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Tivoli Security, Risk & Compliance Management Solutions

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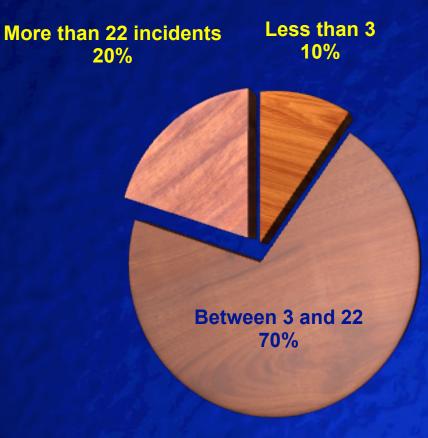
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Why Customers want our Security Bundles?



Security Requirements

Breaches of sensitive business data in past year:



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

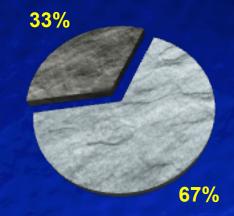


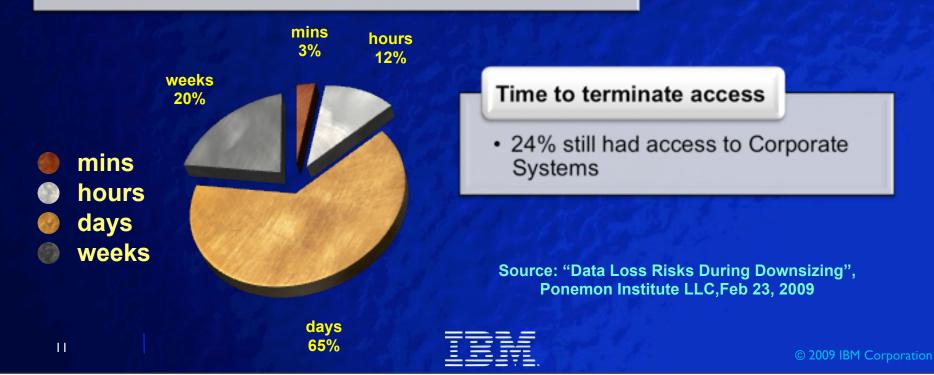
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Another Threat to consider...

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



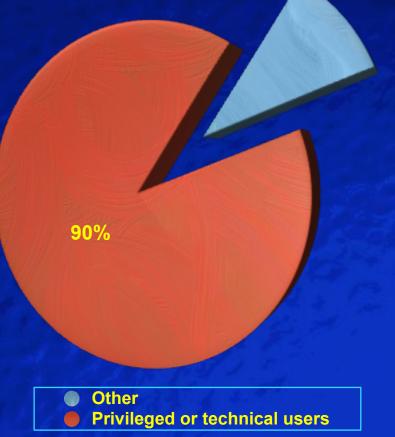


Barbarians are Inside our Gates Already

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

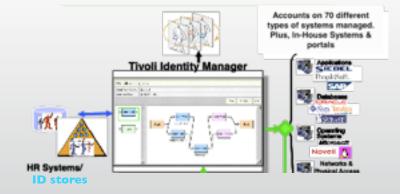
- Privileged IDs
- Shared IDs
- Failed audits
- Prevent insider breach
- Recertification, Access Attestation
- National ID / Trusted ID provisioning of strong / trusted credentials.
- Unauthorized IT change detection



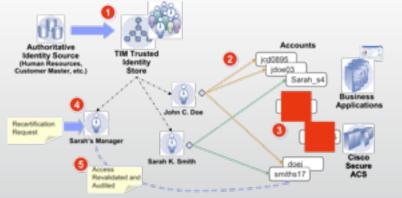
Identity and Access Assurance in a nutshell



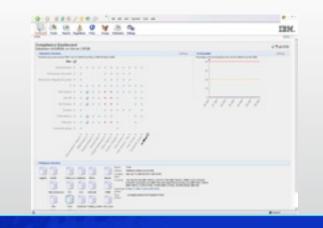
User Provisioning / Role Management



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

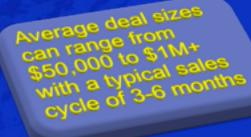
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Values

- 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

Audit Concern Overview Reports

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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		
 BOM Tivoli Identity Manager Tivoli Unified Single Sign-On (FIM, TAMeb, ESSO) Tivoli Compliance Insight Manager Tivoli Access Manager for Operating Systems 	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	 BOM • Tivoli zSecure Admin • Tivoli zSecure Audit • Tivoli zSecure Command Verifier • Tivoli Compliance Insight Manager for z/OS Auditing 		

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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

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Pierre Georges NOEL/Hong Kong/IBM

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