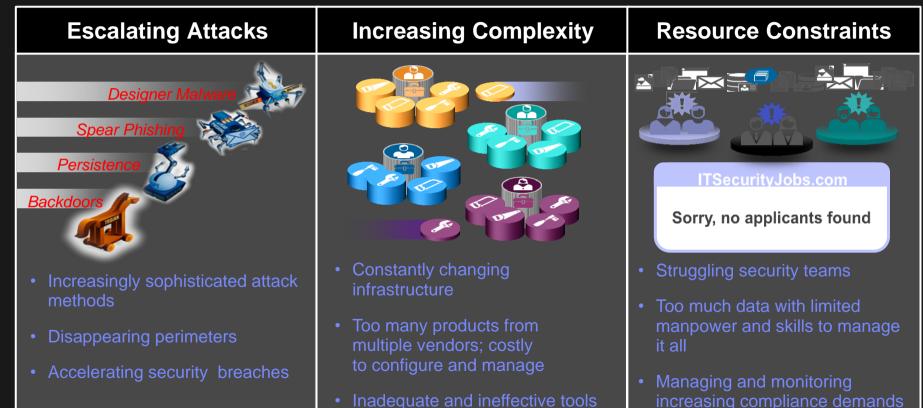




Source: IBM X-Force® Research 2013 Trend and Risk Report

Note: Size of circle estimates relative impact of incident in terms of cost to business.

Today's challenges





Challenges compounded by volume of data/transactions/issues



200,000+ face book, twitter, linked-in etc accesses a day



500+ files uploaded to internet sites a day



2,000+ files a day downloaded from the internet



30% of network use is remote



2 laptops a week go AWOL



20 new IT assets a week



3000+ SPAM/Fishing emails a week



External network scanned 10 times a day



100,000+ vulnerabilities in the network



5 network alerts per minute



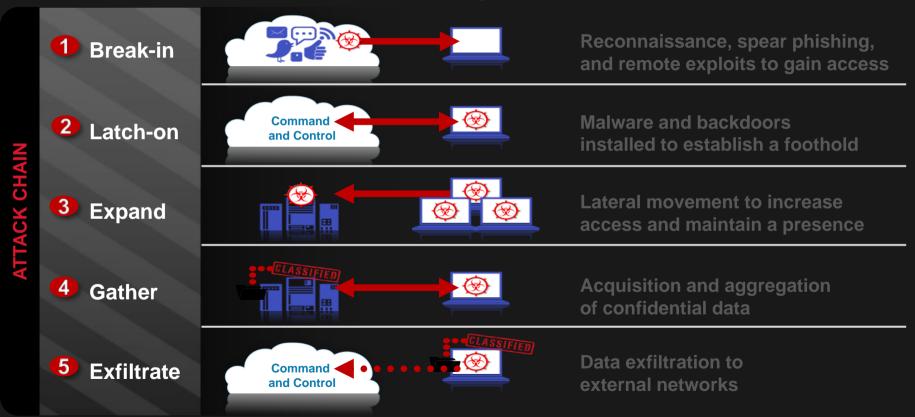
100+ potentially malicious web site visits per day



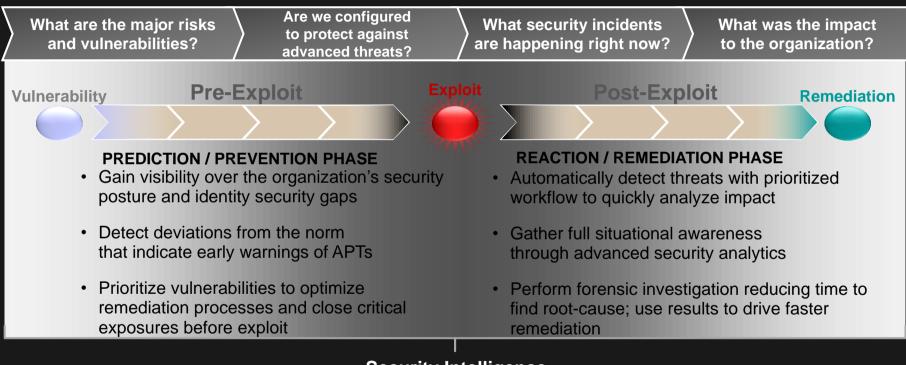
20 Network configuration changes a week



Advanced attackers follow a five-stage attack chain



Ask the right questions



Security Intelligence

The actionable information derived from the analysis of security-relevant data available to an organization

Embedded intelligence offers automated offense identification

Extensive Data Sources

Security devices Servers and mainframes Network and virtual activity **Data activity** Application activity **Configuration information** Vulnerabilities and threats

Users and identities

Global threat intelligence

2

Automated Offense Identification

- Unlimited data collection. storage and analysis
- Built in data classification
- Automatic asset, service and user discovery and profiling
- Real-time correlation and threat intelligence
- Activity baselining and anomaly detection
- Detects incidents of the box

Embedded Intelligence

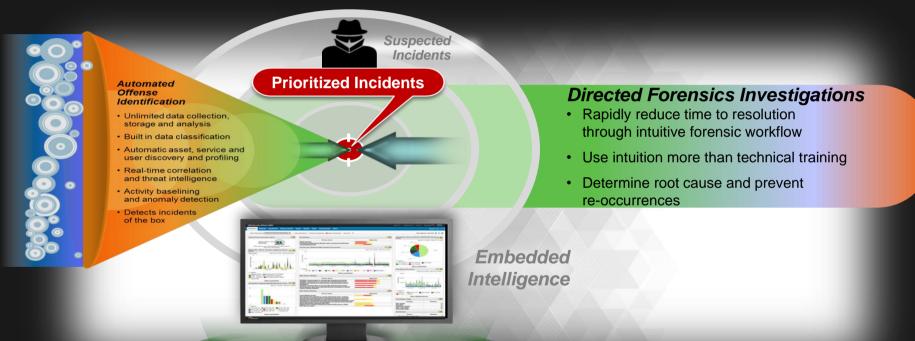


Incidents

Prioritized Incidents



Security Intelligence goes beyond detecting an incident: Extend clarity around incidents with in-depth forensics data



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Magnitude				Status 📳 📑	Relevance	e 8		Severity	5		Credit	oility 4		
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Network(s)	Multiple (3)			Assigned to	admin			o the bu		>				
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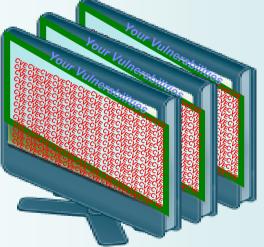
© 2013 IBM Corporation

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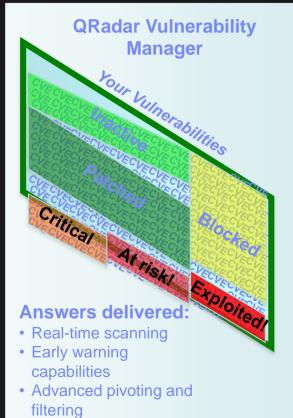
Strengthened by integrated vulnerability insights

Existing vulnerability management tools



Security Intelligence Integration

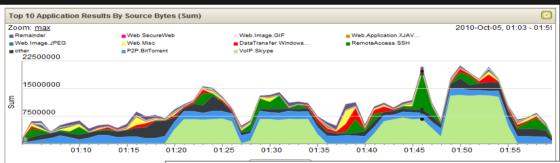
- Improves visibility
 - Intelligent, event-driven scanning, asset discovery, asset profiling and more
- Reduces data load
 - Bringing rich context to Vulnerability Management
- Breaks down silos
 - Leveraging all QRadar integrations and data
 - Unified vulnerability view across all products





Differentiated by Deep network activity analytics

- Network traffic doesn't lie. Attackers can stop logging and erase their tracks, but can't cut off the network (flow data)
 - Deep packet inspection for Layer 7 flow data
 - Pivoting, drill-down and data mining on flow sources for advanced detection and forensics
- Helps detect anomalies that might otherwise get missed



Application	Source IP (Unique Count)	Source Network (Unique Count)	Destination IP (Unique Count)	Destination Port (Unique Count)	Destination Network (Unique Count)	Source Bytes (Sum)	Destination Bytes (Sum)
DataTransfer.Window	Multiple (24)	Multiple (7)	Multiple (13)	Multiple (2)	Multiple (7)	16 319 315	531 531 708
P2P.BitTorrent	Multiple (20)	Multiple (5)	Multiple (85)	Multiple (60)	Multiple (3)	44 216 868	191 621 654
other	Multiple (259)	Multiple (9)	Multiple (3 063)	Multiple (2 877)	Multiple (10)	37 349 699	168 802 101
VoIP.Skype	Multiple (5)	Multiple (4)	Multiple (40)	Multiple (40)	other	131 172 458	46 819 290
RemoteAccess.SSH	Multiple (10)	Multiple (5)	Multiple (7)	22	Multiple (4)	37 885 116	111 228 020
Web.Misc	Multiple (16)	Multiple (5)	Multiple (295)	80	other	10 726 080	20 635 741
Web.Application.Misc	Multiple (9)	Multiple (4)	Multiple (31)	80	other	654 743	23 125 267

Clarity Through Forensics

QRadar Incident Forensics has several features to deliver intelligence to the security analyst to assist in the forensics investigation

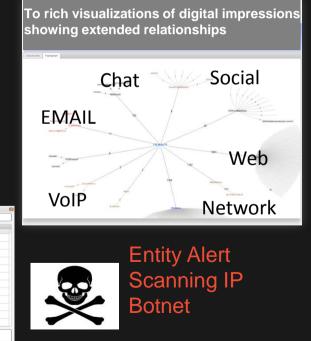
Digital Impressions: Compiled set of associations to identify identity trails

Suspect Content: Defined set of rules on content that signify suspicious activity

Content Categorization: Dynamic categorization of content based metadata and XForce feeds enables analyst to filter out the noise



	Searching 1,07	5 of 1,075 documents	
iei	arch Filters		
	Filter Type		
+	ServerIPAddress	Indude	Exclude
+	InitiatorIPAddress	Indude	Exclude
•	ClientMACAddress	Indude	Exclude
•	ResponderIPAddress	Indude	Exclude
•	ServerMACAddress	Indude	Exclude
•	ClientIPAddress	Indude	Exclude
•	ApplicationProtocol	Indude	Exclude
+	WebCategory	Indude	Exclude
•	EmaiAddress	Indude	Exclude
+	WebHost	Indude	Exclude
•	Case	Indude	Exclude
•	UserQuery	Indude	Exclude
•	Case	Include	Exclude







GeneralDemo-demo5.pcap-000c29cbe49a-200704

5305340d561a8022258366f629dbd3556e71c5bd3d0083ffb les/GeneralDemo/demo5.pcap/msn/2007/04.04/13.49/33/791/det

Intuitive Data Exploration and Navigation Reduces Impact

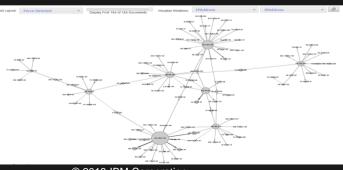
Empower security analysts to operate like seasoned forensics specialists by offering capabilities that can be powered by intuition and logical deduction

Survey: Retrace the activities in a chronological order

Searchable Results: Quickly pivot on data items to go where the data takes you

riter	List					View	Text	Attributes	Notes	
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-		Easta 2308/04/24 00 24 34 94 2308/04/24 09 24 34 94 2308/04/24 09 24 34 94 2908/04/24 09 24 34 94 2008/04/24 09 24 34 94	Prokassi DAAP DAAP DAAP DAAP	Email Message Email Message Email Alternate Format Breat Attachment Email Attachment	Ratherany (1)	MSN File Trans	fer		G	eneralDemo-demo5.pcap-000c29cb
17 18 18 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10		2010/04/26 09:34:18 PP 2010/04/26 09:34:18 PP 2010/04/26 09:34:18 PP 2010/04/26 09:34:18 PP 2010/04/26 13:11.09 2010/04/26 11:0:45:18 PP 2010/04/26 11:0:45:18 PP 2010/04/26 11:0:45:28 PP 2010/04/26 11:0:45:28 PP 2010/04/26 11:0:45:28 PP	21447 214647 214647 20423 20423 20423 20423 20423 20423 20423 20423 20423 20423 20423 20423 20424 20424 20424 20424 20424 20424 20447 20447 20447 20447 20447 20447 20447 20447 20447 20447 20447 20447 20447 20447 20447 20447 20447 20447 20447 20457 20477 20477 20477 20477 20477 20477 20477 204777 204777 204777 204777 204777 204777 204777 204777 204777 204777 204777 204777 204777 204777 204777 2047777 2047777 2047777 2047777 2047777 2047777 20477777 2047777777777	Ernak Abervale Format Break Abervale Format Ernal Abervale Ernak Abervale Ernak Abervale Web Page Web Page Web Page Web Page Web Page			 It was The Set 	part of a msn (erver was at 20 ient was at 172	tcp) sessio 7.46.26.17	Apr 4 2007 13:52:00 on that started at Apr 4 2007 13:49:33 1(MAC:00:0e:0c:72:03:1c) on port 18((MAC:00:18:4d:70:65:d1) on port 3067
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Visual Analytics: Navigate the data using visual indications of correlations between data items



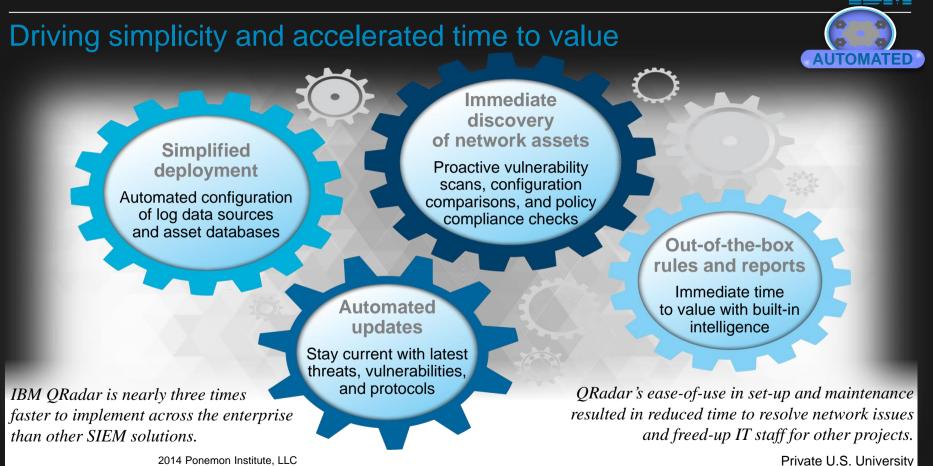
ast-Save-Date: 1601-01-01T00:06:31

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An integrated, unified architecture in a single web-based console

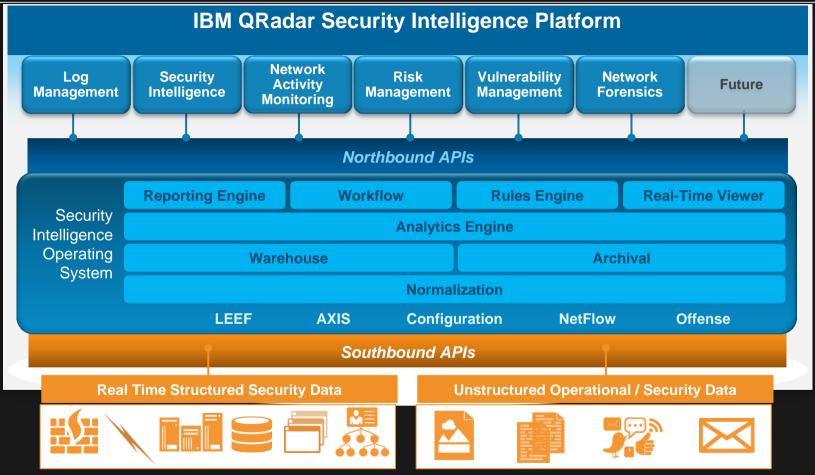




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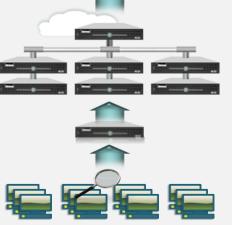
Optimized appliance and software architecture for high performance and rapid deployment in any environment

IBM QRadar Security Intelligence Platform



Scalable appliance architecture

- Easy-to-deploy, scalable model using stackable distributed appliances
- Does not require third-party databases or storage



Shared modular infrastructure

- Offers automatic failover and disaster recovery
- Virtual deployments well suited for cloud environments



Intelligence, integration, automation to stay ahead of the threat

Identify and quickly remediate

Deploy comprehensive security intelligence and incident forensics

Last updated Thu Apr 19 01	9:16:18 ADT 2012	
O Microsoft Windows Active	X Control Code Execution	
	bility in the widely deployed Mi ICOMCTL.OCX) can be exploite	
O Adobe Flash Player for C	brome Sandbox Bypass Vulner	abilities
The sandbox leature of Adol vulnerabilities which could r	be Flash Player for Chrome ha result in privilege escalation.	s two
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Consolidate data silos

Collect, correlate and report on data in one integrated solution

Address regulation mandates

Automate data collection and configuration audits

Detect insider fraud

Adopt next-generation SIEM with identity correlation

Better predict business risks

Engage entire lifecycle of risk management for network and security infrastructures

Statement of Good Security Practices: IT system security involves protecting systems and information through prevention, detection and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed or misappropriated or can result in damage to or misuse of your systems, including to attack others. No IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products or services to be most effective. IBM DOES NOT WARRANT THAT SYSTEMS AND PRODUCTS ARE IMMUNE FROM THE MALICIOUS OR ILLEGAL CONDUCT OF ANY PARTY.

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