

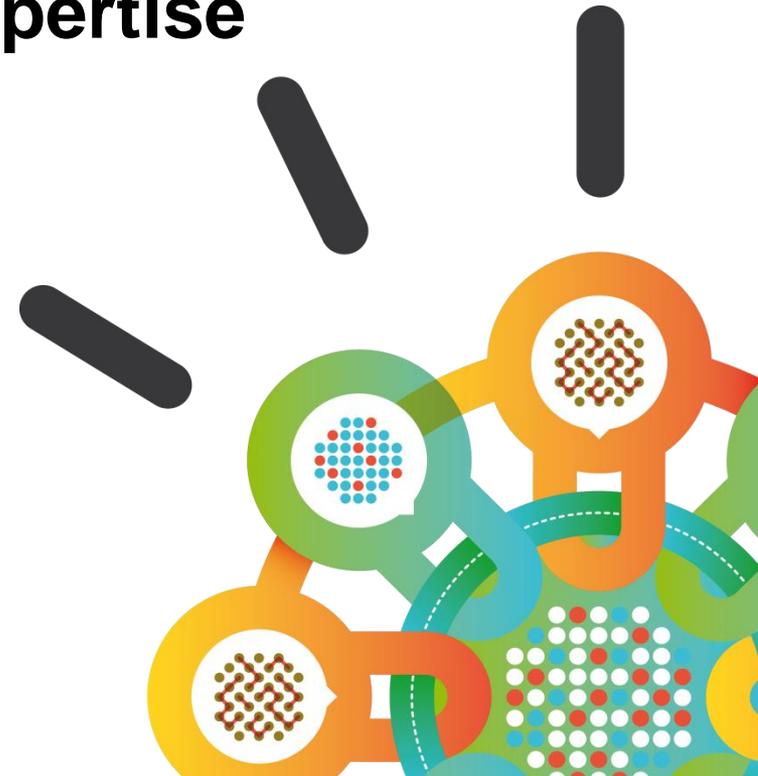
Security Intelligence.
Think Integrated.

IBM Security Strategy

Intelligence, Integration and Expertise

Adrian Aldea
EMEA Security Tiger Team

Riga
Oct 23, 2013



Innovative technology changes everything



**1 trillion
connected
objects**



**1 billion mobile
workers**



**Social
business**



**Bring your
own IT**



**Cloud and
virtualization**

Motivations and sophistication are rapidly evolving

National Security



Nation-state actors
Stuxnet

Espionage, Activism



Competitors and Hacktivists
Aurora

Monetary Gain



Organized crime
Zeus

Revenge, Curiosity

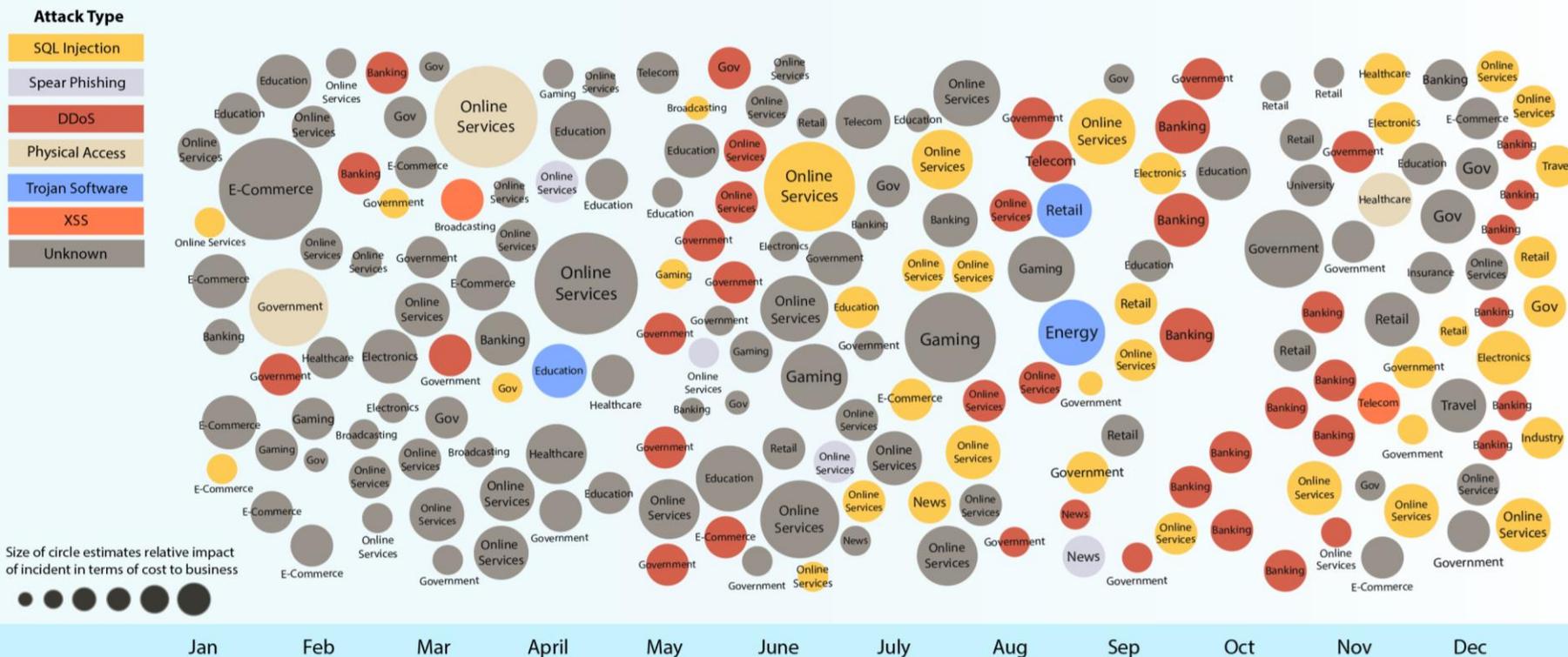


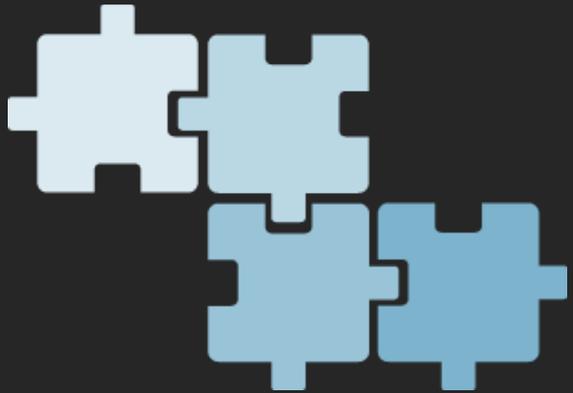
Insiders and Script-kiddies
Code Red

Numerous Vulnerabilities, Sophisticated Attackers means...

2012 Sampling of Security Incidents by Attack Type, Time and Impact

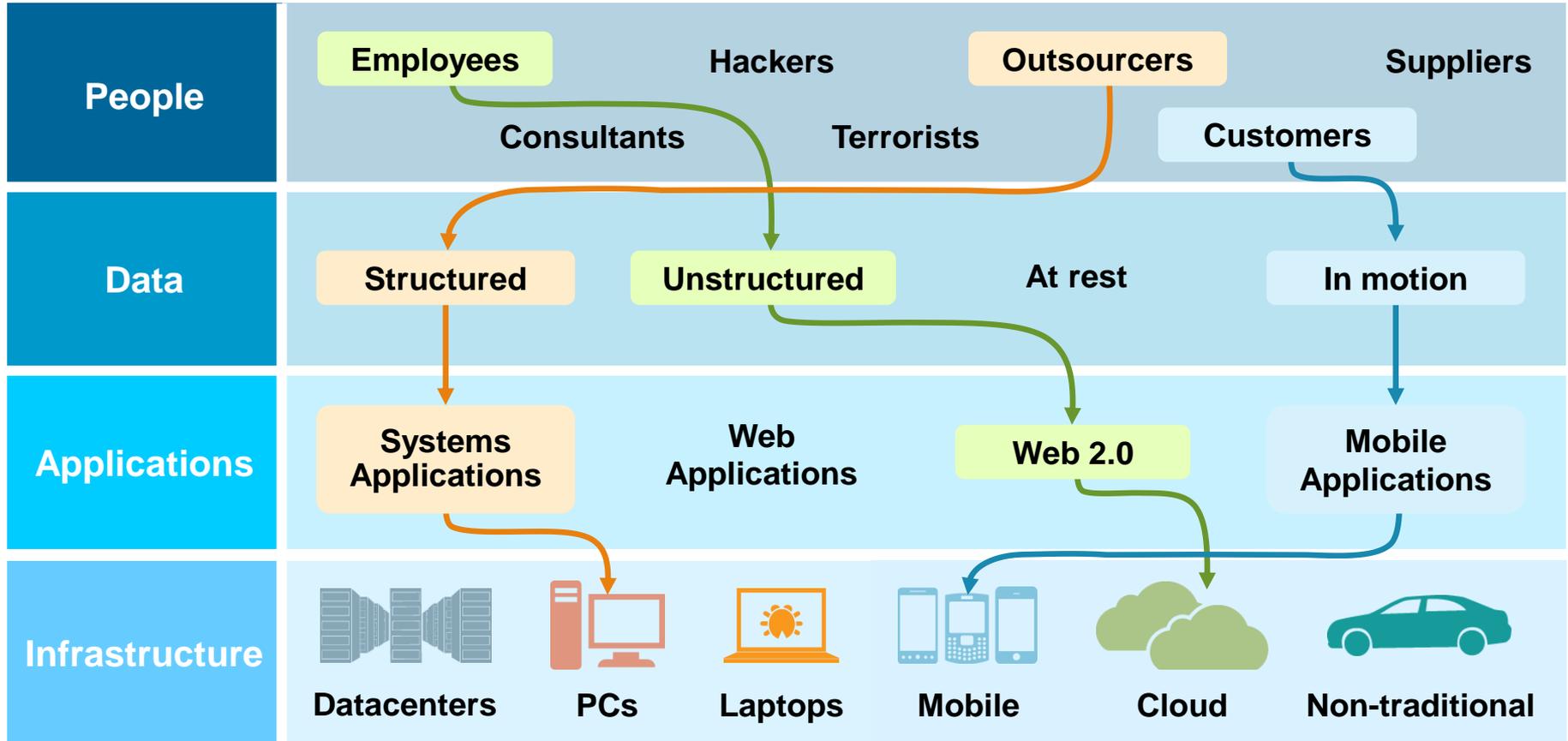
Conjecture of relative breach impact is based on publicly disclosed information regarding leaked records and financial losses





How do we
solve this?

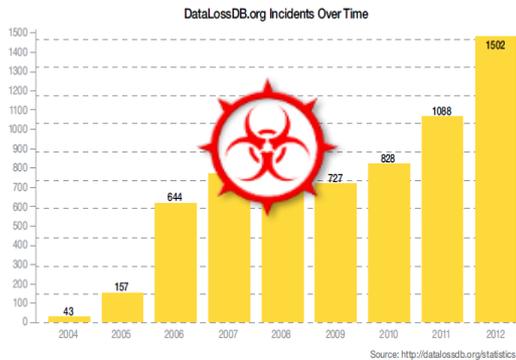
Security challenges are a complex, four-dimensional puzzle ...



... that requires a new approach

Must Cover a Wide Range of Issues

1 Complexity of Attacks



- Advanced Persistent Threats
- 0-Day Vulnerabilities
- Targeted Phishing & Designed Malware
- Web application attacks
- Stealth Botnets

2 Complexity of Users



- Blending work/personal use
- Broad information sharing
- Poor security awareness and vigilance
- Targeted by social engineering and spear phishing attacks

3 Complexity of Technology



- Point solutions creating “Security Sprawl”
- Bring Your Own Device
- Evolving networking and connectivity standards
- Rapid growth of web applications

Applying these
principles

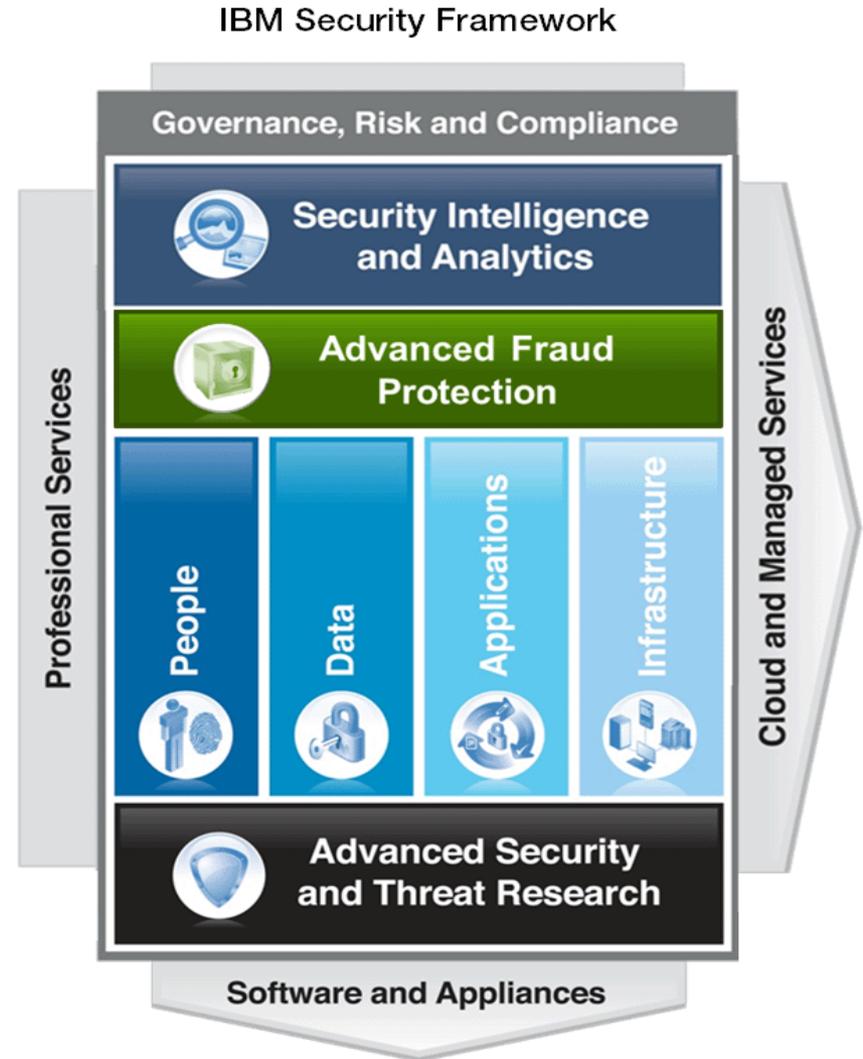


IBM delivers solutions across a comprehensive Security Framework

Intelligence

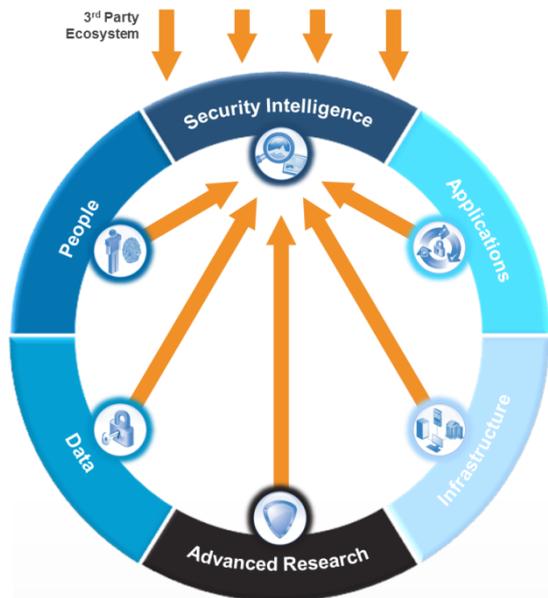
Integration

Expertise



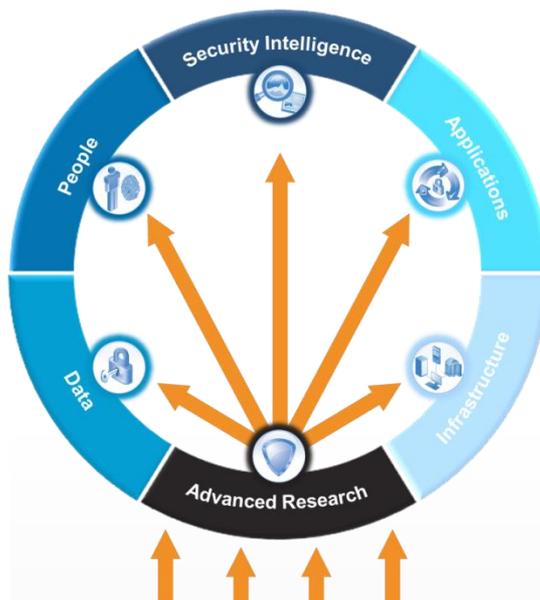
Integration: Increase security, collapse silos, and reduce complexity

Integrated Intelligence.



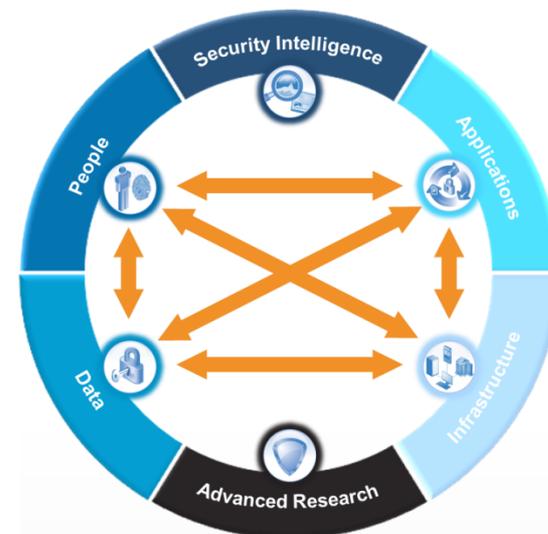
- Consolidate and correlate siloed information from hundreds of sources
- Designed to help detect, notify and respond to threats missed by other security solutions
- Automate compliance tasks and assess risks

Integrated Research.



- Stay ahead of the changing threat landscape
- Designed to help 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

IBM Security – A full range of security capabilities

Consulting Services

- 3700+ security consultants and architects
- Assess security risk and compliance, evolve security program
- **Why IBM?** Unique, practical approach based on our experience as an enterprise and service provider

Managed Services

- Globally available managed security services platform
- Manage security ops, detect and respond to emerging risk
- **Why IBM?** IBM's global coverage of security operations centers powered by unmatched cybersecurity analytics

Software Solutions

- Market leading solutions across the IBM Security Framework
- Help secure identities, data, applications, network and endpoints
- **Why IBM?** Integrated security portfolio, Cloud, mobile, threat security solutions, global threat research, and Security Intelligence

Intelligence



Integration



Expertise

Expertise: At IBM, the world is our Security lab



6,000 researchers, developers and subject matter experts working security initiatives worldwide

Collaborative IBM teams monitor and analyze the latest threats

Coverage

20,000+ devices
under contract

3,700+ managed
clients worldwide

13B+ events
managed per day

133 monitored
countries (MSS)

1,000+ security
related patents



IBM Research

Depth

14B analyzed
web pages & images

40M spam &
phishing attacks

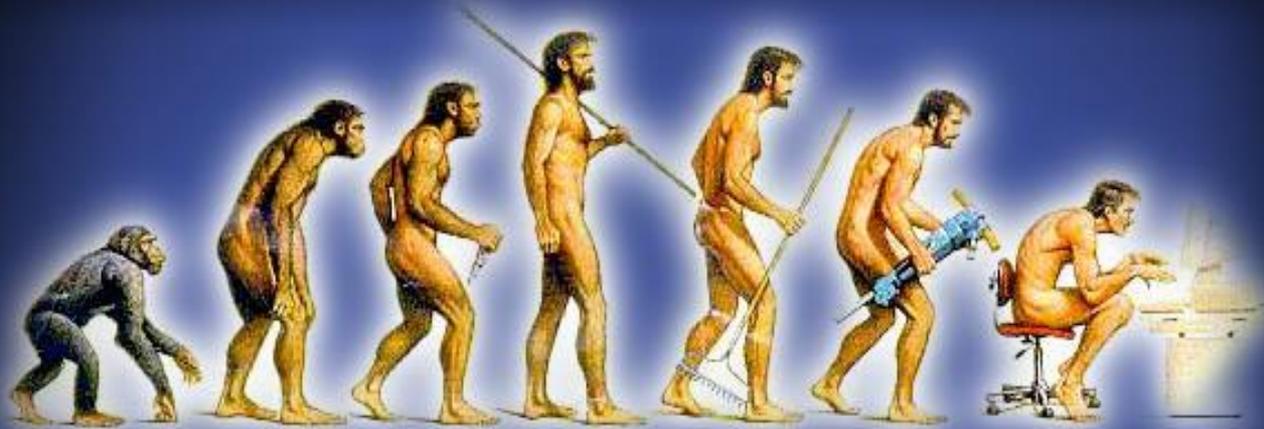
64K documented
vulnerabilities

Billions of intrusion
attempts daily

Millions of unique
malware samples



With Security Threat Evolving...



....we must also evolve our approach to anticipate change!

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