**IBM** Confidential

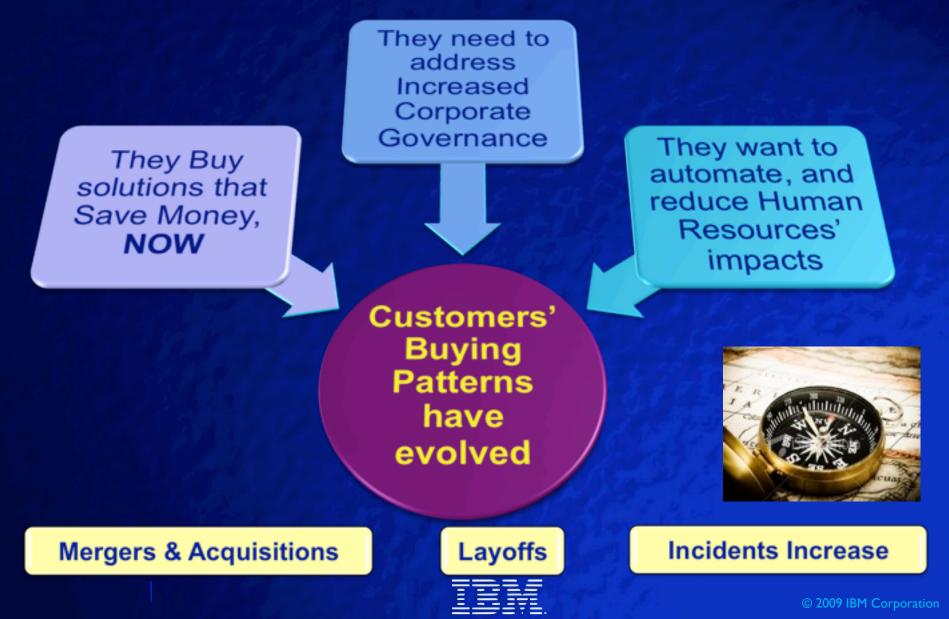


## Tivoli Security, Risk & Compliance Management Solutions

Pierre G. Noel Executive, Worldwide Risk Management & Information Security pierre.noel@hk.ibm.com

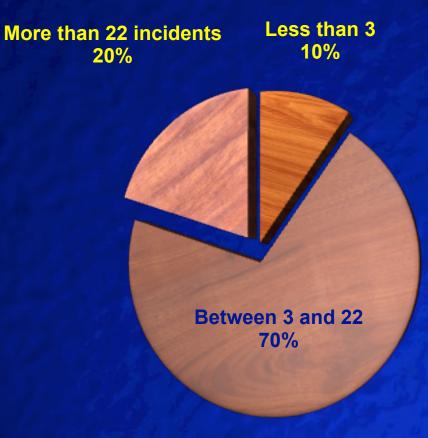
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# Why Customers want our Security Bundles?



## **Security Requirements**

## Breaches of sensitive business data in past year:



Source: 2006,07,08 survey by the IT Policy Compliance Group

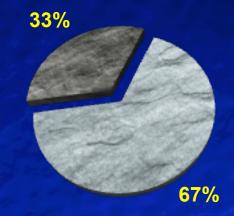


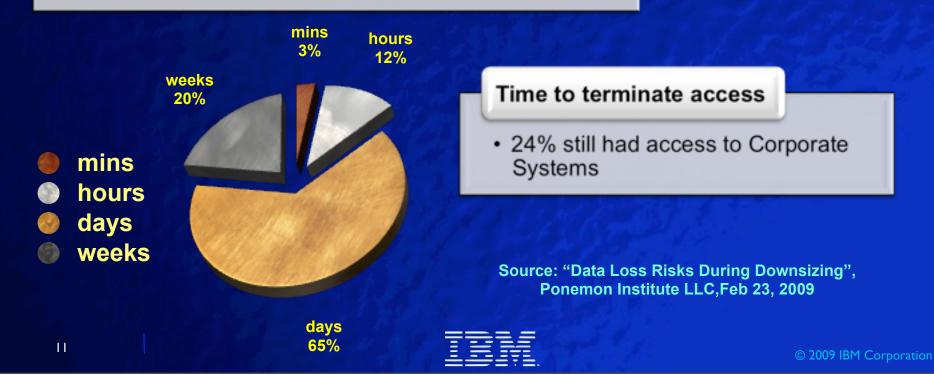
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## Another Threat to consider...

#### Improper Use of Corp Data

- 59% of workers who left their positions took confidential information with them
- 67% used their former company's confidential information to leverage a new job



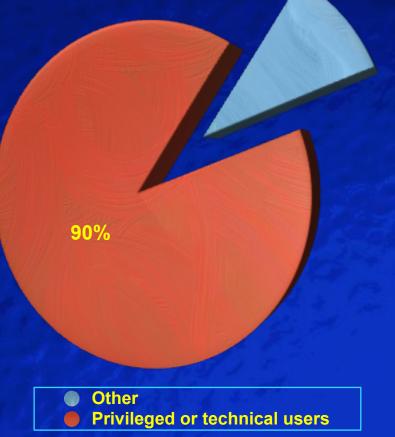


## **Barbarians are Inside our Gates Already**

#### What causes Internal Incidents?

#### The enemy is "us":

- 90% of insider incidents are caused by privileged or technical users
  - Most are inadvertent violations of:
    - Change management process
    - Acceptable use policy
    - Account management process
  - Others are deliberate, due to:
    - Revenge (84%)
    - "Negative events" (92%)
  - Regardless, too costly to ignore:
    - Internal attacks cost 6% of gross annual revenue or
       9 dollars per employee per day



Sources: Forrester research, IdM Trends 2006; USSS/CERT Insider Threat Survey 2005/6; CSI/FBI Survey, 2005; National Fraud Survey; CERT, various documents.



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10%

## **Tivoli Security Bundles**



Addresses higher level pain points than point product sales Provides clients greater value for the money in tough economy

Distinct competitive advantages and opportunities for take-aways

Simplified market messaging and ordering



## **Tivoli Security Solutions** *Buying a car, not parts*



Mainframe as my Bastion

Securing Data & Applications

People approaching my critical information assets



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## **IBM Tivoli Security Bundles**

#### Tivoli Identity and Access Assurance

 Reduce cost and risk by easing the onboarding and offboarding of users, reporting on user activity and ongoing certification

#### Tivoli Data & Application Security

 Protect business information & reputation by safeguarding data in use or at rest

#### Tivoli Security Management for z/OS

 Improve mainframe security administration & enable integrated mainframe & distributed security workloads





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## **Identity and Access Assurance**

Market Leader with Large Install Base of over 2,000 customers worldwide

Selling Identity & Access Assurance will allow you to capture larger percentage of organizational budget

## Values

- Reduce help desk cost
- Improve user productivity
- · Comply with regulations
- Reduce risk from privileged insiders
- Respond quickly to business initiatives (e.g. new applications, M&A, restructuring)

## Buyers

- Line of Business Unit
- Security
- Compliance
- Risk
- IT Operations

## Outcome

 Provide efficient and compliant access for right people to right resources

## Why Identity and Access Assurance?

#### Improve Service

- Common IT Services Portal to offer ID services as well
- Enable collaboration via role based portals with access to enterprise services and applications
- Increase market reach with federated business models leveraging trusted identity information

#### Reduce Cost

- Reduce help desk costs, password resets
- More efficiently manage restructuring
- ERP deployments / upgrades

#### Manage Risk

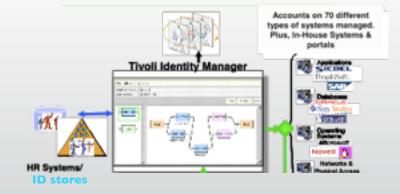
- Privileged IDs
- Shared IDs
- Failed audits
- Prevent insider breach
- Recertification, Access Attestation
- National ID / Trusted ID provisioning of strong / trusted credentials.
- Unauthorized IT change detection



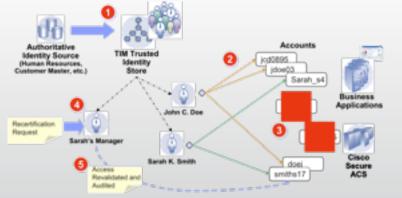
## **Identity and Access Assurance in a nutshell**



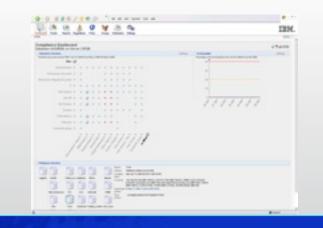
#### User Provisioning / Role Management



#### Access Validation & Compliance



#### Security log management & reporting



## **Tivoli Identity and Access Assurance**

#### **IAA Capabilities**

- User provisioning & role management
- Unified single-sign-on
- Privileged user activity audit & reporting
- Directory and integration services
- Log Management
- Self-service password reset
- Identity Assurance / Strong authentication management

#### **Benefits:**

- Reduce help desk operating expenses
- Comply with regulations
- Improve user productivity
- Reduce risk from privileged insiders
- Respond quickly to business initiatives (e.g. new applications, M&A, restructuring)



## **Data & Application Security**

#### Data and Application Security concerns unite business & IT

Technology successfully deployed at 2000 customers

## Outcome

 Protect integrity and confidentiality of business data and transactions

## Values

- Reduce cost of Compliance
- Enable Outsourcing / Data Sharing (SOA)
- Grow business, enable collaborative design / supply chain
- Protect IP / data-in-use
- Secure storage / dataat-rest

## Buyers

- Line of Business
- Compliance
- Risks
- IT Operations
- IT Architects



## Why Data and Application Security?

#### Improve Service

- Enable Outsourcing / Data Sharing
- Grow business, enable collaborative design / supply chain

#### Reduce Cost

- Reduce "cost of compliance"
- Ease storage upgrade / expansion by leveraging centralized security

#### Manage Risk

- Data disclosure / privacy regulations
- Failed audits, insider breach in industry
- Lost backup tapes / laptops
- SOA, SharePoint, DataPower, Portal



## **Data and Application Security in a nutshell**

Encrypted Disks & Archive Tapes with Key Management

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# Portal Security and Federation

#### SharePoint / DataPower management



#### Security log management & reporting





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## **Tivoli Data and Application Security**

## D & A Capabilities

- Centralized key management
- Inter-organization data collaboration
- Centralized, fine-grained access control to information
- Audit and reporting of data usage
- Security log management
- Centralized server administration integrity, including virtual servers

#### Benefits:

- Data disclosure and privacy compliance
- Application security and agility
- Secure 3rd party collaboration
- Protect IP / data-in-use
- Secure storage / data-at-rest

## **Security Management for z/OS**

zSecure and Security on zLinux are huge opportunity areas. Large deals with relatively short sales cycle

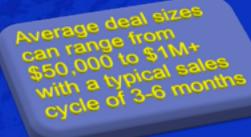
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## Values

- Outcome
- Secure critical business services with their most trusted and resilient platform
- Secure critical mainframe hosted data and transactions
- Reduce "cost of compliance"
- Improve service availability
- Enable Data Center Consolidation



- Service Owners
- Security
- Compliance
- IT Operations



0

## Security Management for z/OS?

#### Improve service

- Leverage the most secure platform in the enterprise
- Reduce cost
  - Datacenter consolidation
  - Imbedded best practices
  - Reduce "cost of compliance"

#### Manage risk

- Data disclosure / privacy regulations
- Failed audits, breach in industry
- Lost backup tapes



## Security management for System z in a nutshell

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## RACF database cleanup & improved manageability

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## **Tivoli Security Management for System z**

### **Tivoli Capabilities**

- More efficient and effective RACF administration, using significantly less resources
- RACF auditing that enables to automatically analyze and report on security events and detect security exposures
- Enforce compliance to company and regulatory policies by preventing erroneous commands
- Auditing and reporting infrastructure

#### **Benefits:**

- Secure critical mainframe hosted data and transactions
- Comply with regulations
- · Improve service availability
- Implement z/OS security best practices



## Pricing and packaging designed to be simple, comprehensive, and economical

Solutions would be price delivered as a stimu 'hard bundle' suite	break-even ce points to ulate solution purchases, ups available	Available from IBM or IBM business partners		Services and hardware can be bundled by services partners for a single price	
Identity and Access Assurance	Data and Application Security		Security Management for z/OS		
Metric Per User	Metric Per Manag	ged Resource	Metric Capacity-based		
Price \$125 per user value unit MOQ of 5,000 users		dditional RVUs pps and storage	Price \$23K per MSU		
<ul> <li>BOM</li> <li>Tivoli Identity Manager</li> <li>Tivoli Unified Single Sign-On (FIM, TAMeb, ESSO)</li> <li>Tivoli Compliance Insight Manager</li> <li>Tivoli Access Manager for Operating Systems</li> </ul>	BOM • Tivoli Se Manager • Tivoli Ke Manager • Tivoli Co Manager • Tivoli Ac Operatin	curity Policy y Lifecycle ompliance Insight cess Manager for g Systems derated Identity	<ul> <li>BOM • Tivoli zSecure Admin</li> <li>• Tivoli zSecure Audit</li> <li>• Tivoli zSecure Command Verifier</li> <li>• Tivoli Compliance Insight Manager for z/OS Auditing</li> </ul>		

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## **More Information – Tivoli Security Sales Kit**

- Identity & Access Assurance
  - http://w3-103.ibm.com/software/xl/portal/viewcontent?type=doc&srcID=CGSK&docID=S580595Q48163A23
- Data & Application Security
  - http://w3.ibm.com/software/xl/portal/viewcontent?type=doc&srcID=CGSK&docID=J972816R14730E22
- Security Management for z/OS
  - http://w3-103.ibm.com/software/xl/portal/viewcontent?type=doc&srcID=CGSK&docID=S880115Y30440U38
- Tivoli Security Virtual Sales Academy
  - http://w3-103.ibm.com/software/xl/portal/viewcontent?type=doc&srcID=T9&docID=X845088H35672Y50
- Tivoli Security Wiki
  - https://w3.tap.ibm.com/w3ki06/display/Main/TivoliSecurity
- Tivoli 3 Security Bundles (extended version)
  - http://cattail.cambridge.ibm.com/cattail/#view=bert.schaekers@be.ibm.com/files/80C3FCC0F1093DD8930E7B0F7F000001

#### **Worldwide Security Sales**

Sean Bergin/Austin/IBM

#### **Worldwide Security Enablement**

Pierre Georges NOEL/Hong Kong/IBM

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