



7 Kasım 2012 - Çırağan Palace Kempinski

# IBM Connected 2012 Istanbul

Learn. Collaborate. Innovate.

## IBM SECURITY FRAMEWORK

Hakan TURGUT

IBM Security Systems Bölge Yöneticisi

Türkiye, Doğu Avrupa, Rusya ve CIS Ülkeleri



# The world is becoming more digitized and interconnected, opening the door to emerging threats and leaks...



## DATA EXPLOSION

The age of Big Data – the explosion of digital information – has arrived and is facilitated by the pervasiveness of applications accessed from everywhere



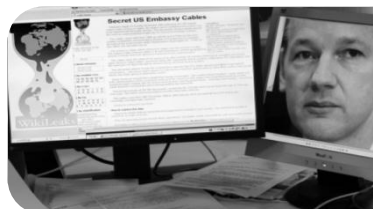
## CONSUMERIZATION OF IT

With the advent of Enterprise 2.0 and social business, the line between personal and professional hours, devices and data has disappeared



## EVERYTHING IS EVERYWHERE

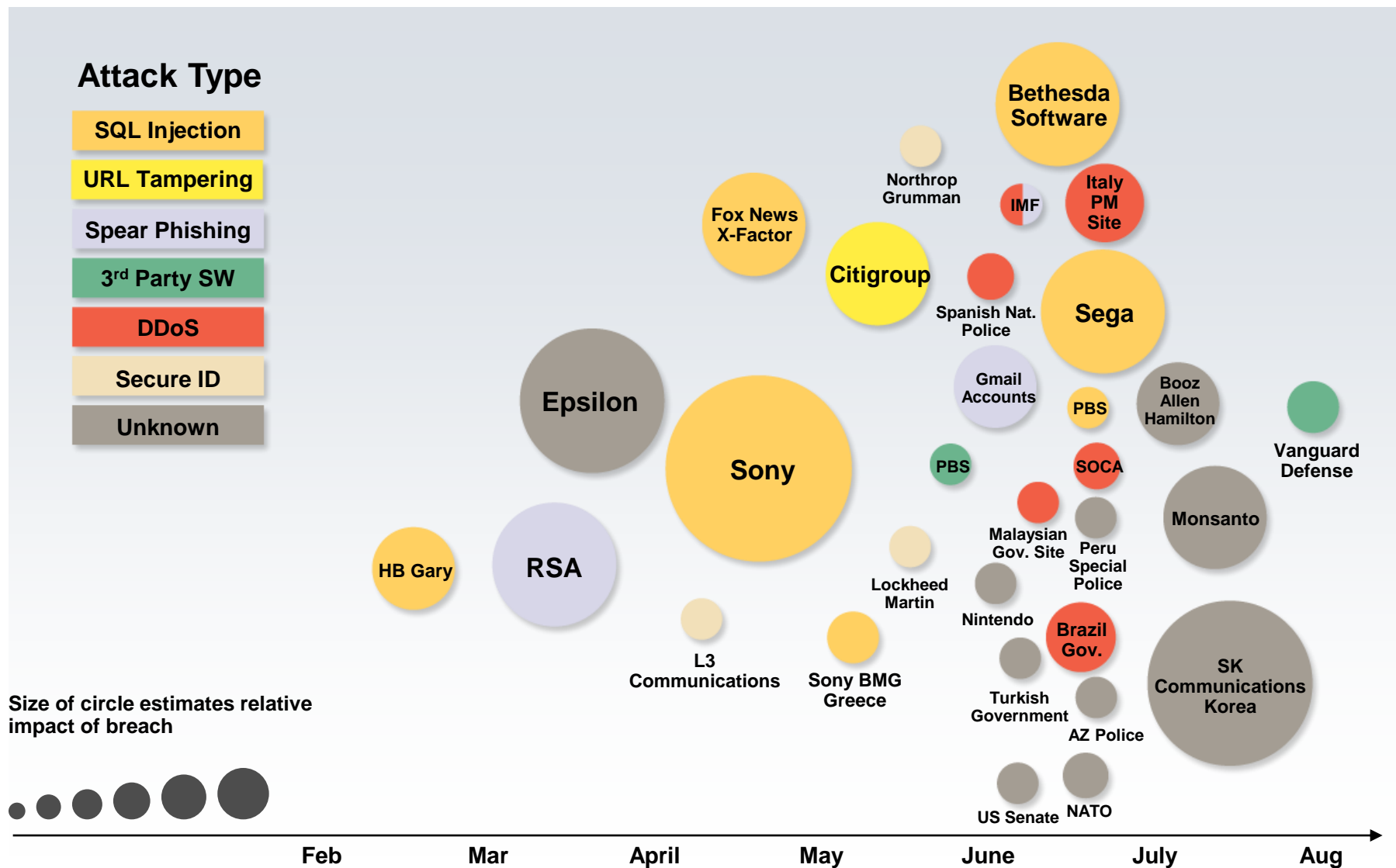
Organizations continue to move to new platforms including cloud, virtualization, mobile, social business and more



## ATTACK SOPHISTICATION

The speed and dexterity of attacks has increased coupled with new actors with new motivations from cyber crime to terrorism to state-sponsored intrusions

# Targeted Attacks Shake Businesses and Governments

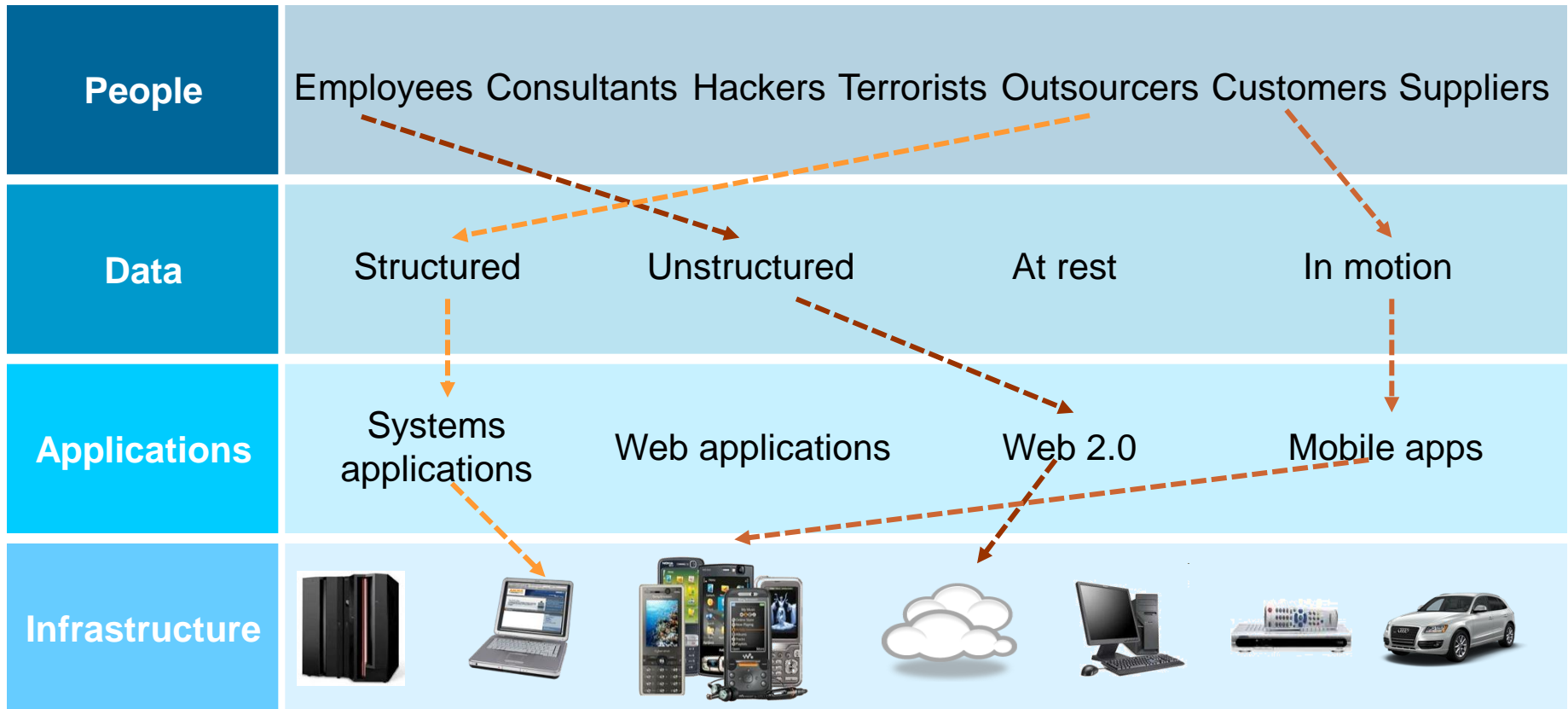


# IT Security is a board room discussion



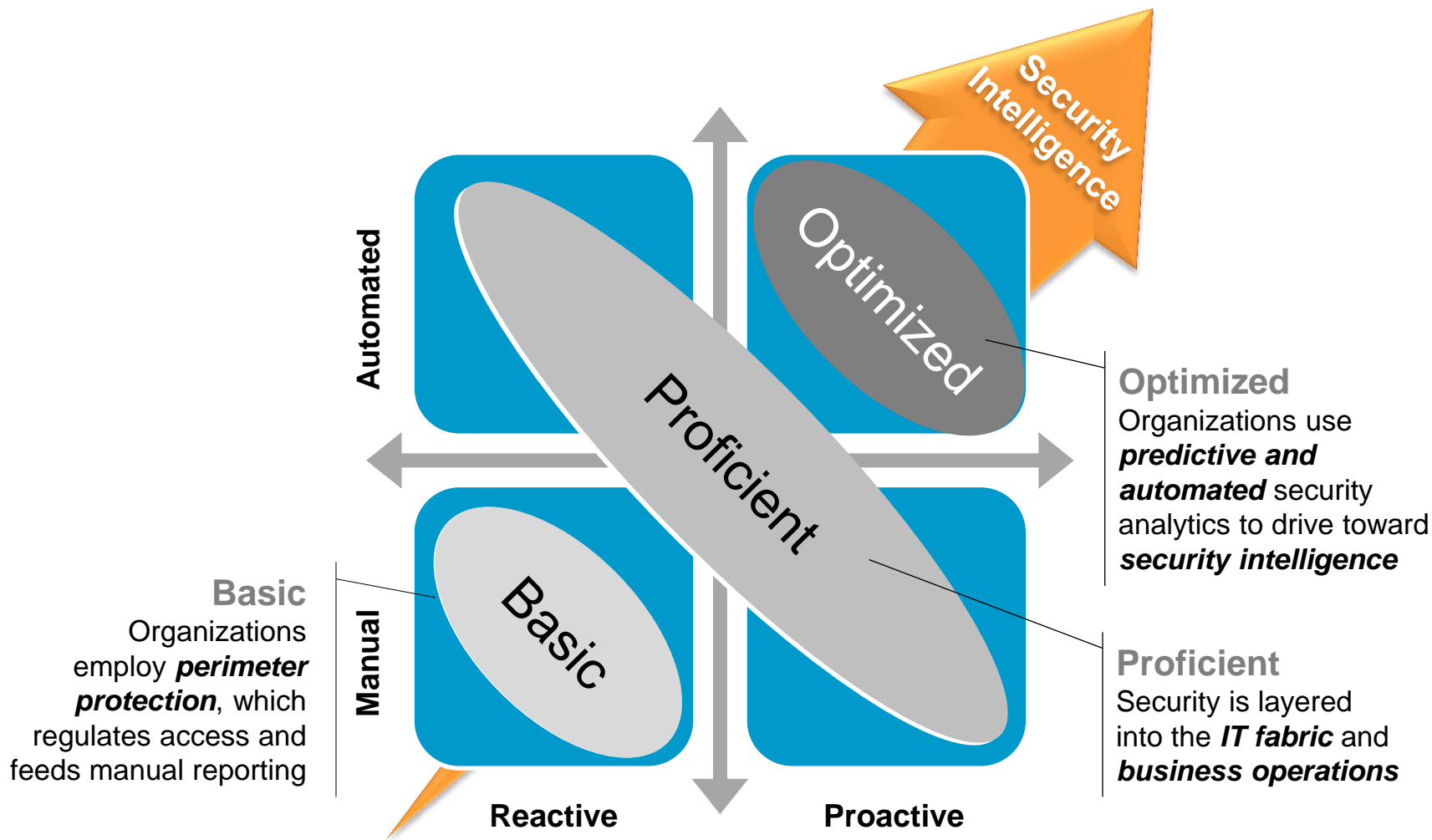
Business results	Brand image	Supply chain	Legal exposure	Impact of hacktivism	Audit risk
Sony estimates potential \$1B long term impact – \$171M / 100 customers*	HSBC data breach discloses 24K private banking customers	Epsilon breach impacts 100 national brands	TJX estimates \$150M class action settlement in release of credit / debit card info	Lulzsec 50-day hack-at-will spree impacts Nintendo, CIA, PBS, UK NHS, UK SOCA, Sony ...	Zurich Insurance PLC fined £2.275M (\$3.8M) for the loss and exposure of 46K customer records

# Solving a security issue is a complex, four-dimensional puzzle

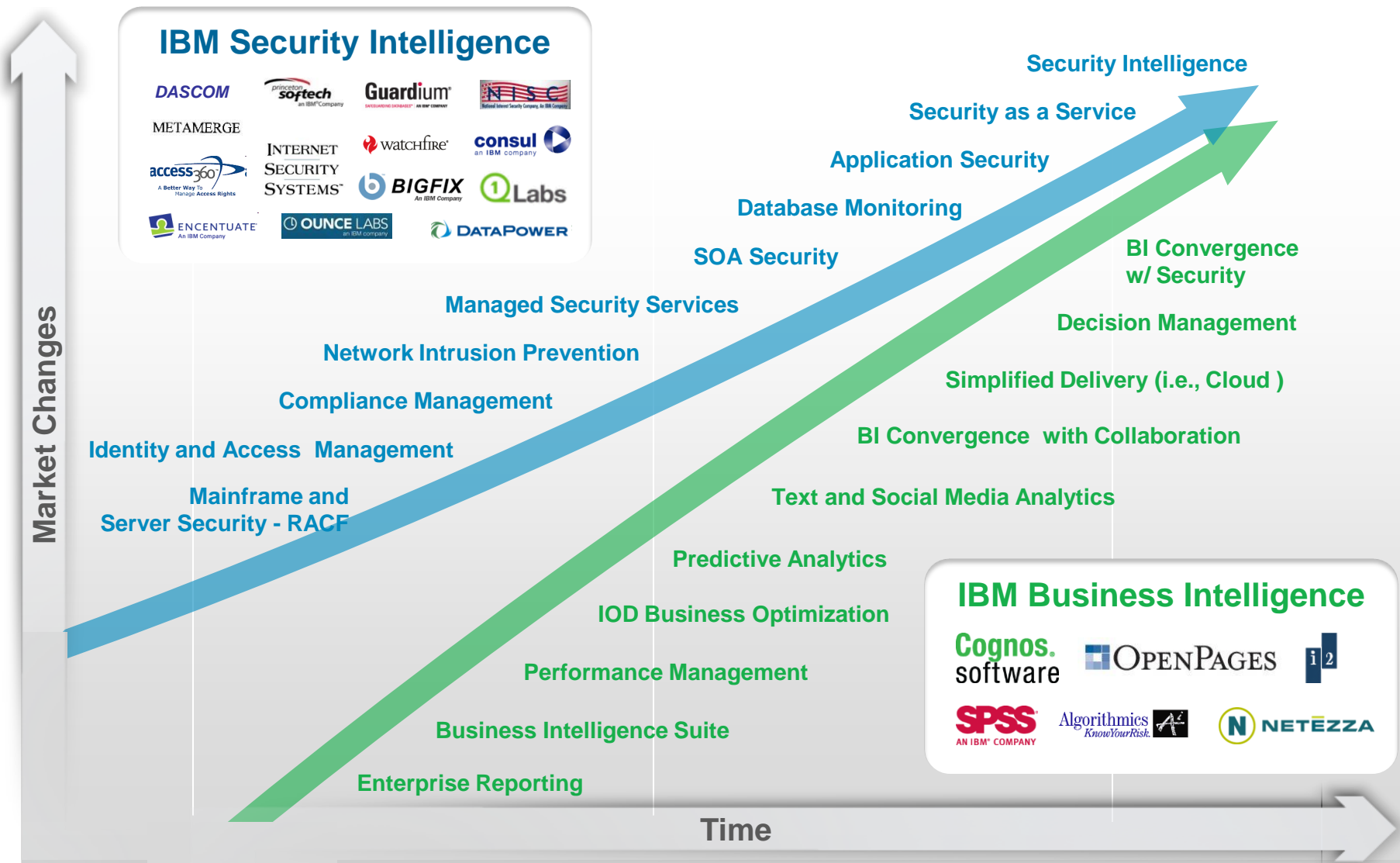


It is no longer enough to protect the perimeter – siloed point products will not secure the enterprise

In this “new normal”, organizations need an intelligent view of their security posture



# For IBM, Security and Business Intelligence offer insightful parallels



# IBM Security: Delivering intelligence, integration and expertise across a comprehensive framework

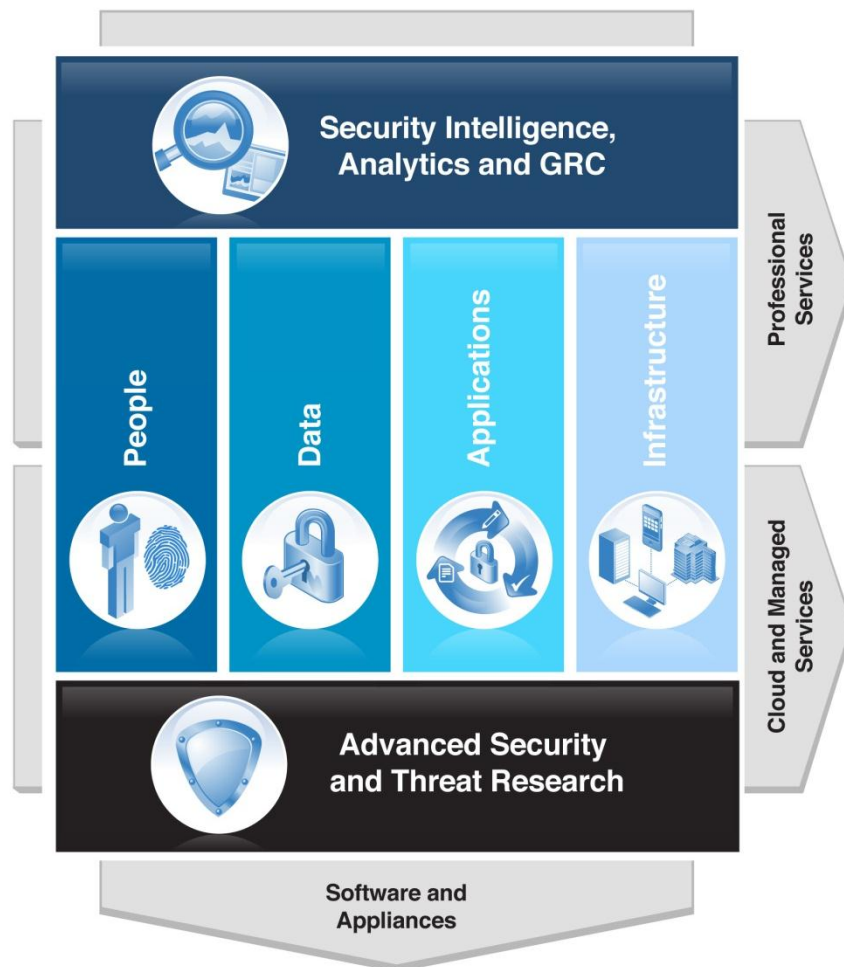


## IBM Security Systems

- Only vendor in the market with end-to-end coverage of the security foundation
- 6K+ security engineers and consultants
- Award-winning X-Force® research
- Largest vulnerability database in the industry

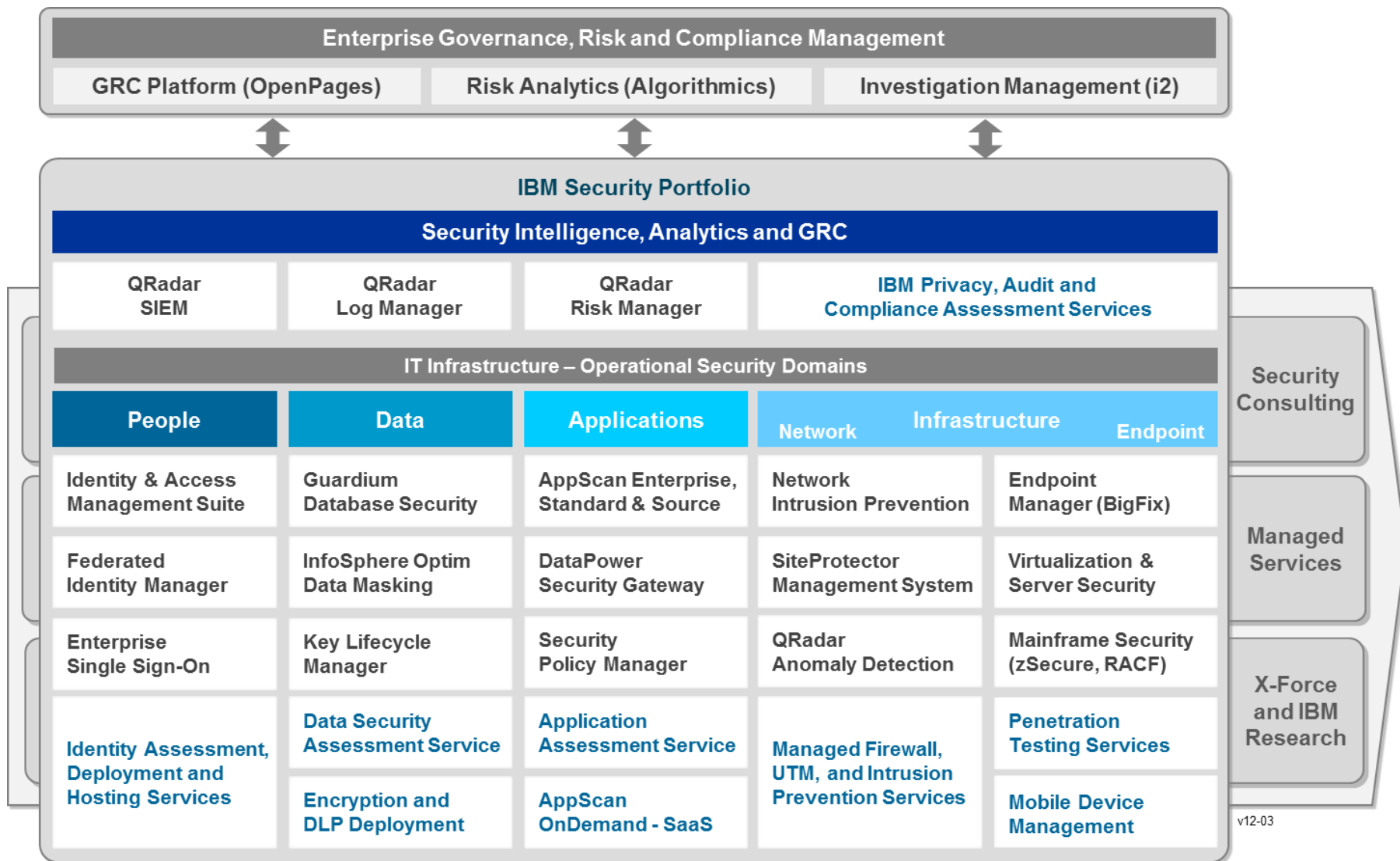
Intelligence • Integration • Expertise

## IBM Security Framework





# Intelligence: Leading products and services in every segment



Products    Services

# Analysts recognize IBM's superior products and performance

Domain	Report	Year	Recognition	Year	Recognition
Security Intelligence, Analytics and GRC	Security Information & Event Management (SIEM)	2011		2010	
	Enterprise Governance Risk & Compliance Platforms	2011		2011	
People	User Provisioning / Administration	2011			
	Role Management & Access Recertification			2011	
	Enterprise Single Sign-on (ESSO)	2011*		2010	
	Web Access Management (WAM)	2011*			
Data	Database Auditing & Real-Time Protection			2011	
Applications	Static Application Security Testing (SAST)	2010		2010	
	Dynamic Application Security Testing (DAST)	2011			
Infrastructure	Network Intrusion Prevention Systems (NIPS)	2010		2010	
	EndPoint Protection Platforms (EPP)	2010			

Challenger
 Leader
 Visionary
 Niche Player

Leader
 Strong Performer
 Contender

Leader (#1, 2, or 3 in segment)

\* Gartner MarketScope

## Integration: Increasing security, collapsing silos, and reducing complexity

### Increased Awareness and Accuracy

- Detect advanced threats with real-time intelligence correlation across security domains
- Increase situational awareness by leveraging real-time feeds of X-Force® Research and global threat intelligence across IBM security products, such as QRadar SIEM and Network Security appliances
- Conduct comprehensive incident investigations with unified identity, database, network and endpoint activity monitoring and log management

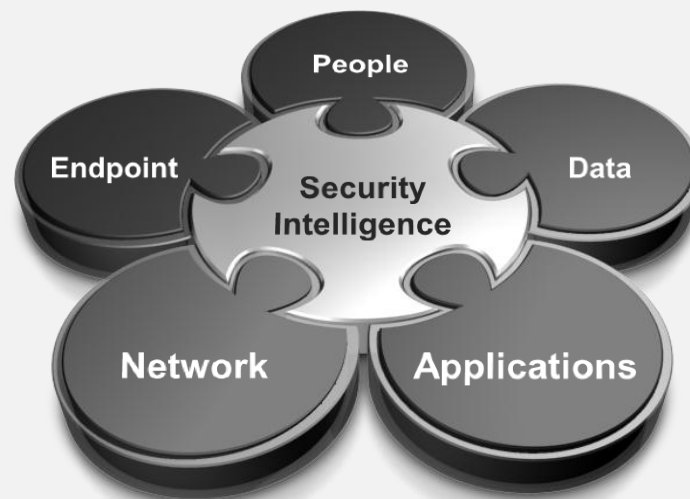
### Ease of Management

- Simplify risk management and decision-making with automated reporting through a unified console
- Enhance auditing and access capabilities by sharing Identity context across multiple IBM security products
- Build automated, customized application protection policies by feeding AppScan results into IBM Network Intrusion Prevention Systems

### Reduced Cost and Complexity

- Deliver fast deployment, increased value and lower TCO by working with a single strategic partner

**Think Integrated.**



# Expertise: Unmatched global coverage and security awareness



**IBM Research**

**IBM Institute for Advanced Security**  
Enabling cybersecurity innovation and collaboration

10B analyzed Web pages & images  
150M intrusion attempts daily  
40M spam & phishing attacks  
46K documented vulnerabilities  
Millions of unique malware samples



**World Wide Managed Security Services Coverage**

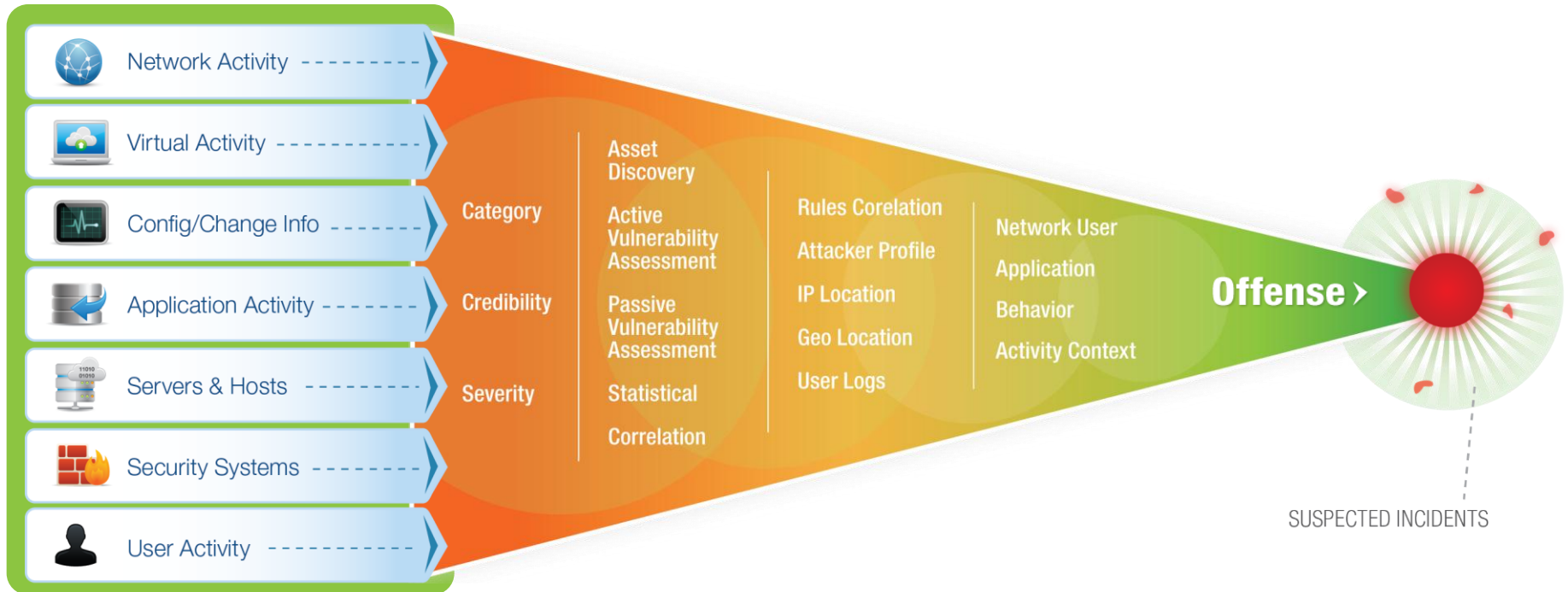
- 20,000+ devices under contract
- 3,700+ MSS clients worldwide
- 9B+ events managed per day
- 1,000+ security patents
- 133 monitored countries (MSS)



**How is IBM solving complex security challenges?**

# Data Explosion

IBM is integrating across IT silos with Security Intelligence solutions



Sources + Intelligence = Most Accurate & Actionable Insight

## Solving complex problems that point solutions cannot



**Improving threat detection**

Discovered 500 hosts with “Here You Have” virus, which all other security products missed



**Consolidating data silos**

2 billion log and events per day reduced to 25 high priority offenses



**Predicting risks against your business**

Automating the policy monitoring and evaluation process for configuration changes in the infrastructure



**Addressing regulatory mandates**

Real-time monitoring of all network activity, in addition to PCI mandates

## Consumerization of IT

*IBM is converging traditional endpoint and mobile security management into a single solution with complementary services*

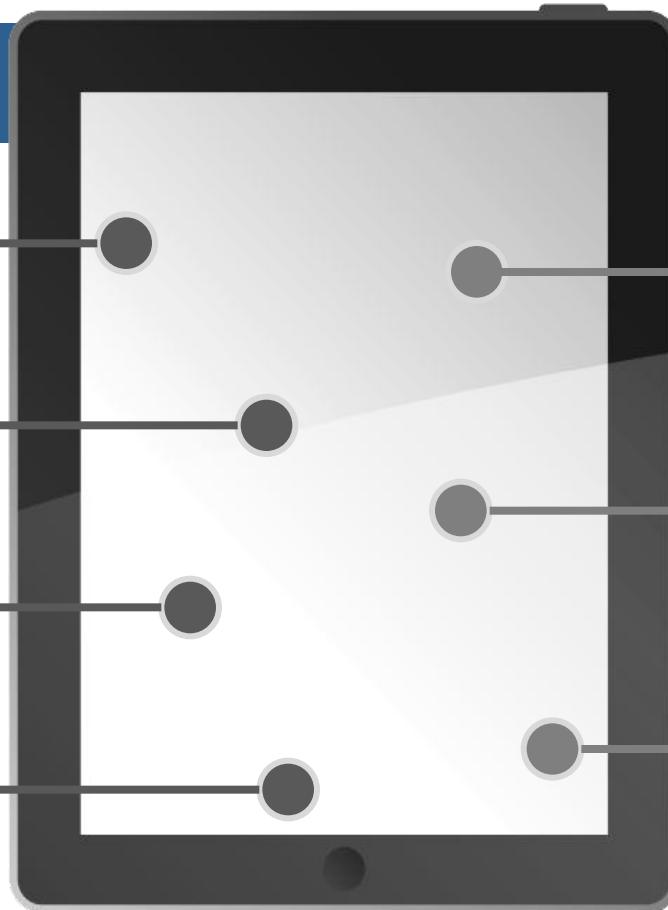
### IBM Mobile Security Software

Device Inventory

Security Policy Management

Device and Data Wipe

Anti-Jailbreak and Anti-Root



### IBM Mobile Security Services

Lifecycle Management  
Mobile Enterprise Services (MES)

Endpoint Management  
Hosted Mobile Device Security Management

Secure Connectivity  
Secure Enterprise Smartphone and Tablets



## Allowing organizations to innovate with confidence



### Significantly Reducing Costs

Saved on deployment time (400K users in <6 months) and management costs while helping to achieve compliance with IBM's end user device IT security policies (95% of patches applied within 24 hours)



### Time-to-Value & Performance Improvements

Deployed Tivoli Endpoint Manager to 1K endpoints in days, reduced the software update and patching process from 20 to 1 person, remediation time from weeks to hours, and call volumes from 100 to less than 20 calls per day

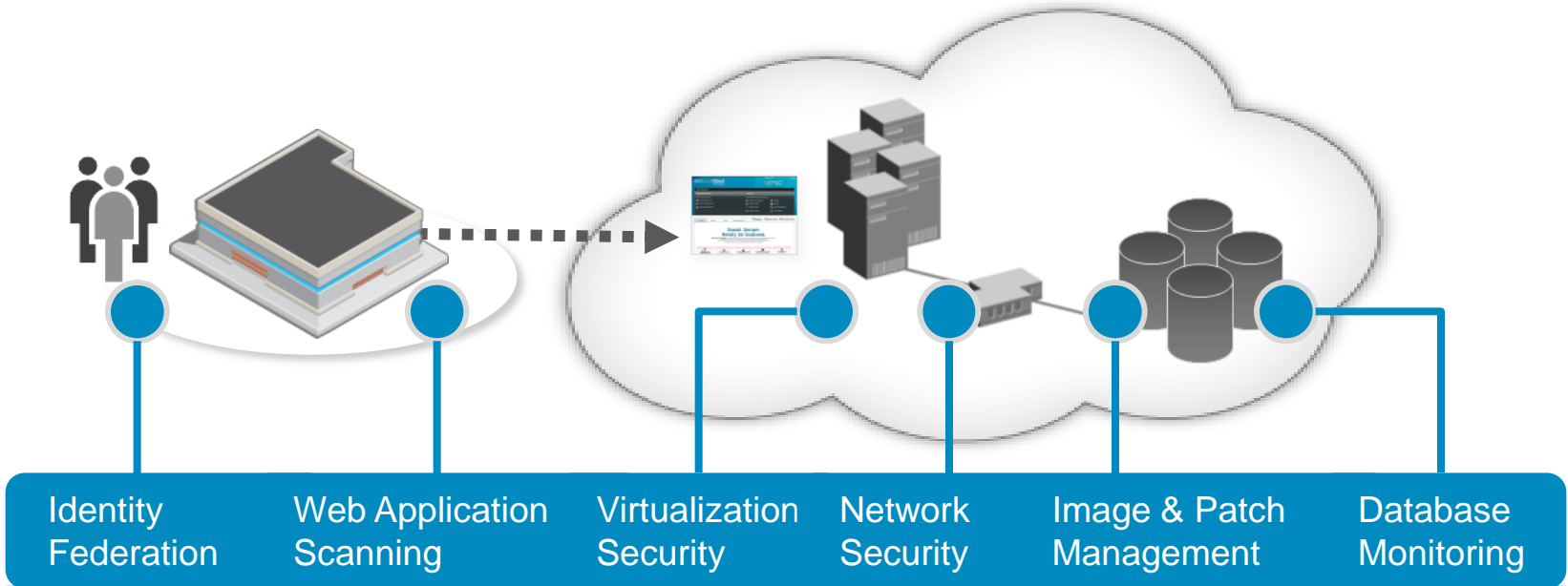


### Ecosystem Value Creation

Combining power, patch and lifecycle management along with security and compliance, Fiberlink was able to grow its cloud-based, mobile device management business by 25% annually over the last 5 years

# Everything is Everywhere

*IBM is helping clients adopt cloud with flexible, layered security solutions*



## IBM Security Intelligence



## Enabling security for new business models and delivery methods

**European  
Energy  
Company**

**Worldwide  
access to SaaS  
applications**

Enabled security for access to public SaaS applications – including Google Apps and Salesforce.com – using cloud-enabled federation



**Best-in-class  
security for a  
cloud provider**

Integrated security in a multi-tenant Infrastructure-as-a-Service environment using flexible, virtualized security managed from the cloud

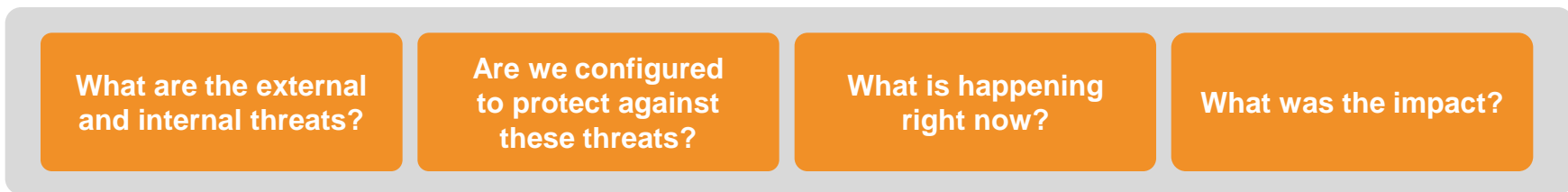


**Rapid Identity  
solution  
deployment**

Delivered identity and access management capabilities quickly and easily using a SaaS-deployed Tivoli solution

# Attack Sophistication

IBM is helping clients combat advanced threats with pre- and post-exploit intelligence and action



## Pre-Exploit

## Post-Exploit

### Prediction & Prevention

### Reaction & Remediation

Risk Management. Vulnerability Management.  
Configuration and Patch Management.  
X-Force Research and Threat Intelligence.  
Compliance Management. Reporting and Scorecards.

Network and Host Intrusion Prevention.  
Network Anomaly Detection. Packet Forensics.  
Database Activity Monitoring. Data Leak Prevention.  
SIEM. Log Management. Incident Response.



IBM Security Intelligence



## Identifying and protecting against sophisticated attacks

Gruppo Intergea



**Securing across  
the enterprise  
ecosystem**

Deployed solutions to identify threats and vulnerabilities with protection across the entire infrastructure – from network to desktops in the customers' showrooms and remote offices

**Luxury  
Brand  
Retailer**

**Detecting  
insider fraud**

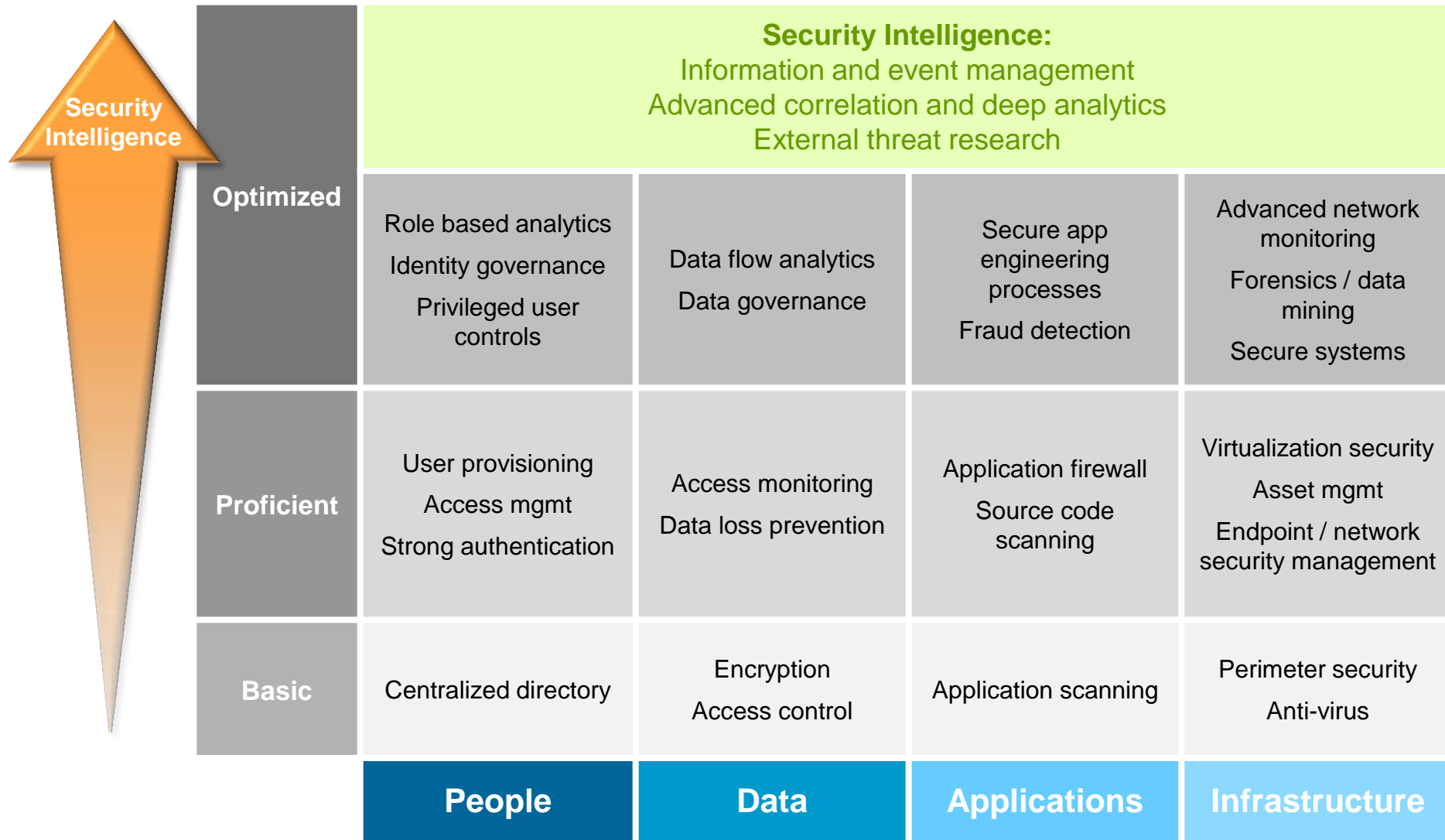
Cross-correlated identity, access, and application data to identify trusted insider stealing and destroying key data



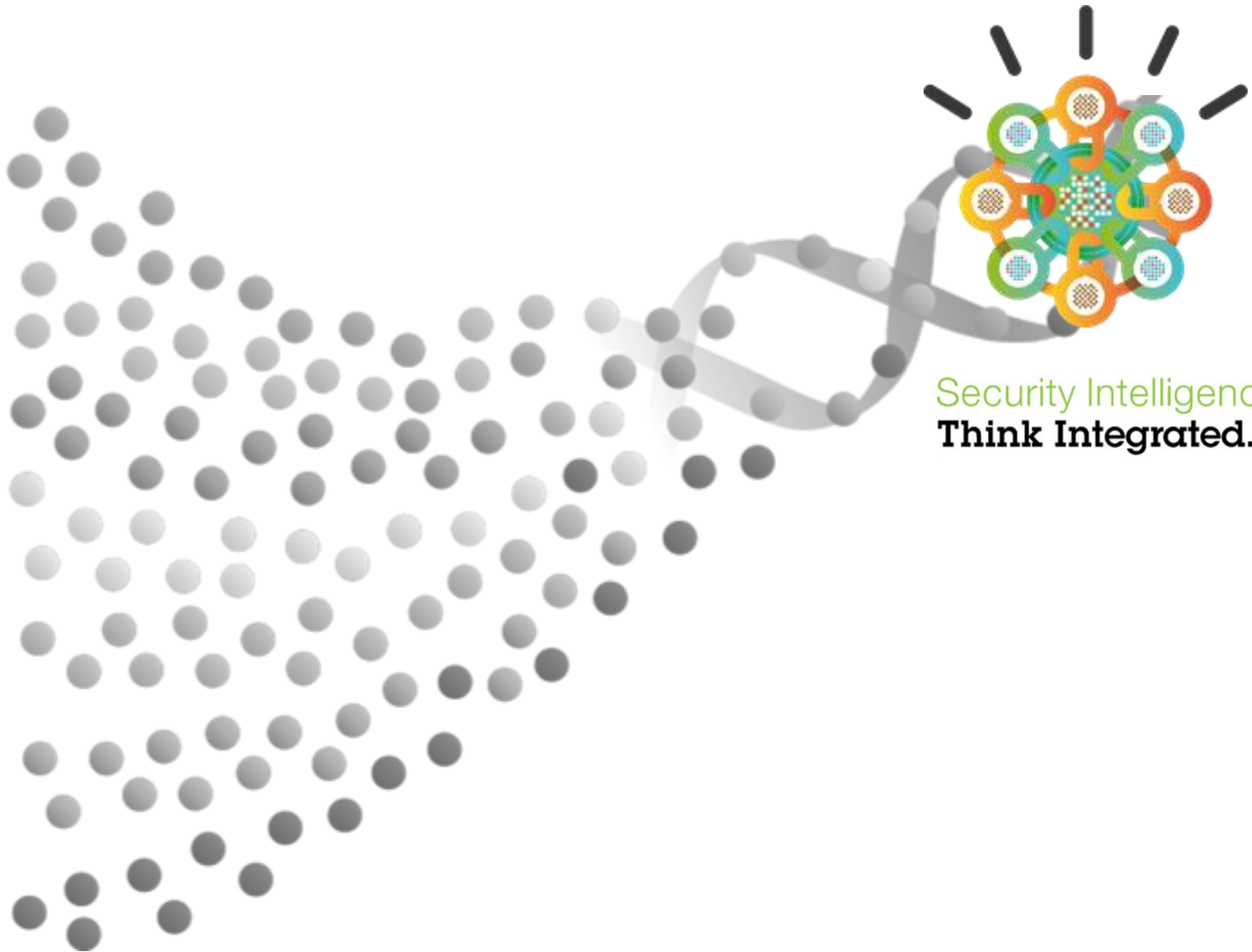
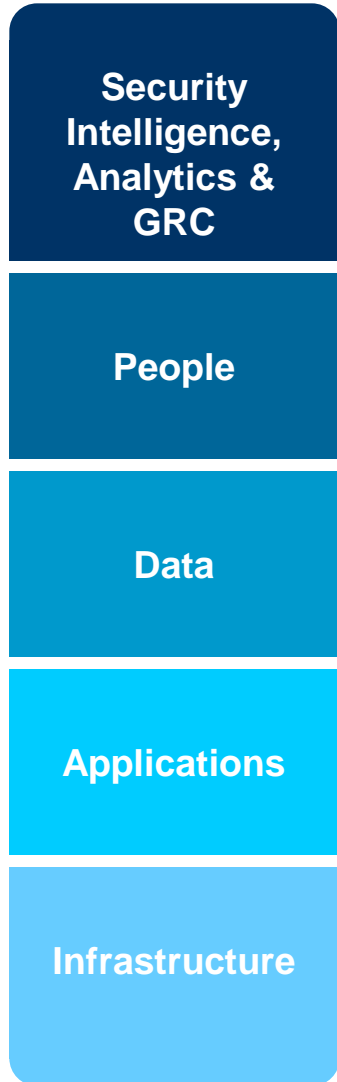
**End-to-end  
monitoring and  
managed protection  
services**

Outsourced security management for critical credit card holding systems (318 network devices and servers), security-event log monitoring and reporting through a SaaS-based customer portal to detect and prevent attacks

# Security Intelligence is enabling progress to optimized security



# Intelligent solutions provide the DNA to secure a Smarter Planet



Security Intelligence.  
**Think Integrated.**



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