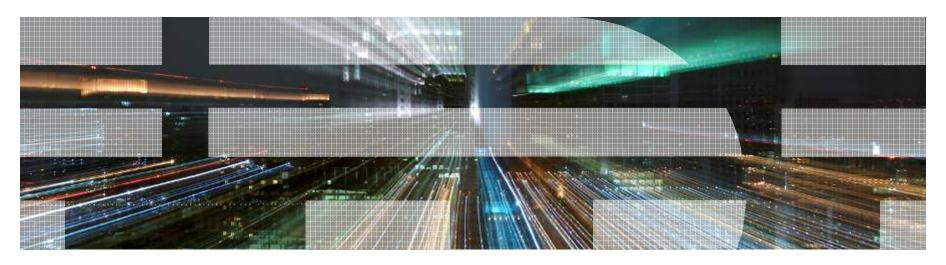


Big Data – Opportunité et risques

Security for a Smarter Planet



Michel Bobillier Global Sales Leader, IBM Security Solutions November 6th, 2012



Today's Discussion Topics

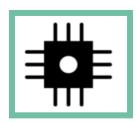
- Big Data
- Smarter Planet
- Security impact
- The implications Security "New Normal"



2 poration







Revenue 2011: \$107B (+7%). Profit \$15.8B +7%)

427'000 employees in 170 countries



M → S: Software, Services (>80%)



Acquisitions

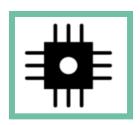


Smarter Planet, Business Analytics, Cloud computing





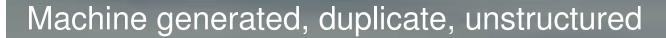
"Big Data" Buzz Word or Revolution?

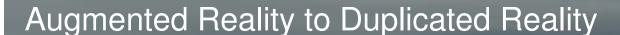


Memory cheaper than paper

5 EB created every 2 days (Google' CEO)







TB, PB, EB, ZB, YB ...

Gold mine ...

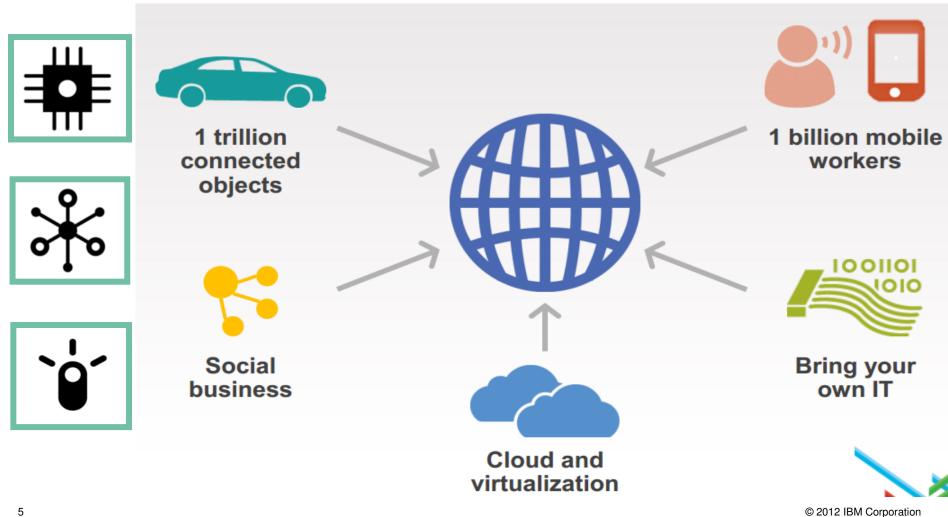
... and a security risk







Innovative technology changes everything Better, Faster, Cheaper





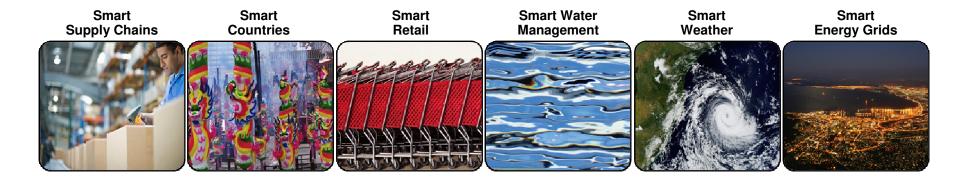


The Smarter Planet

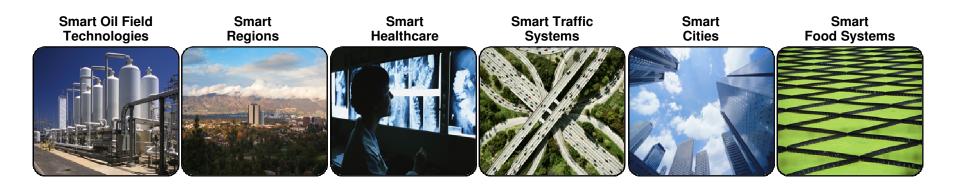




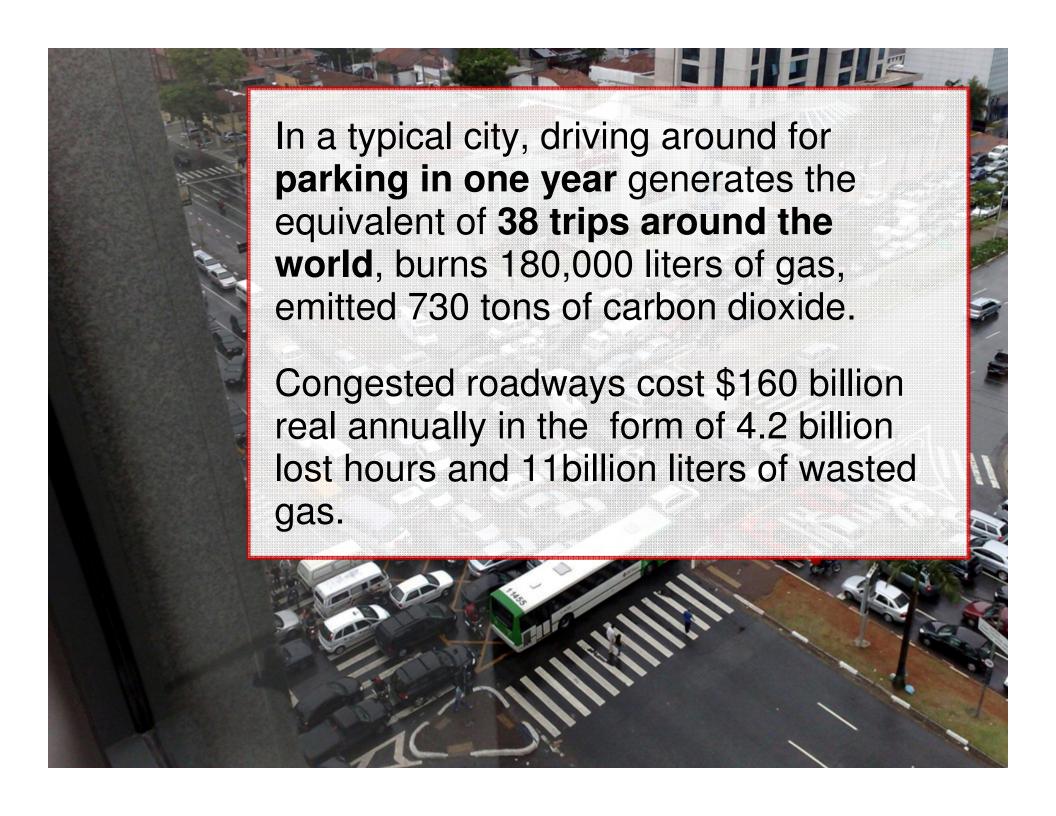
The Planet is getting more...

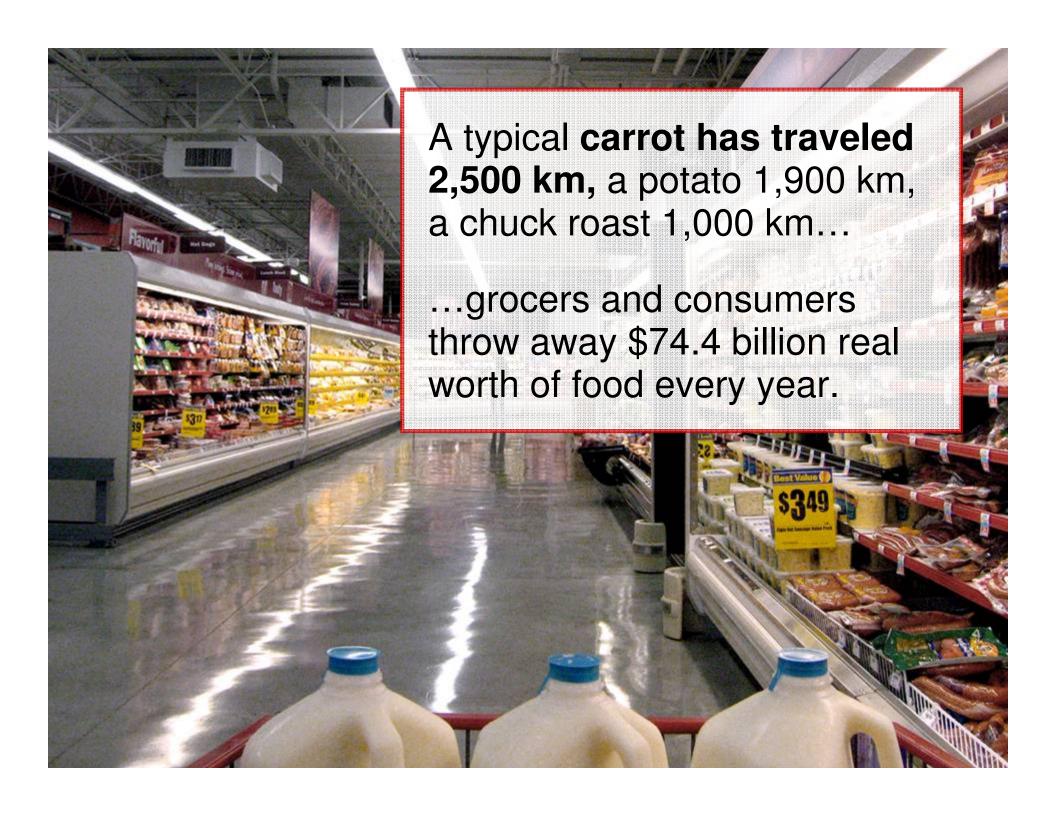






It isn't just because we can. It is because we must.









What is the risk?















Motivations and sophistication are rapidly evolving

National Security

Espionage, Activism

Monetary Gain

Revenge, Curiosity



Organized crime Zeus

Insiders and Script-kiddies Code Red

Flame

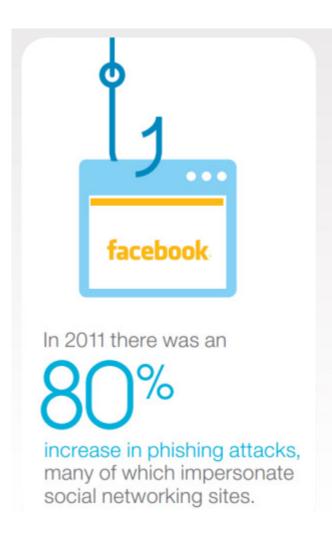
Nation-state actors
Stuxnet

Competitors and Hacktivists

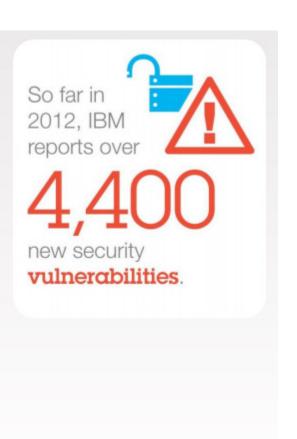
Aurora



Techniques, tools, and targets are also increasing

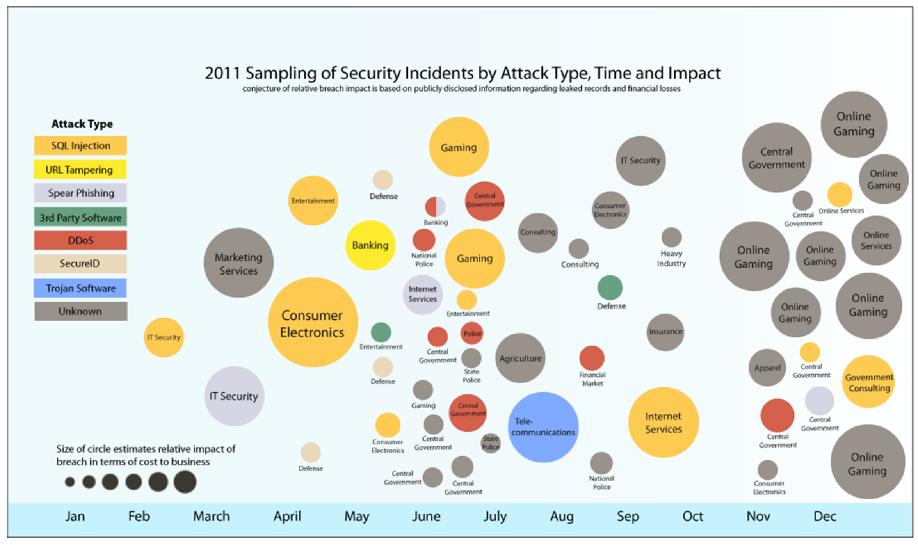








2011: Year of the Targeted Attack



Source: IBM X-Force® Research 2011 Trend and Risk Report



Global coverage brings expertise and detailed security





14B analyzed Web pages & images
40M spam & phishing attacks
54K documented vulnerabilities
Billions of intrusion attempts daily
Millions of unique malware samples

World Wide Managed Security Services Coverage

- 20,000+ devices under contract
- 3,700+ MSS clients worldwide
- 13B+ events managed per day
- 1,000+ security patents
- 133 monitored countries (MSS)

JK 2012-04-2



What are we seeing? Key Findings from the 2012 Trend Report

Progress in Internet Security

- Significant decrease of PDF vulnerabilities
- Fewer exploit releases
- Better patching

But...

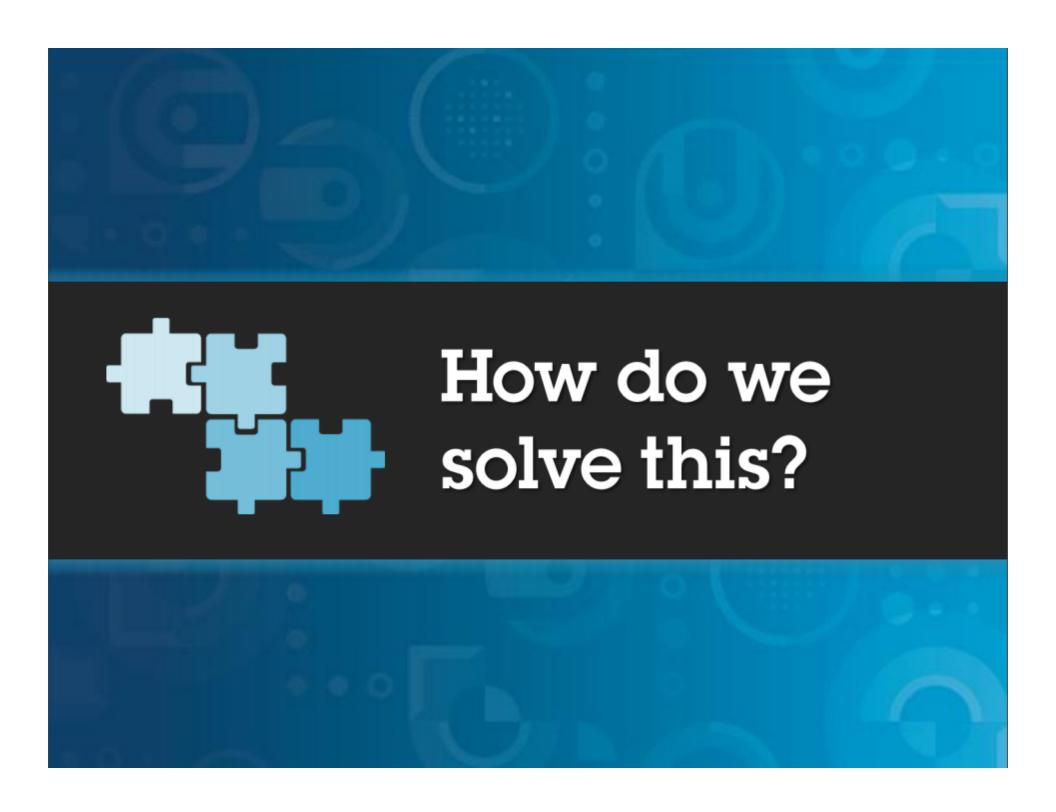
New Attack Activity

- MAC APT and Java exploits surface
- Password leaks raise renewed awareness
- SQL injection most preferred attack type
- XSS tops at 51% of all web app vulnerabilities

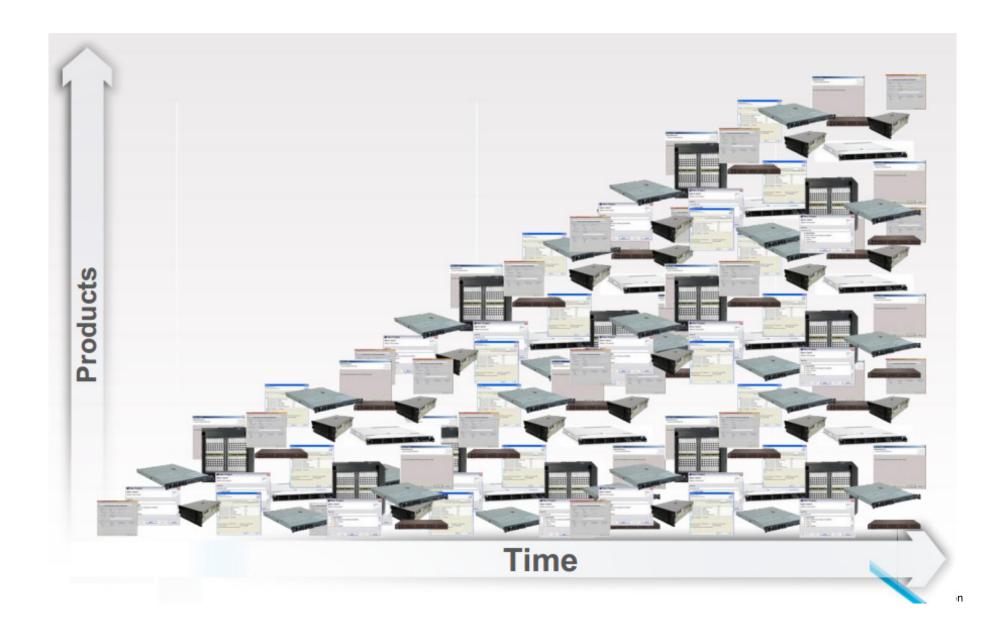
The Challenge of Mobile BYOD

- Patching of mobile devices a real challenge
- CISOs say mobile security is greatest near-term technology concern

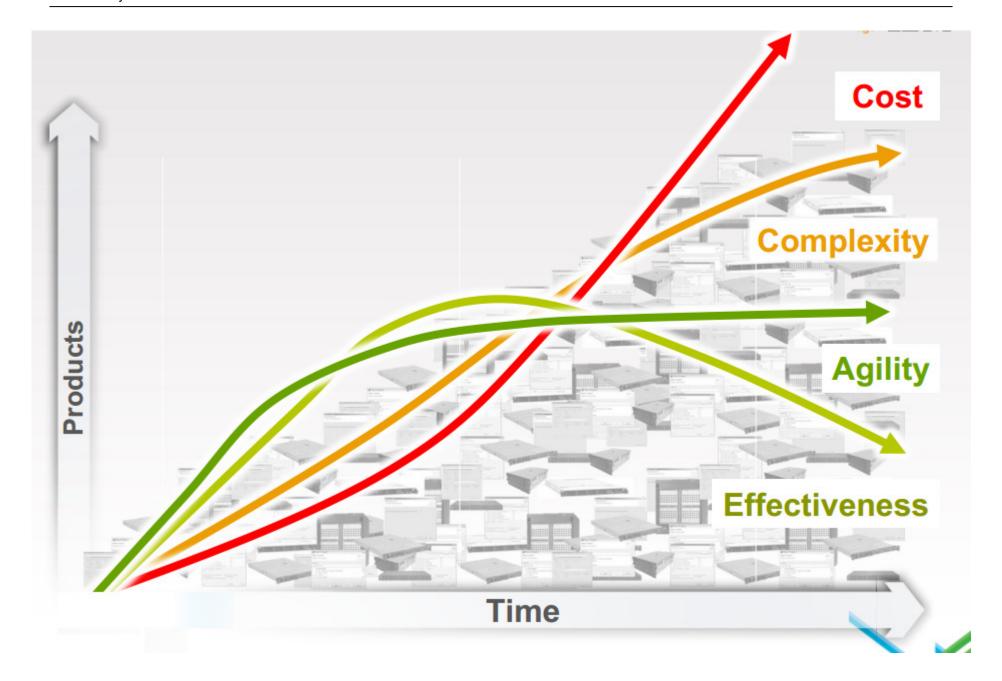






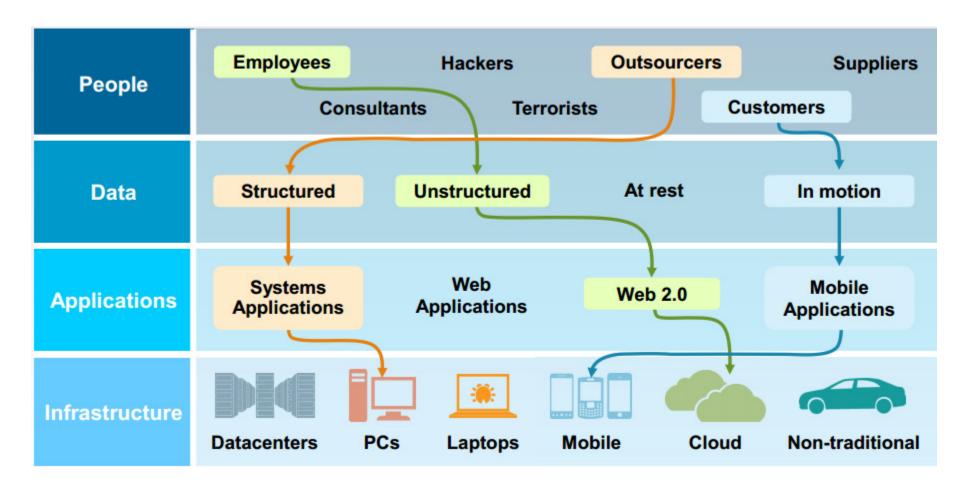








The attack surface is growing exponentially

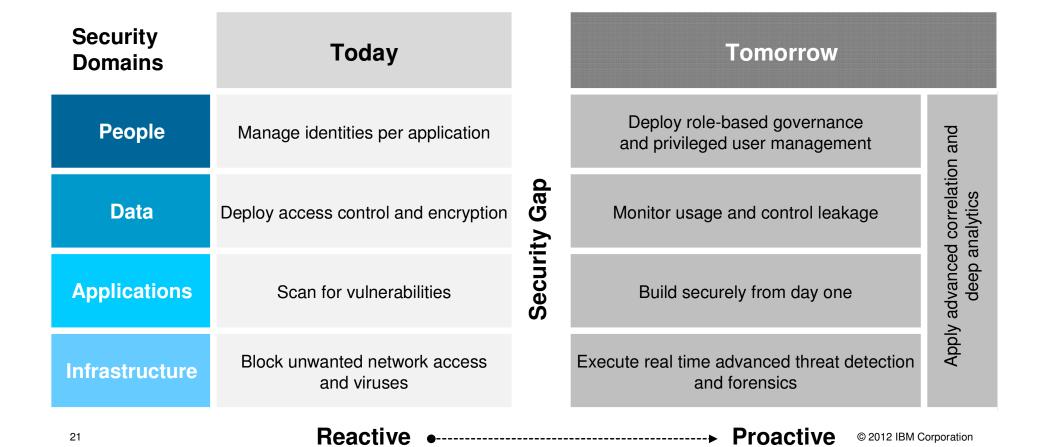


77% of firms feel cyber-attacks harder to detect and 34% low confidence to prevent



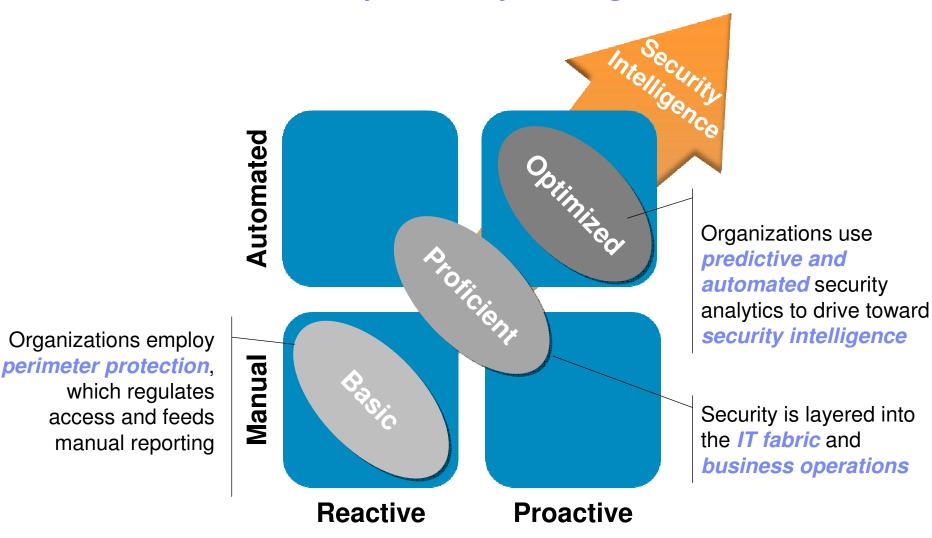
IBM Security Point Of View: shift from point product to integrated enterprise defense

Security will shift from a point product approach to an integrated enterprise approach, based on key foundational elements that allow for active management, real time information, analytical correlation, and predictive threat management



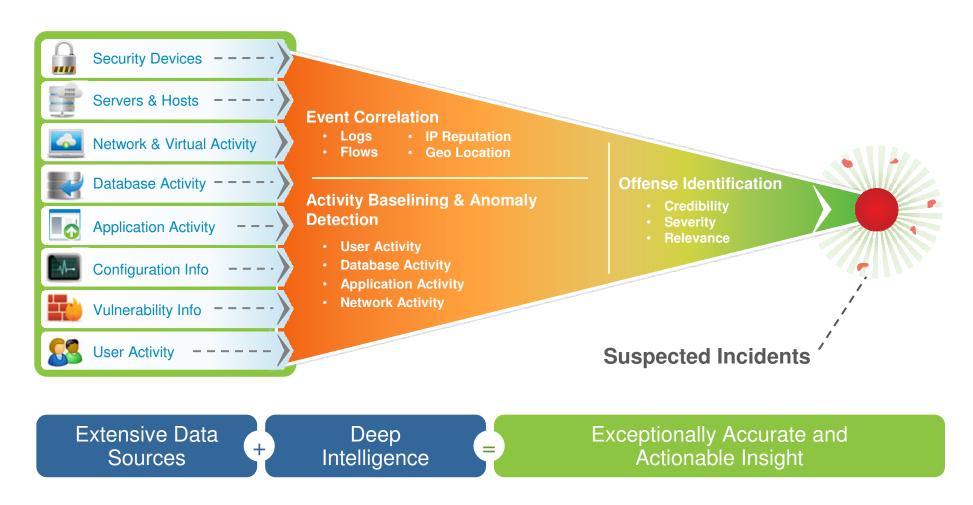


A "New Normal" led by Security Intelligence





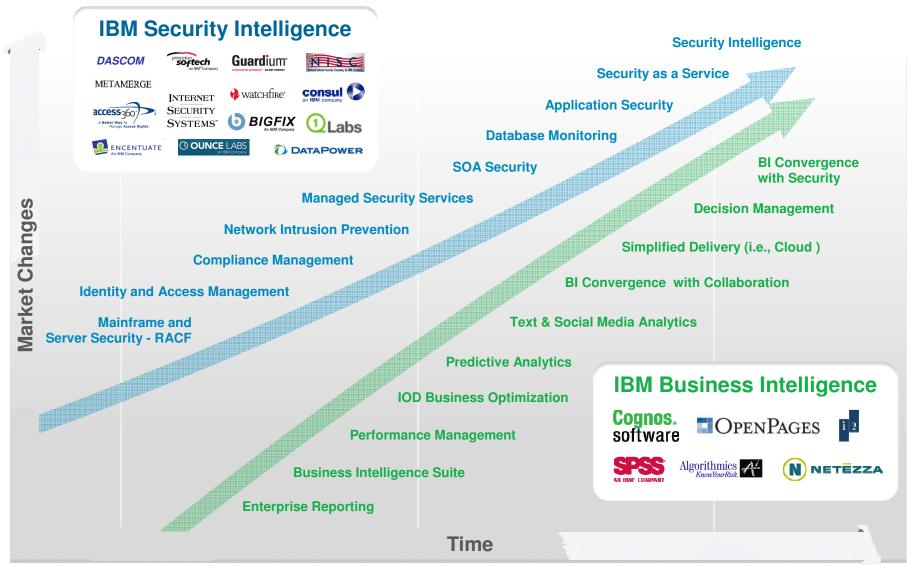
Full Visibility and Actionable Insight for Total Security Intelligence



24



Security and Business Intelligence offer insightful parallels



JK 2012-04-26

Security Intelligence





From

Log collection and signature based detection

То



- Real Time Monitoring
- Context-aware anomaly detection

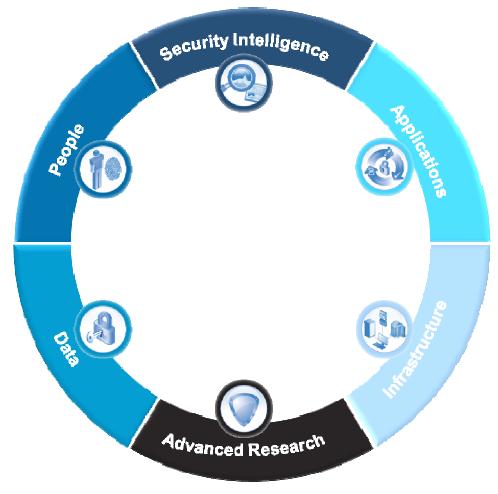


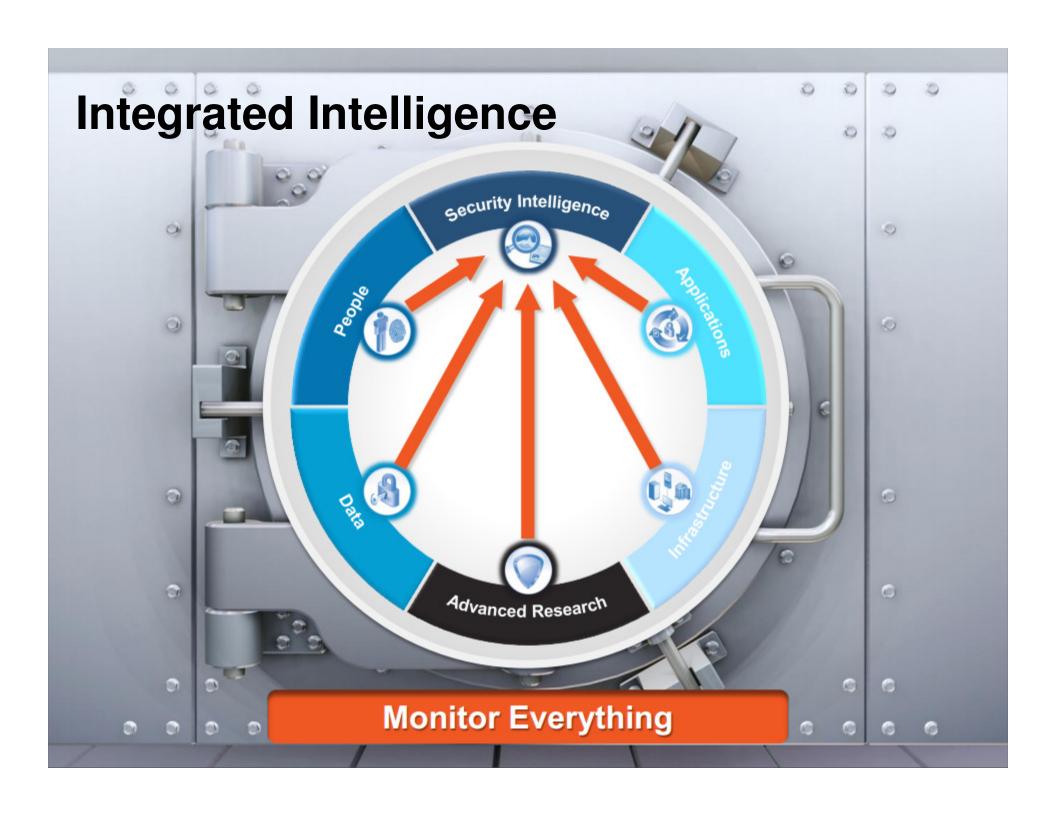


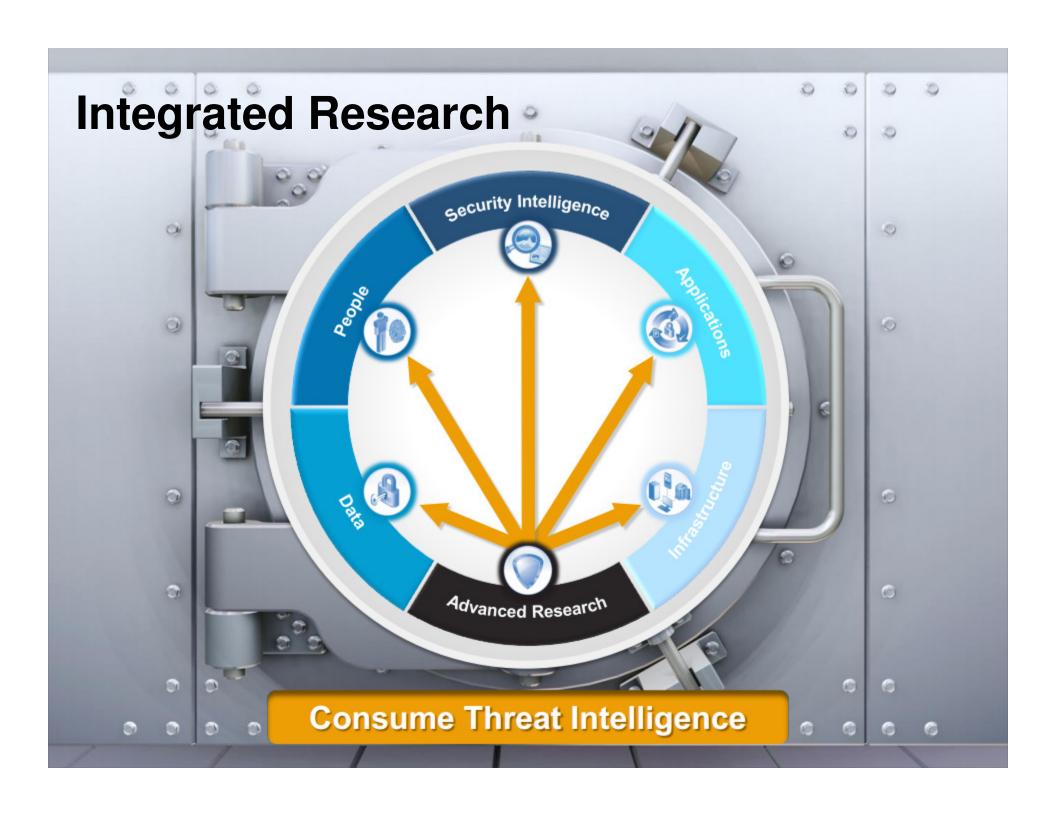


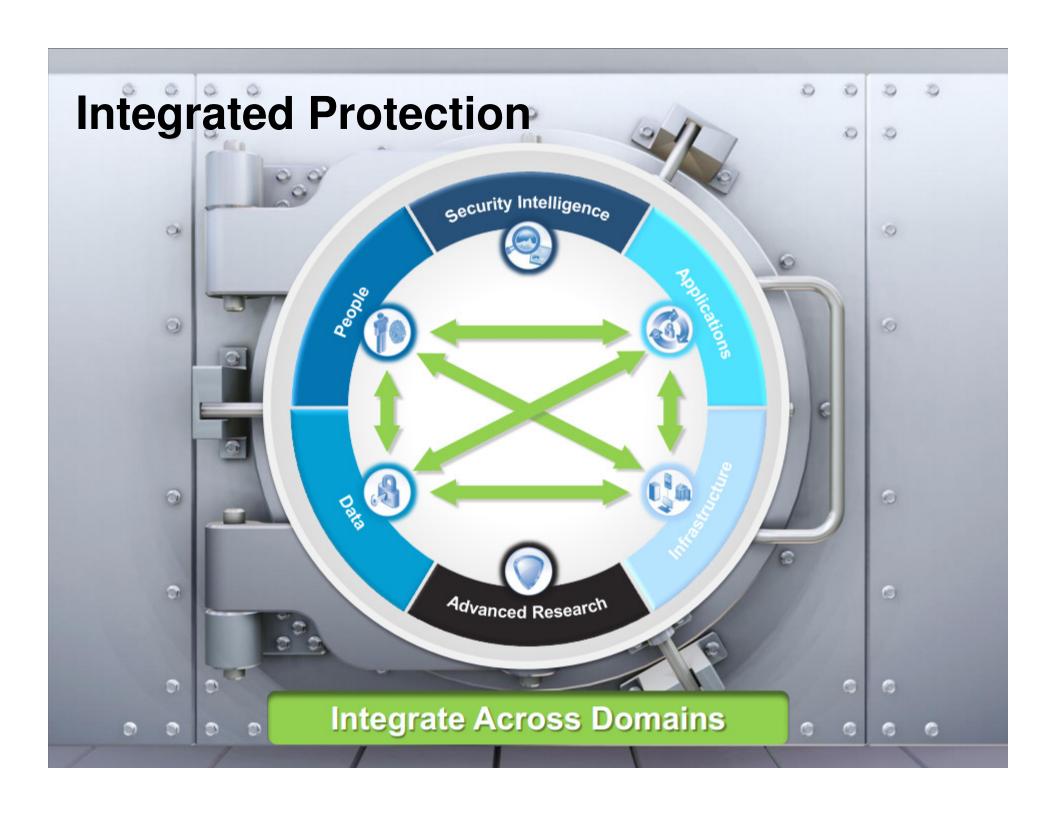
Integration of the IBM Security Framework provide incremental security value







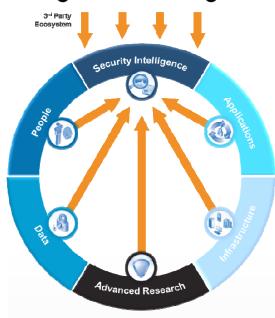






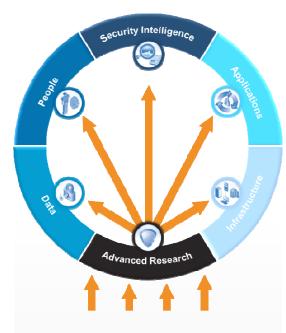
Integration: Increase security, collapse silos, and reduce complexity

Integrated Intelligence.



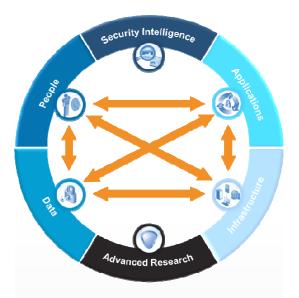
- Consolidate and correlate siloed information from hundreds of sources
- Designed to detect, notify and respond to threats missed by other security solutions
- Automate compliance tasks and assess risks

Integrated Research.



- Stay ahead of the changing threat landscape
- Designed to detect the latest vulnerabilities, exploits and malware
- Add security intelligence to non-intelligent systems

Integrated Protection.



- Customize protection capabilities to block specific vulnerabilities using scan results
- Converge access management with web service gateways
- Link identity information with database security



Security Intelligence delivered through a comprehensive framework







Security Intelligence







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