



Agenda

09:55 - 10:00	Introductions and welcome	Omar/Predrag
10:00-10:45	Keynote - IBM Security Solutions, Enabling Business while Mitigating Risk	Martin
10:45-12:15	Business and Technical Insights into Identity, Access and Federation Solutions	Abdul
12:15-14:00	Lunch	
14:00-15:30	Security Information and Event Management the next hot area in security?	Martin
15:30-15:45	Break	
15:45-16:15	Improving Application security, compliance and development process	Martin



Enabling Business while Mitigating Risks

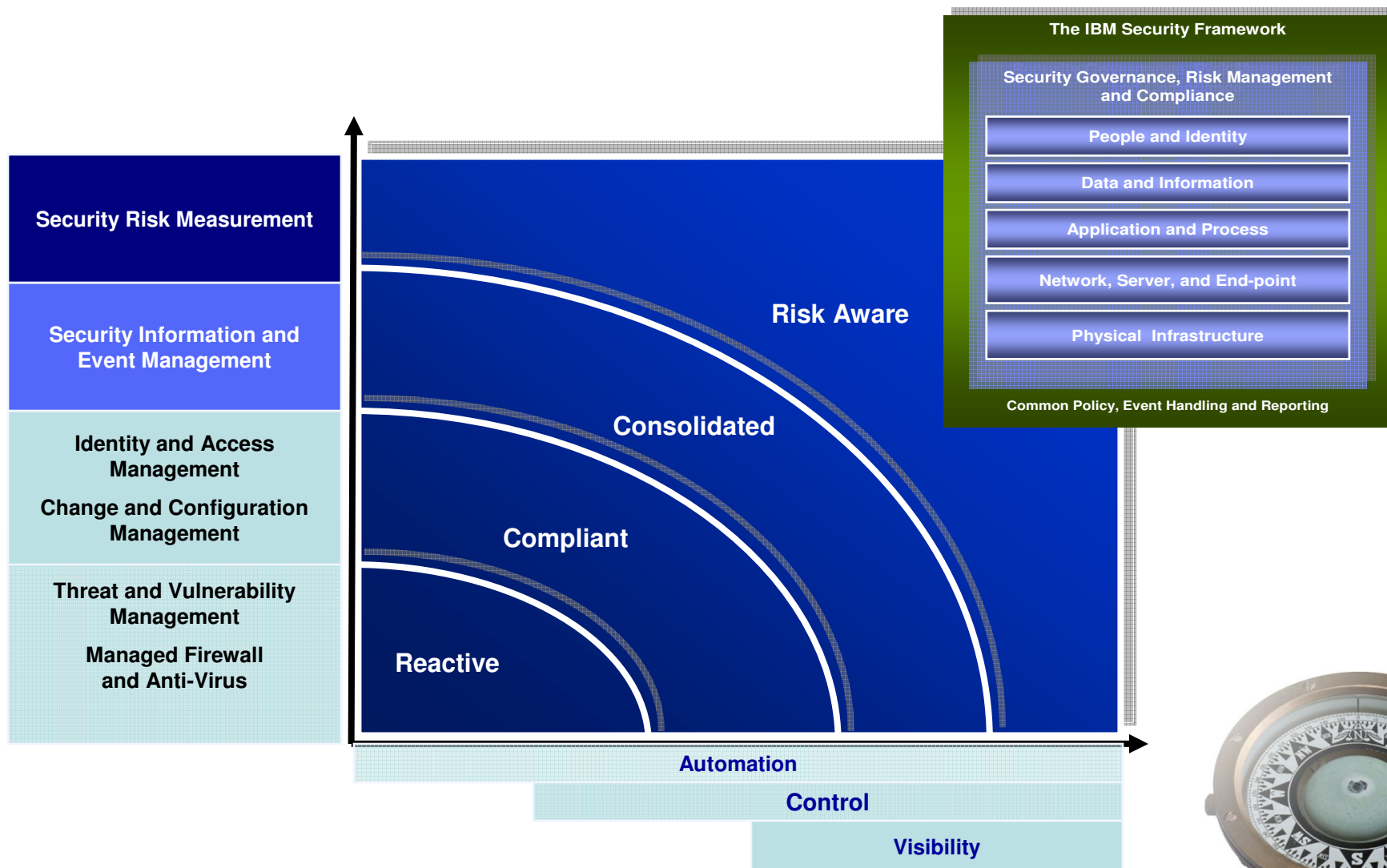
Martin Borrett
Lead Security Architect
Technical Staff Member
NE Europe
IBM SWG



IBM Governance and Risk Management 
Business alignment, visibility and control

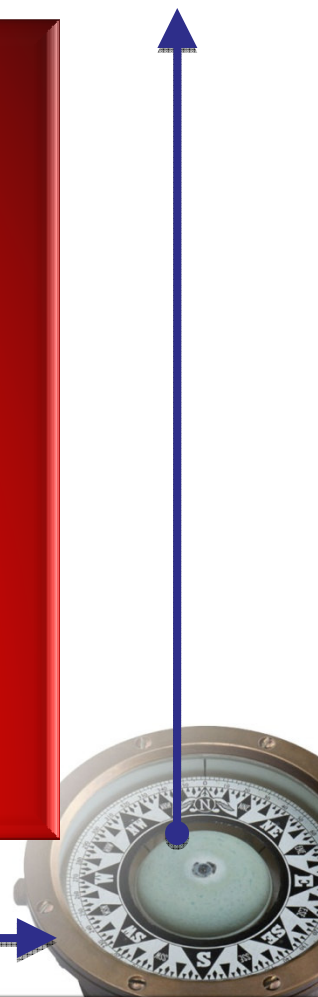


ISM – From reactive security to risk aware enterprise





Risk Management





Risk Management – Maturity enablement





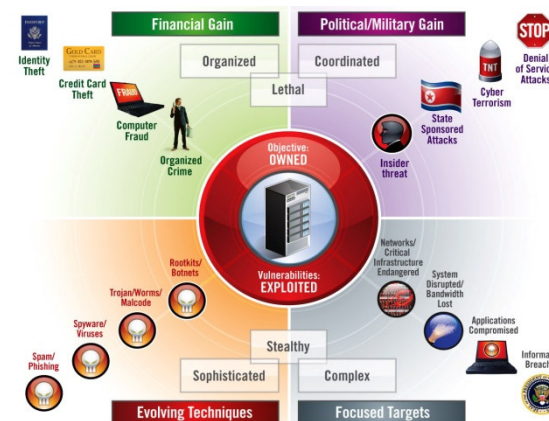
Information Security from an Operational Risk viewpoint

External attacks

- Extremely high likelihood (honeypot...)
- Impact remains at the nuisance level (viruses, relay...)
- From time to time, successful hacking
 - Much less likely
 - Much higher impact (cost, reputation...)

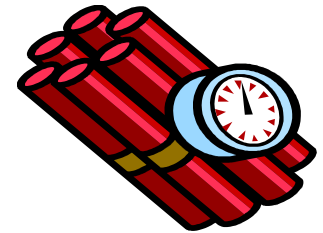
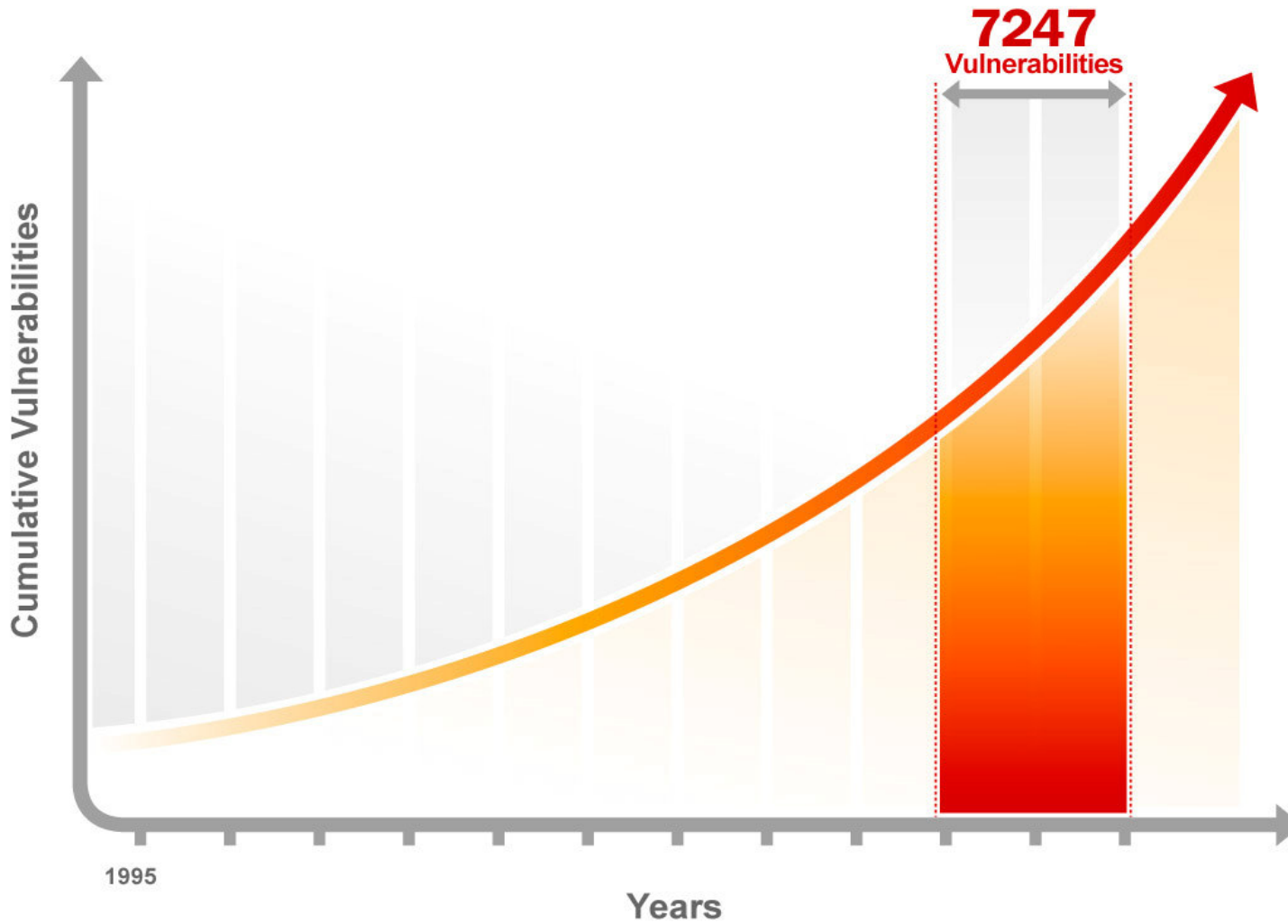
Internal attacks

- Likelihood directly depends on the corporate policy & controls
- Impact is high





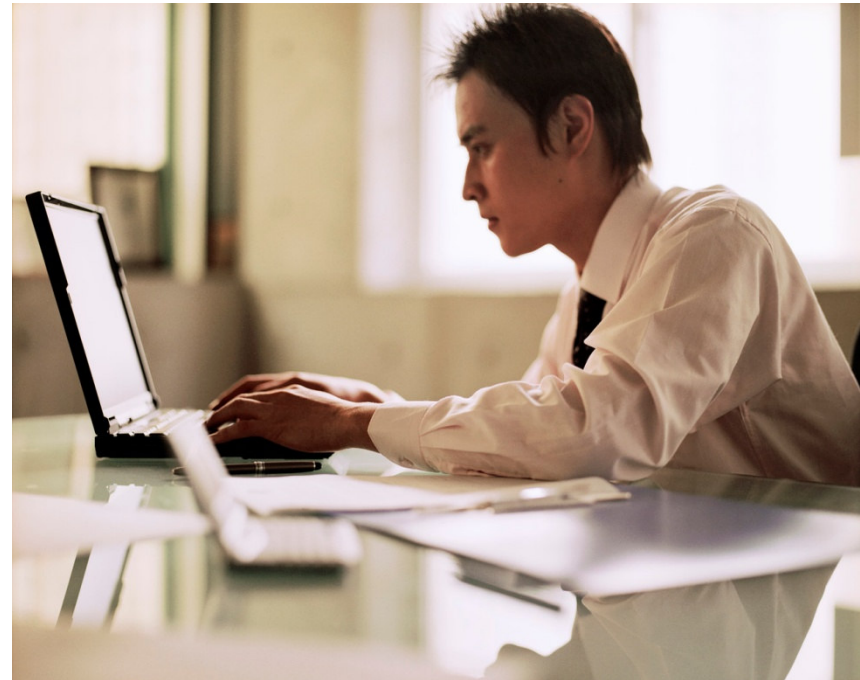
Vulnerability Disclosure in 2007





A little Story....

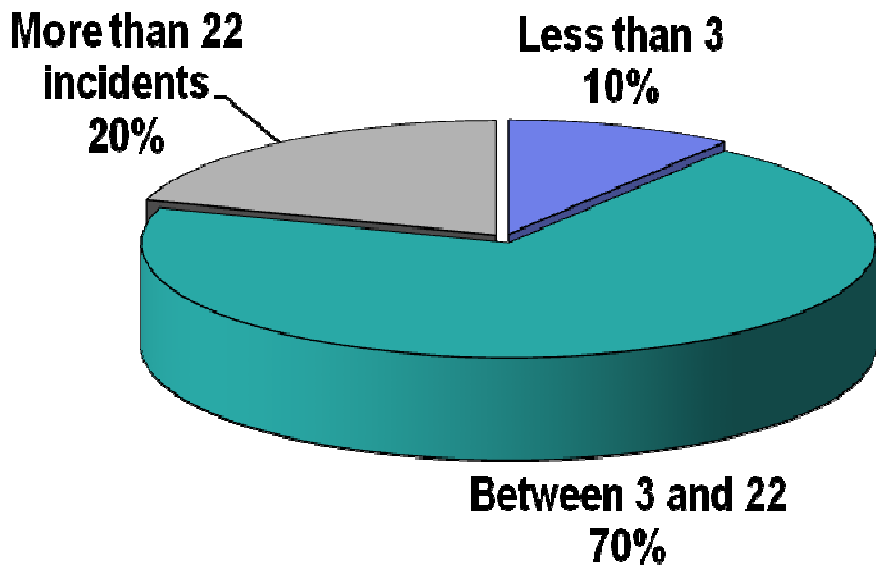
John is a
good
employee...





Maturing Information Security to the next Level

Breaches of sensitive business data in past year:



Source: 2006 survey by the IT Policy Compliance Group





Known People (un) Intentionally Do Great Harm

87% of insider incidents are caused by privileged or technical users

Many are inadvertent violations of:

- Change management process
- Acceptable use policy

Others are deliberate, due to:

- Revenge (84%)
- "Negative events" (92%)

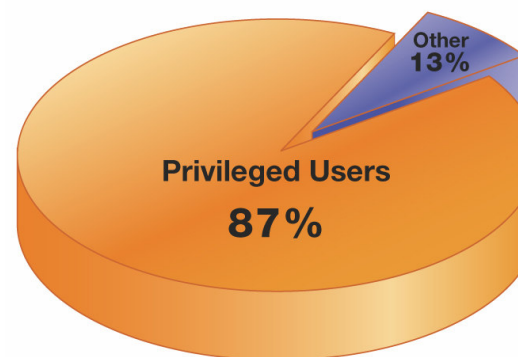
Regardless, too costly to ignore:

- Internal attacks cost 6% of gross annual revenue
- Costing \$400 billion in the US alone

Sources: Forrester research, IdM Trends 2006
USSS/CERT Insider Threat Survey 2005; CSI/FBI Survey, 2005 National Fraud Survey; CERT, various documents.

Who Causes Internal Incidents?

Who Causes Internal Incidents?



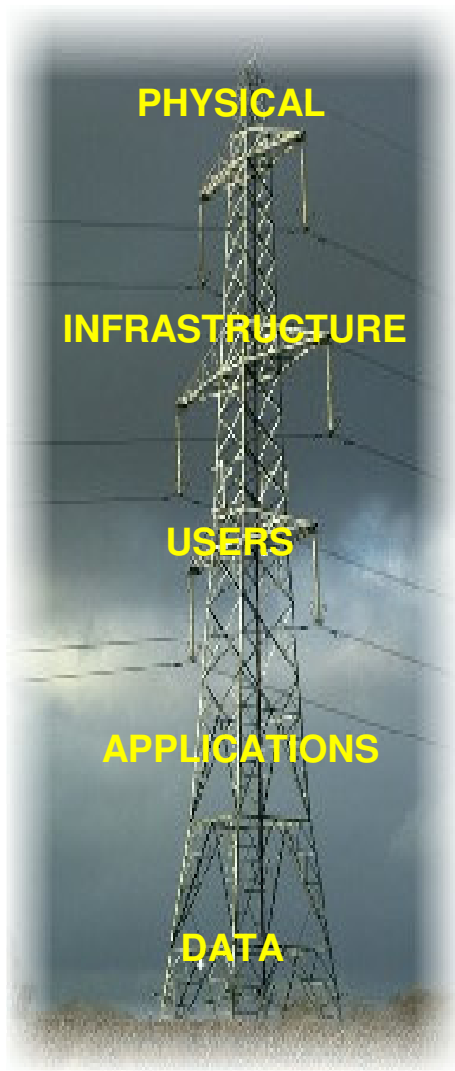
Source: USSS/CERT Insider Threat Survey 2005

Who are they?

- Male
- 17-60 Years Old
- 87% technical positions
- About half married
- Variety of racial and ethnic backgrounds



Business Challenges – the Simple View



Network Security

- Primarily addresses **security threats**

Business Security

- Primarily addresses:
 - Who can come in?
 - What can they do?
 - Can I easily prove it to an auditor?

The right people have the right access for the right reason

... And can prove it...





IBM Service Management (ISM) *An Integrated Approach to Getting Business Results*

Visibility

**See
your
business**



**Only IBM delivers
integrated
visibility across
Business & IT
Audiences.**

e.g. Sensitive Data Access
Dashboard and Alerting

Control

**Govern
your
assets**



**Only IBM delivers
integrated control
across Business &
IT Assets.**

e.g. Consistent Processes
for User Access to
Business Applications

Automation

**Build
agility into
Operations**



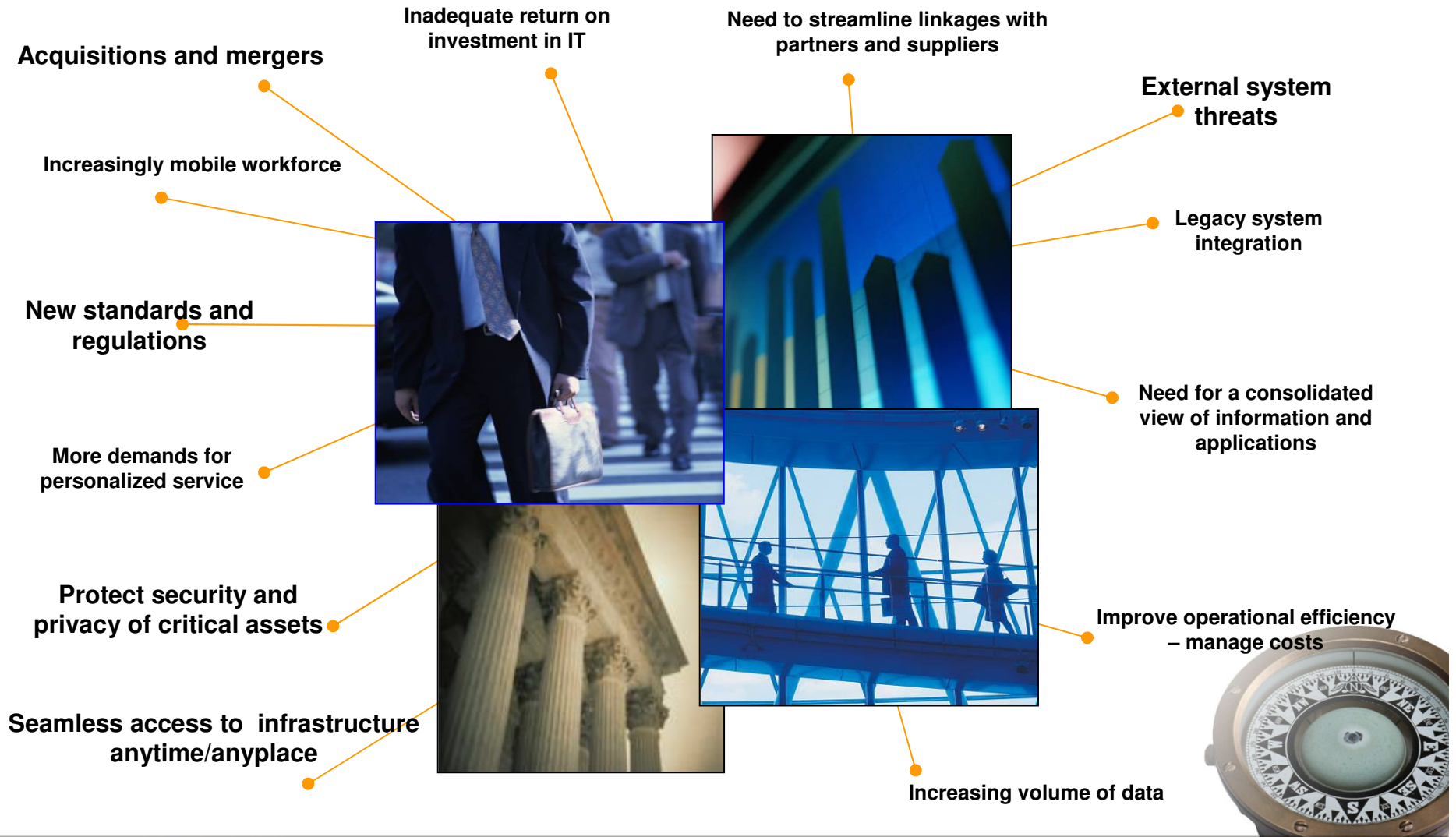
**Only IBM delivers
integrated
automation
across Business
& IT Operations.**

e.g. Automated Processes
for User Account
Provisioning and Removal





Business Challenges - Sound Familiar?





The IBM Security Framework

on-demand protection to stay ahead of outsider and insider threats

IBM Security Solutions

The IBM Security Framework

Security Governance, Risk Management
and Compliance

People and Identity

Data and Information

Application and Process

Network, Server, and End-point

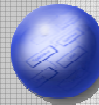
Physical Infrastructure

Common Policy, Event Handling and Reporting



SECURITY COMPLIANCE

- Demonstrable policy enforcement aligned to regulations, standards, laws, agreements (PCI, FISMA, etc..)



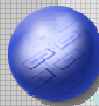
IDENTITY & ACCESS

- Enable secure collaboration with internal and external users with controlled and secure access to information, applications and assets



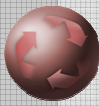
DATA SECURITY

- Protect and secure your data and information assets



APPLICATION SECURITY

- Continuously manage, monitor and audit application security



INFRASTRUCTURE SECURITY

- Comprehensive threat and vulnerability management across networks, servers and end-points

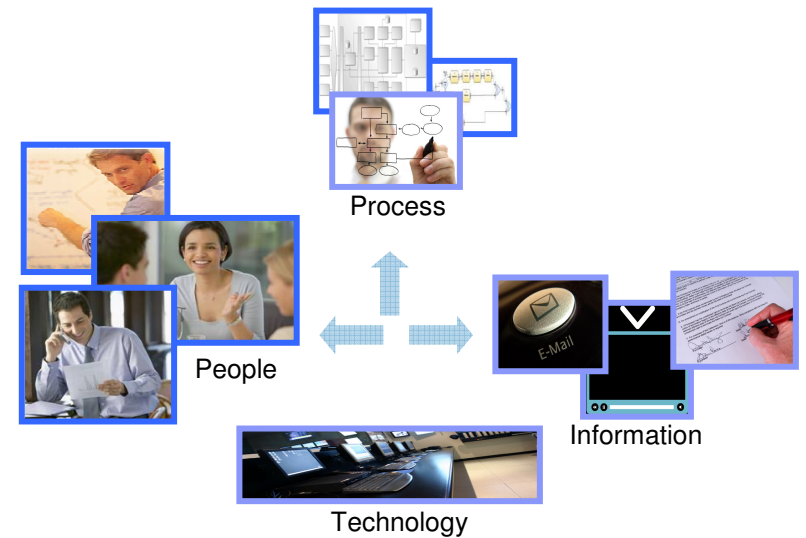




IBM Security Solutions

Designed and delivered to meet your needs....

...no matter where the risk resides





PSS	MSS	H/S
Gov Risk Comp		
IAM		
Info and Data		
Application		
Threat and VM		
Physical		

IBM Security Solutions

Security Governance, Risk & Compliance

“How can I build management systems to allow me to assess and view the security posture of my network”?

“How can I develop a comprehensive governance program that allows me to automate our ability to meet compliance regulations”?

“How do I manage and control IT policy according to business priorities while controlling costs”?

Professional Security Services

Managed Security Services

Security Hardware and Software

IBM Security Governance, Risk & Compliance Solutions

Compliance solutions provide visibility into the organization's security compliance posture through automated, enterprise-wide user activity monitoring

Security risk management solutions analyze information assets and associated threats and identify security risks related to those assets

Infrastructure hardware and software solutions enable organizations to facilitate security compliance, monitor and audit incidents and automate routine administrative tasks for the mainframe.





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IBM Security Solutions

Identity and Access Management

Professional Security Services

Managed Security Services

Security Hardware and Software

IBM Identity and Access Management Solutions

Identity assessment and strategy solutions give organizations an understanding the state of their identity management environment

Identity provisioning solutions bring users, systems and applications online fast, while effectively managing users, access rights and privacy preferences throughout the identity lifecycle

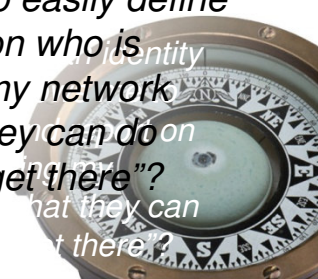
Identity lifecycle management provides user provisioning and identity credential management as well as monitoring, correlation and ability to respond to security incidents

Analytics solutions assist organizations recognize who exactly they are doing business with in context of business applications in use.

“How do I manage in-boarding and off-boarding of a highly dynamic work force with limited skills and shrinking budgets”?

“How do I improve collaboration among customers, suppliers, and my partners”?

“How can I build an identity solution that allows me to easily define and report on who is accessing my network and what they can do on when they get there”?





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IBM Security Solutions

Information and Data Security

“How do I find out where my sensitive information exists within my expanding perimeter”

“How do I protect the volumes of information flowing within my network to make sure the value it represents is safeguarded from misuse and abuse”?

“How can I implement a comprehensive data security solution with a limited security staff and little expertise”?

Professional Services

Managed Security Services

Security Hardware and Software

IBM Information and Data Security Solutions

Information security assessments and workshops help organizations identify where sensitive data and applications exist and assists in building comprehensive plans to prevent data misuse

User Activity monitoring providing visibility to potential risks associated with the security of information in use and identifying insider attacks.

Data Leakage solutions safeguard enterprise information from inadvertently leaving the network

Endpoint protection solutions protect information on sources such as notebooks, personal digital assistants (PDAs), and removable media





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IBM Security Solutions

Application Security Lifecycle Management

“What steps should I take to ensure the critical applications I run my business are safe from threats”?

“How can I protect my SOA environment from vulnerabilities and other threats”?

“How can I ensure that the e-business applications my customers use are safe from threats”?

Professional Security Services

Managed Security Services

Security Hardware and Software

IBM Application Security Lifecycle Management Solutions

Application integrity solutions manages network traffic to help improve overall security posture and promote corporate guidelines

Website auditing solutions automate manual processes in identifying and prioritizing website security issues for immediate resolution.

Security Solutions designed to harness the power of Service Oriented Architectures (SOA) while simultaneously enabling ability to leverage the value of existing application, security, messaging, and networking infrastructure investments.





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IBM Security Solutions

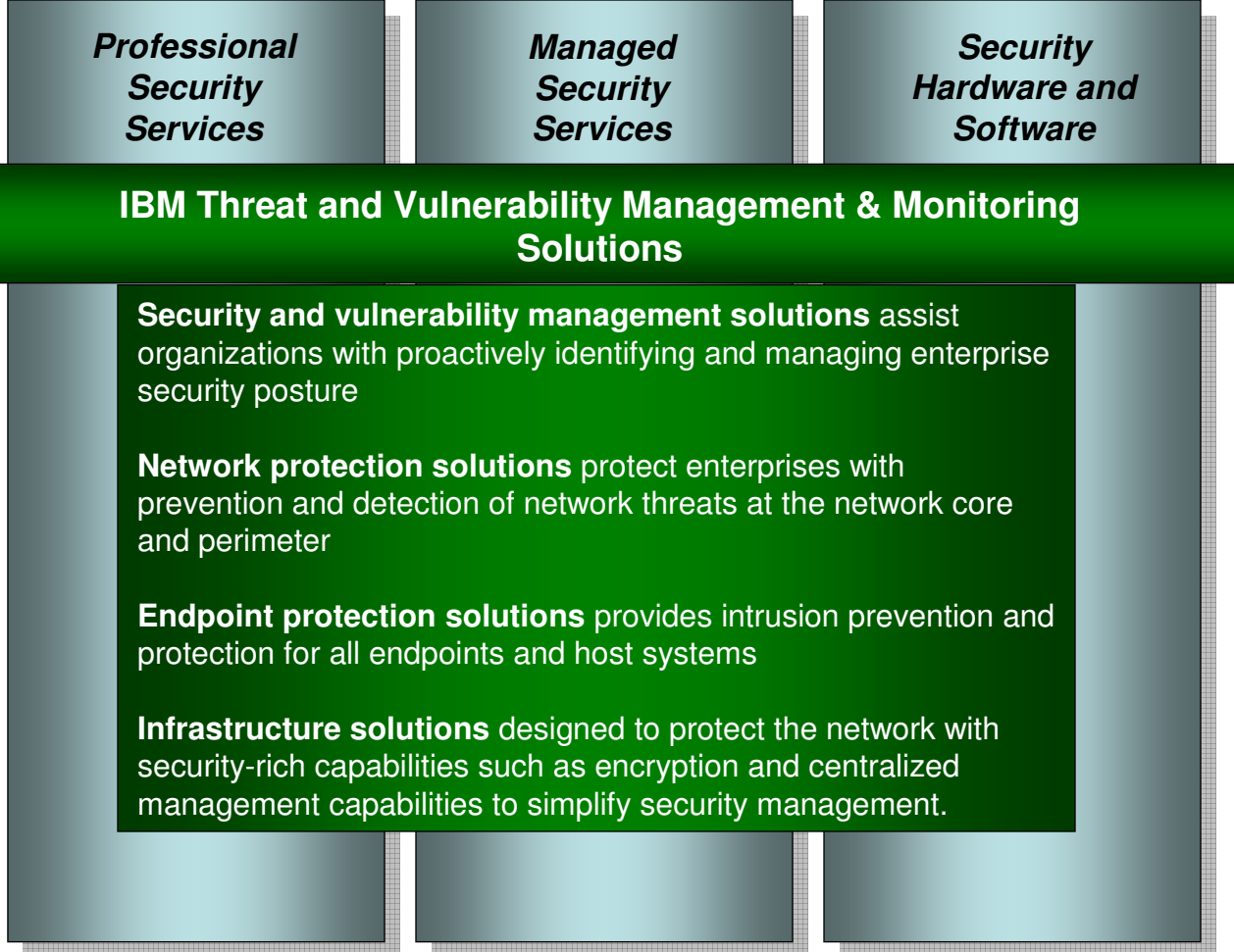
Threat and Vulnerability Management and Monitoring

“How can I identify vulnerabilities in my network and protect myself from threats to those vulnerabilities”?

“How do I defend my network from unwanted intrusions”?

“How do I keep my organization protected from criminals who make their livings infiltrating networks”?

“How do I stay ahead of the game when it comes to new network threats from viruses and vulnerabilities”?





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IBM Security Solutions

Physical Security

Professional Security Services

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Security Hardware and Software

IBM Physical Security Solutions

Site Security assessments provide in-depth reviews of the site security controls and processes at a site or enterprise

Integrated video surveillance and security solutions enable viewing, monitoring and digital recording of activity throughout the environment

Surveillance systems monitor space in real time and enables real time alerts and content based searching

“How can I ensure the physical assets in my organization are protected from security threats?”

“How can I get a centralized management system that allows me to monitor all my physical assets?”

“How can I develop a system that allows me to quickly respond to potential physical threats?”

“How can I provide a cost effective yet comprehensive physical security program for public safety?”





IBM security – a legacy of recognition as a leader



Wave: User Account Provisioning (TIM)

Leader



Wave: Enterprise Security Information Management (TCIM)

Leader

Gartner



MQ: User Provisioning (TIM)

Leader

Gartner



MQ: Web Access Management (TAM, FIM)

Leader

Gartner



MQ: ISS Network Security, Firewalls and Managed Services

Leader

Gartner



MQ: Security Information & Event Management (TSOM, TCIM)

Challenger

Gartner



MQ: Enterprise Single Sign-On (Encentuate)

Challenger

Gartner



Marketshare Web Access Management, Worldwide, 2005 (FIM, TAM)

Ranked #1

Gartner



Marketshare: Application Security Vulnerability Scanning, 2006 (Rational AppScan)

Ranked #1



Identity Management (TIM , TAM, FIM, TDI, TDS)

Ranked #1



Managed Security ServicesMarketshare

Ranked #1



Marketshare: Identity and Access Management

Ranked #1



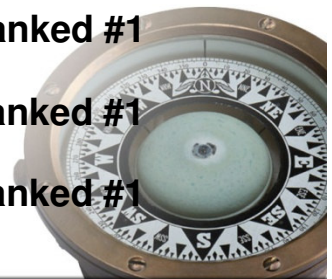
Marketshare: Application Vulnerability Assessment (Rational AppScan)

Ranked #1



Best Identity Management Solution (2007), Best Single Sign-On Solution (2006) - Encentuate

Ranked #1





Questions?





IBM Governance and Risk Management
Business alignment, visibility and control

