

C21 - Leveraging an Identity Management Foundation to Sustain Compliance

Mick Coady



September 21, 2009 – September 23, 2009



Leveraging an Identity Management Foundation to Sustain Compliance

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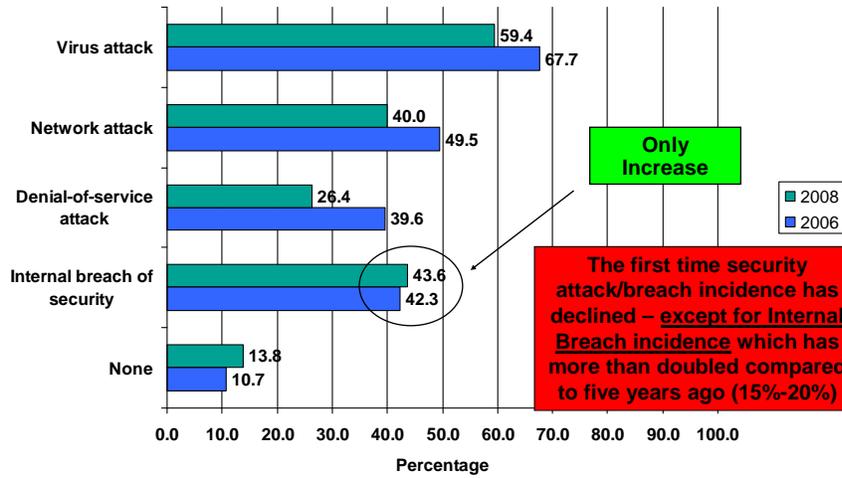
Agenda

- Some Pertinent Data
- The challenge of managing multiple users and entitlements
- Identity Lifecycle Management defined
- Three components
 - Identity Management
 - Security Compliance Management
 - Role Management and Role Engineering
- CA customer perspectives





Security Attacks and Breaches

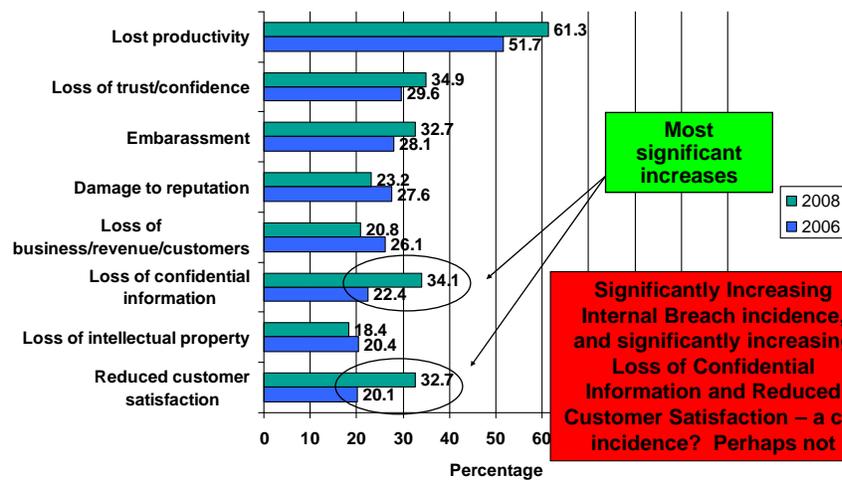


N=500. Q13. What types of security challenges has your organization dealt with over the past 12 months?
 Source: *The Strategic Counsel*, 2008

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Security Attack/Breach Costs

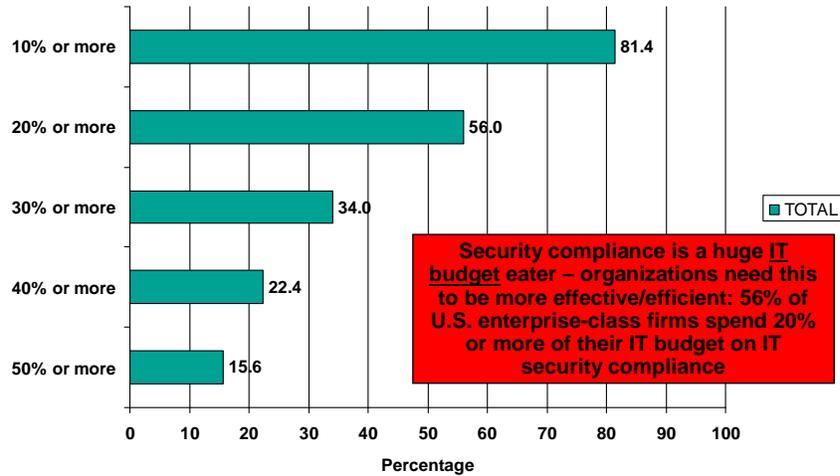


N=500. Q14. What impact have these security challenges had on your organization?
 Source: *The Strategic Counsel*, 2008

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Security Compliance Costs - Budget

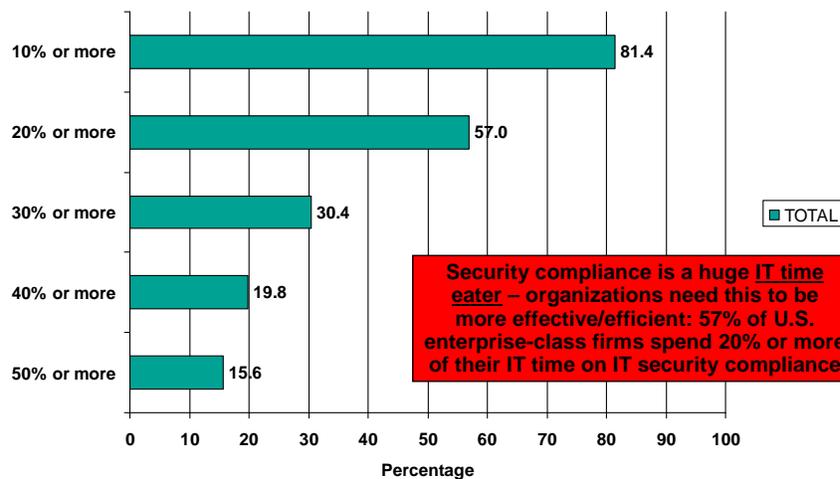


N=500. Q104. What percent of your organization's IT budget is spent specifically to ensure IT security compliance with various regulations?
Source: *The Strategic Counsel*, 2008

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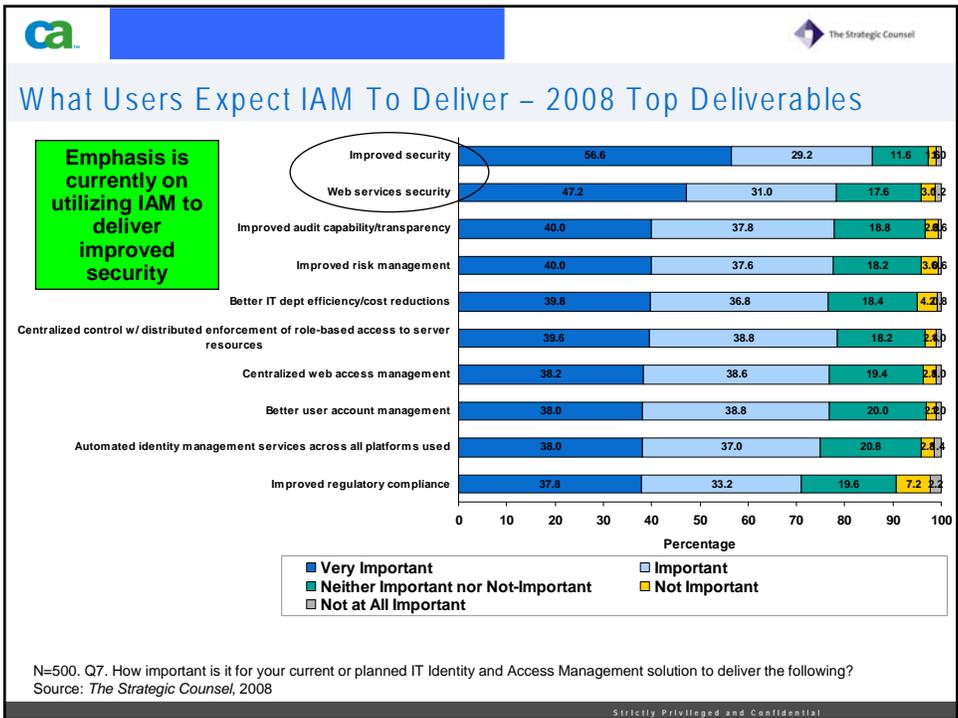
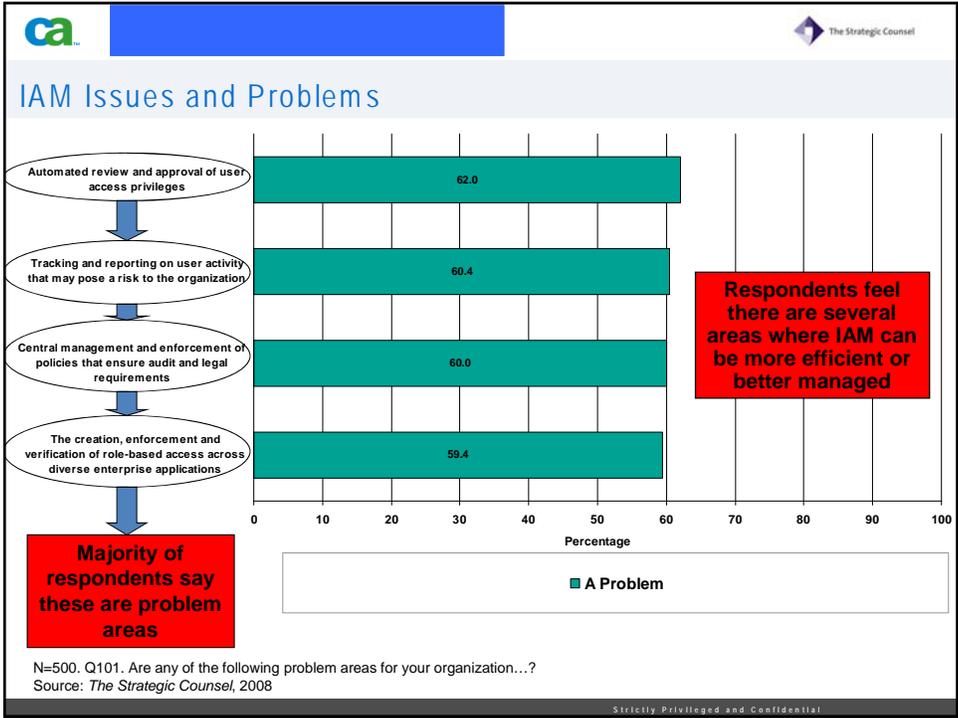


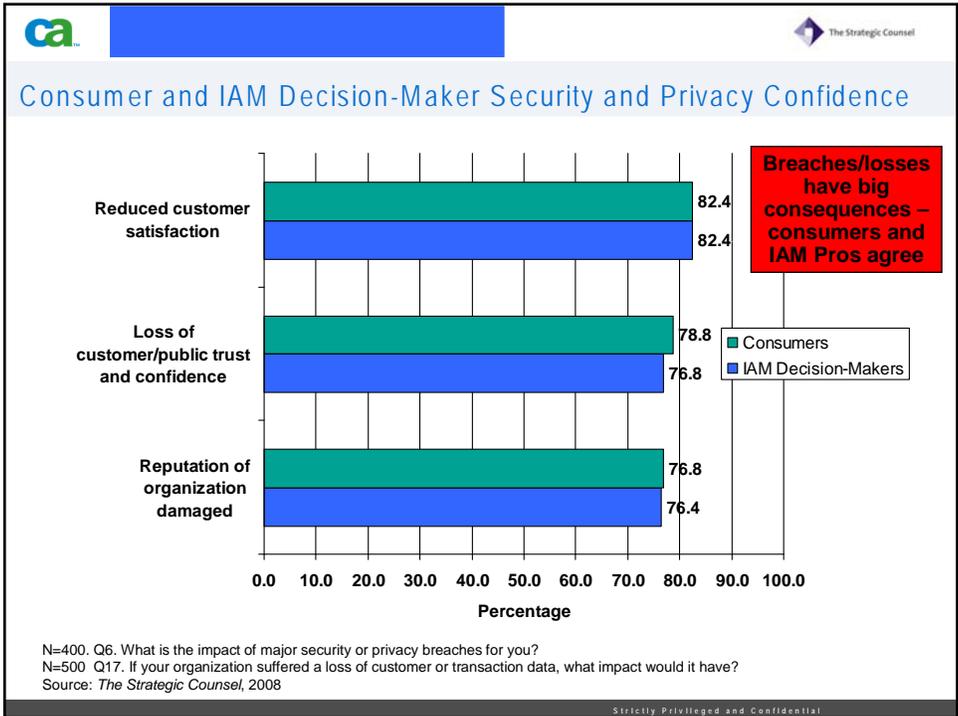
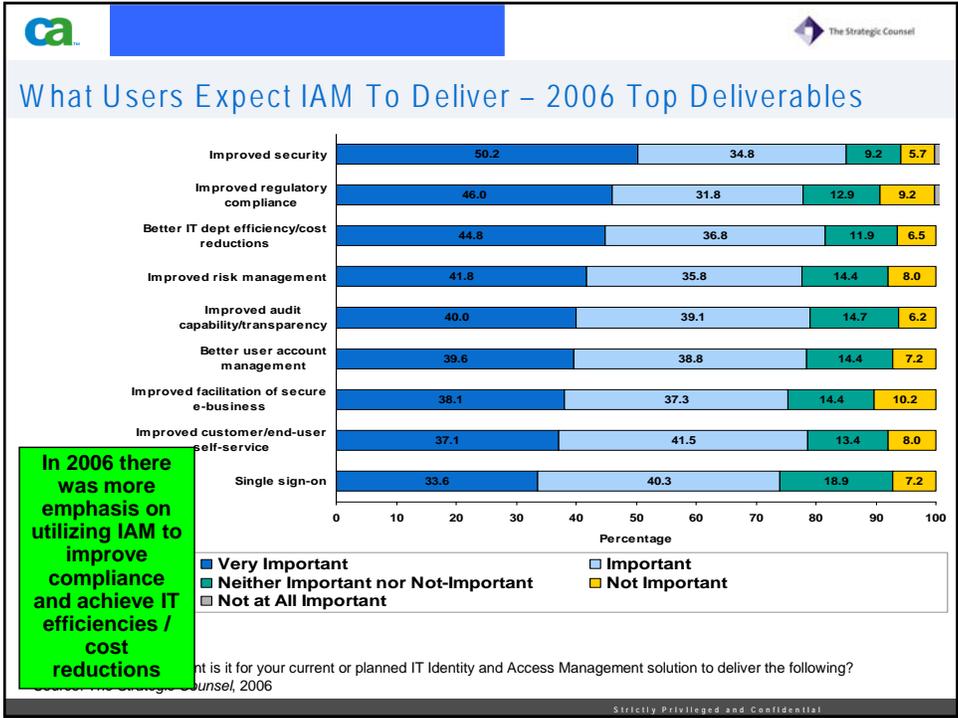
Security Compliance Costs - Time



N=500. Q105. What percent of your organization's IT time is spent specifically to ensure IT security compliance with various regulations?
Source: *The Strategic Counsel*, 2008

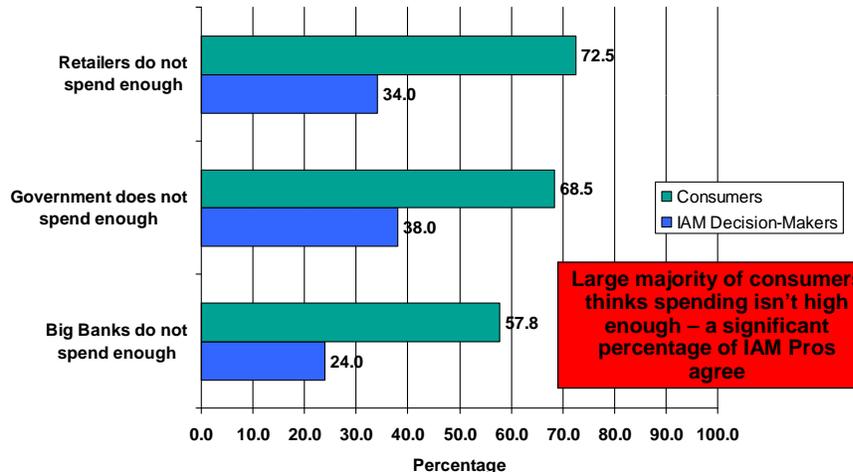
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Consumer and IAM Decision-Maker Security and Privacy Confidence



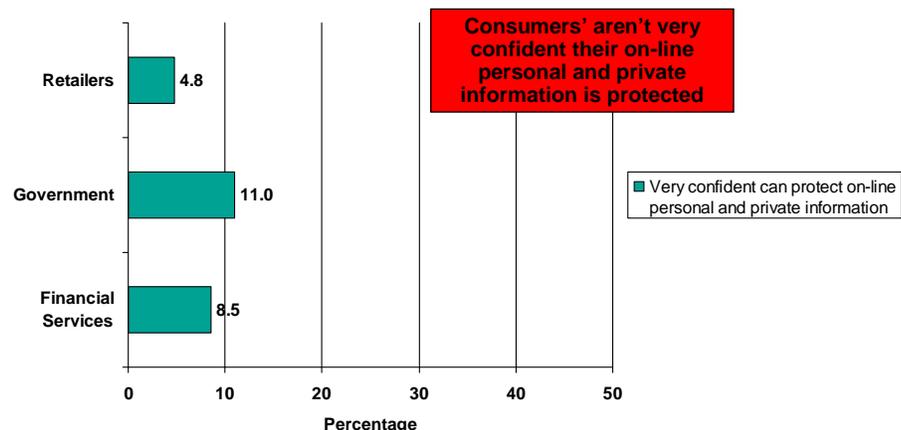
Large majority of consumers thinks spending isn't high enough – a significant percentage of IAM Pros agree

N=400, Q8-Q10. Do you think _____ spends enough on on-line security and privacy?
 N=100 Retail; N=100 Federal/State Government; N=100 Financial Services Q20. Thinking in percentage terms, do you think the percentage of your organization's total IT budget devoted to security is too low, adequate or too high?
 Source: *The Strategic Counsel*, 2008

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Consumer Security and Privacy Confidence



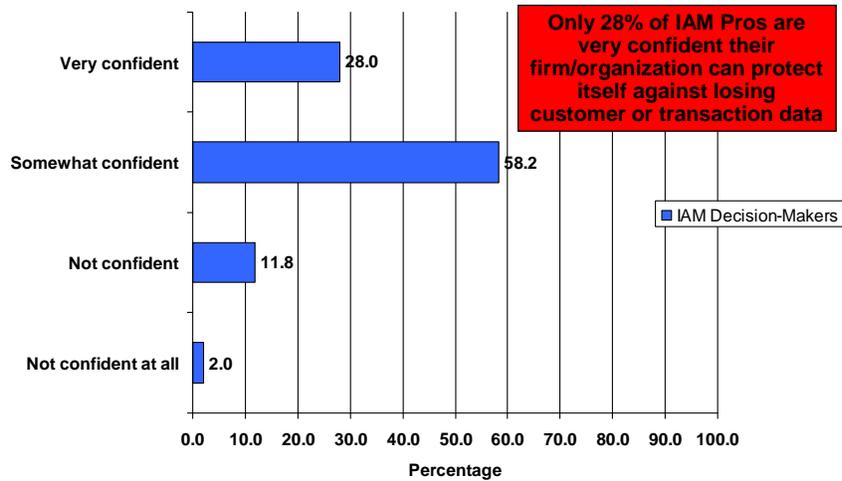
Consumers' aren't very confident their on-line personal and private information is protected

N=500, Q3a-b-c. How confident are you that the banking industry is properly protecting your on-line personal and private information?
 How confident are you that retailers are properly protecting your on-line personal and private information? How confident are you that the Government is properly protecting your on-line personal and private information?
 Source: *The Strategic Counsel*, 2008

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IAM Decision-Maker Security and Privacy Confidence

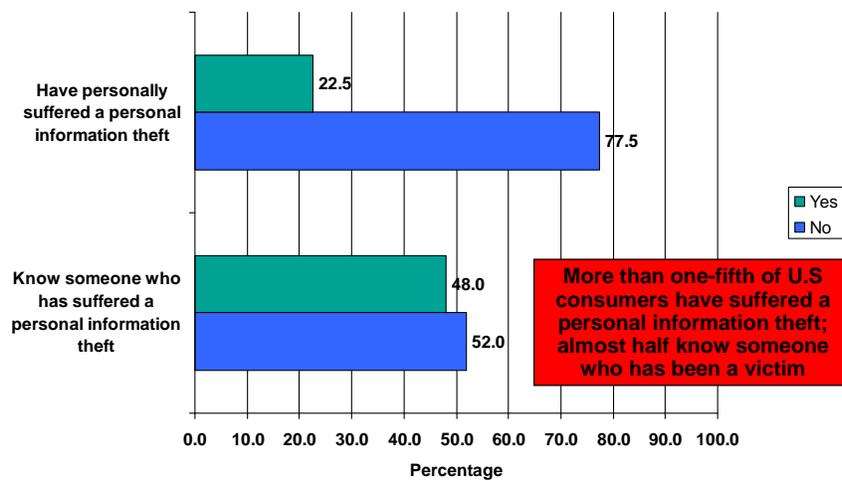


N=500. Q15. How confident are you that your organization can protect itself against losing customer or transaction data?
Source: *The Strategic Counsel*, 2008

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Consumer Personal Information Theft Victimization



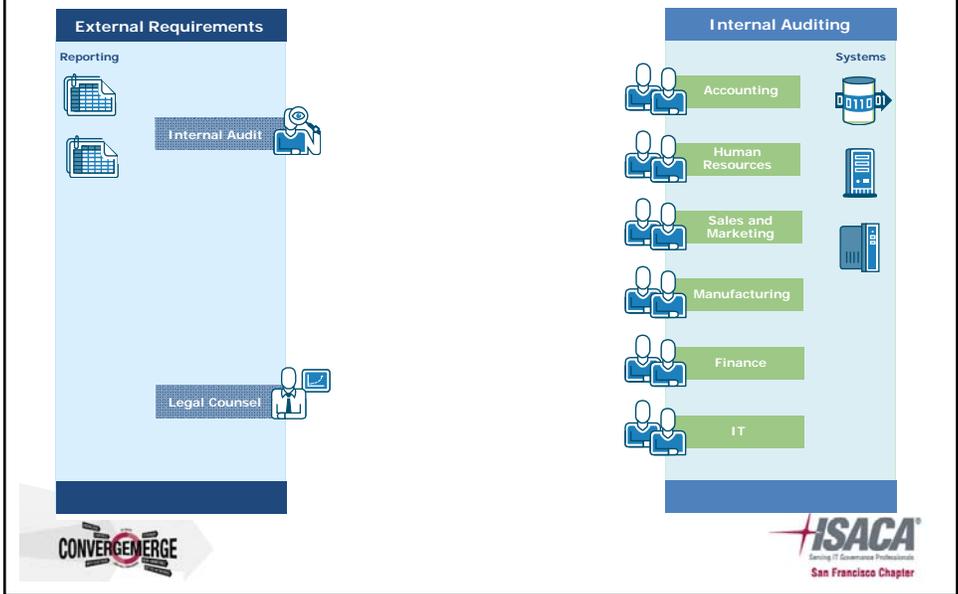
N=400. Q7-Q8. Have you ever suffered a personal information theft? Do you know someone who has been the victim of personal information theft?
Source: *The Strategic Counsel*, 2008

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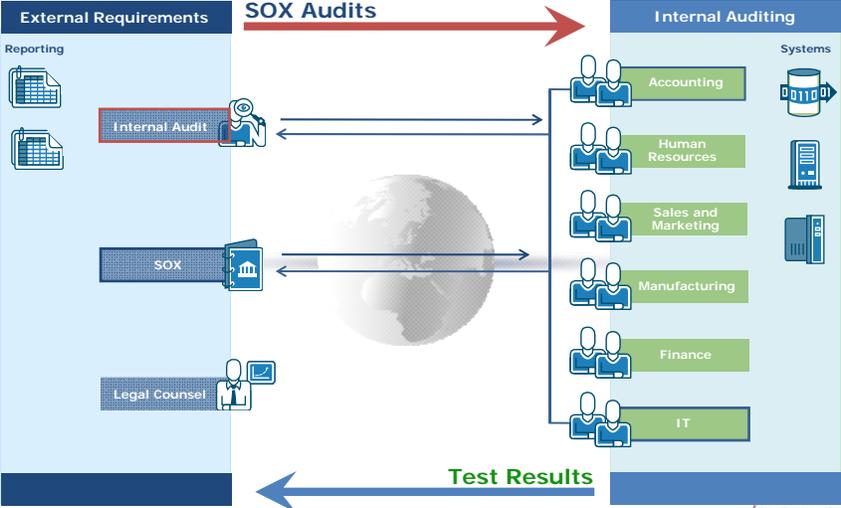
The Regulatory Environment Global and Growing



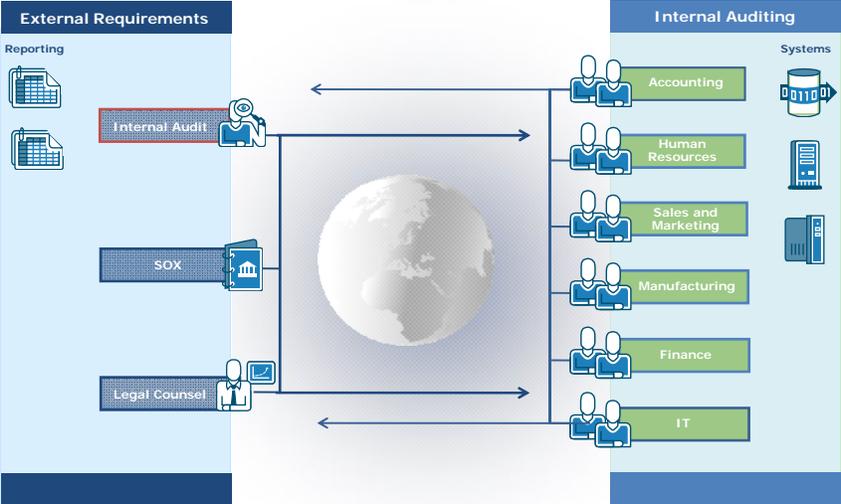
Compliance: The Early Days



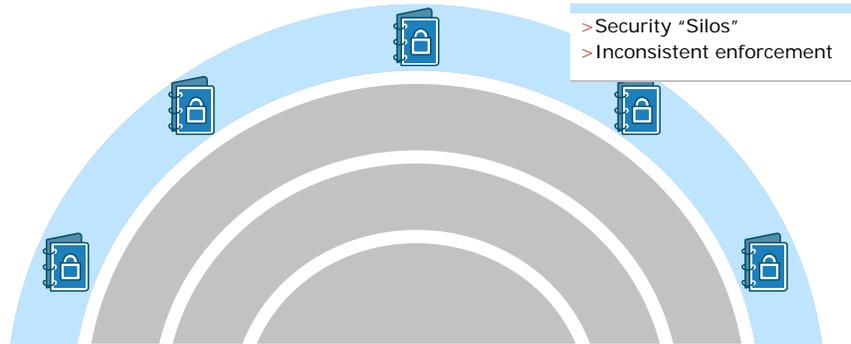
Enter SOX



Next Come PCI, EU Privacy Directive, Internal Policies (as well as Compliance Management)



The Challenge of Managing Multiple Users and their Entitlements



- ▶ **Many policies**
- > External regulations
 - Legislative
 - Industry-specific
- > Best practices
- > Internal

- > Security "Silos"
- > Inconsistent enforcement



The Challenge of Managing Multiple Users and their Entitlements



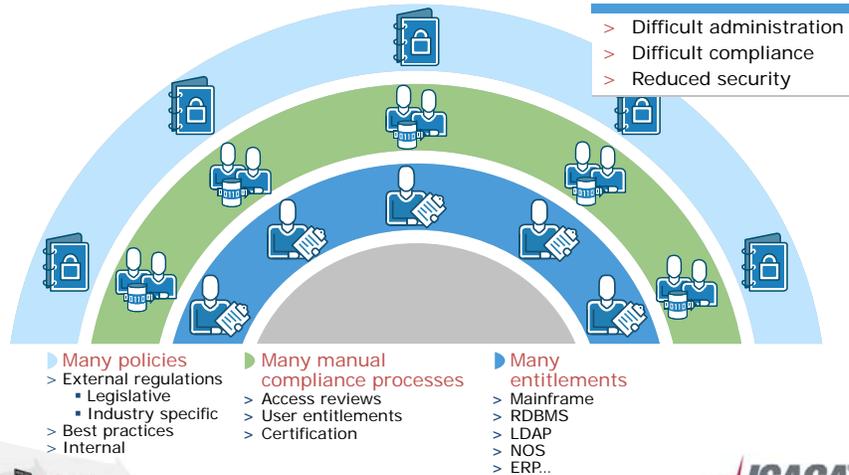
- ▶ **Many policies**
- > External regulations
 - Legislative
 - Industry specific
- > Best practices
- > Internal

- ▶ **Many manual compliance processes**
- > Access reviews
- > User entitlements
- > Certification

- > High admin cost
- > Inconsistent enforcement
- > Increased risks



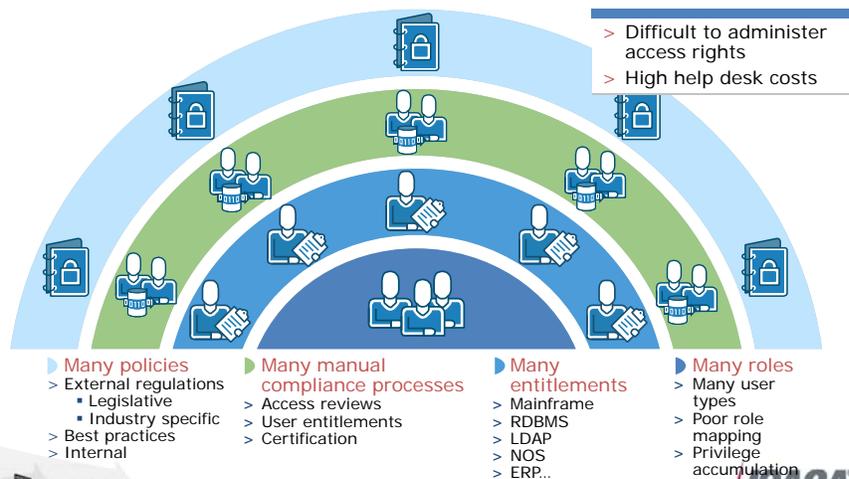
The Challenge of Managing Multiple Users and their Entitlements



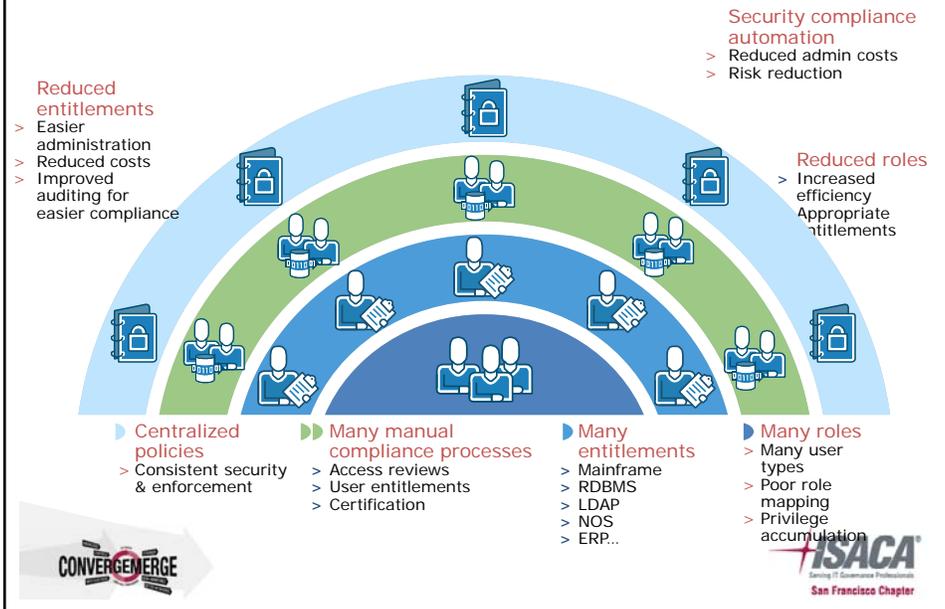
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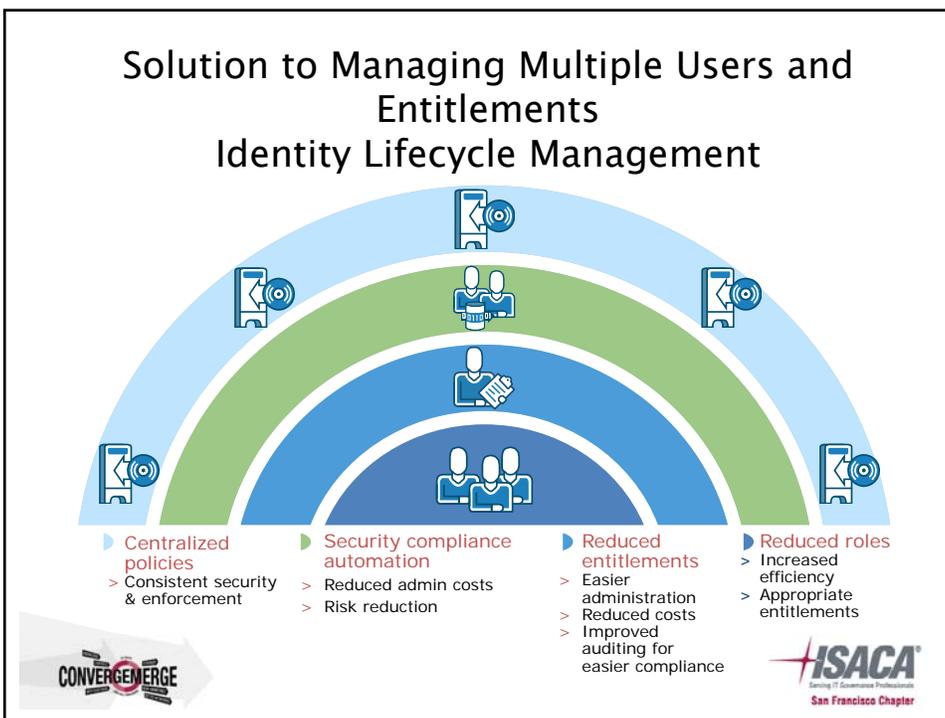
The Challenge of Managing Multiple Users and their Entitlements



Identity Lifecycle Management The Solution



Solution to Managing Multiple Users and Entitlements Identity Lifecycle Management



Identity Lifecycle Management



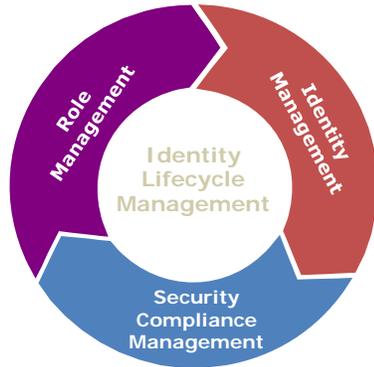
Identity Lifecycle Management Defined

Goal: Automating identity-related processes that span the entire enterprise

- What are “identity-related” processes?
 - On-boarding/Off-boarding an employee
 - Users managing their own profiles
 - Executing proper provisioning approval processes
 - Ensuring user entitlements match functional responsibilities
 - Validating company is in compliance
 - And more...



Identity Lifecycle Management: IT Needs



Role Management

- Understand what roles exist in the enterprise
- Establish role model that fits organization
- Analyze and maintain role model as business evolves

Identity Management

- Assign users to roles
- Apply role-based controls
- Provision users with approved accounts and privileges
- Manage change requests and approvals over time

Security Compliance Management

- Understand security policy
- Import audit/log data
- Import identity information
- Compare, then initiate and verify remediation processes
- Streamline security compliance processes

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Role Mining/Management

Enables efficient and accurate identity and entitlement management

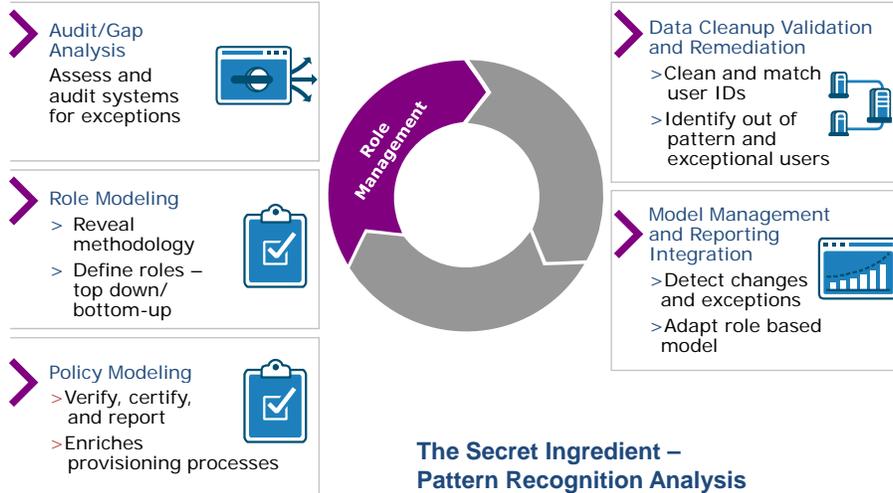
- Role Mining
 - Automates discovery of roles and access patterns
 - Enables gap analysis, cleanup and role modeling
- Ongoing Role Management
 - Processes role approval/adaptation, self service requests
 - Detects business changes that affect role structure
- Auditing and Reporting
 - Assesses role exceptions, cleanup and repair
 - Provides executive reporting and audit trail



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Role Management Key Capabilities



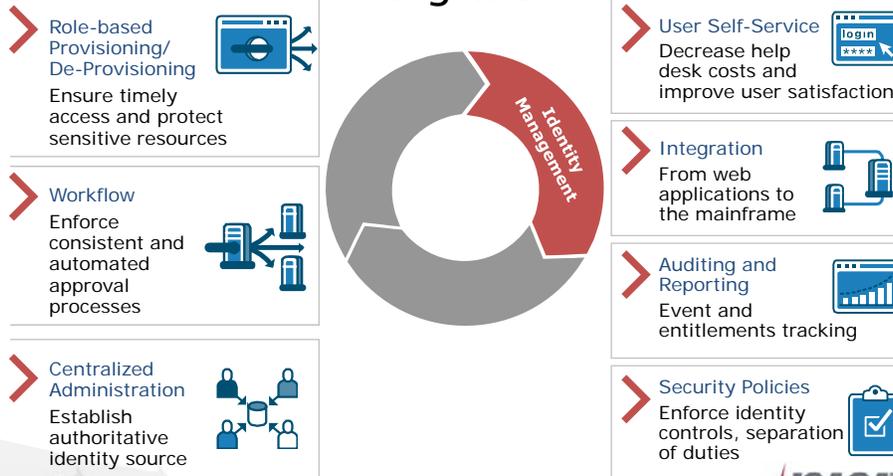
Identity Management

Central engine for identity-related processes

- Provisioning/De-Provisioning
 - Quickly assigns and removes access privileges
 - Automates consistent workflow processes
- User Self Service
 - Empowers end users to resolve issues
 - Reduces burden on IT and help desk
- Identity Administration
 - Centralizes data/policy for consistency across enterprise
 - Delegates decision-making to application owners



Identity Management Key Capabilities The Secret Ingredient: Modular yet Integrated



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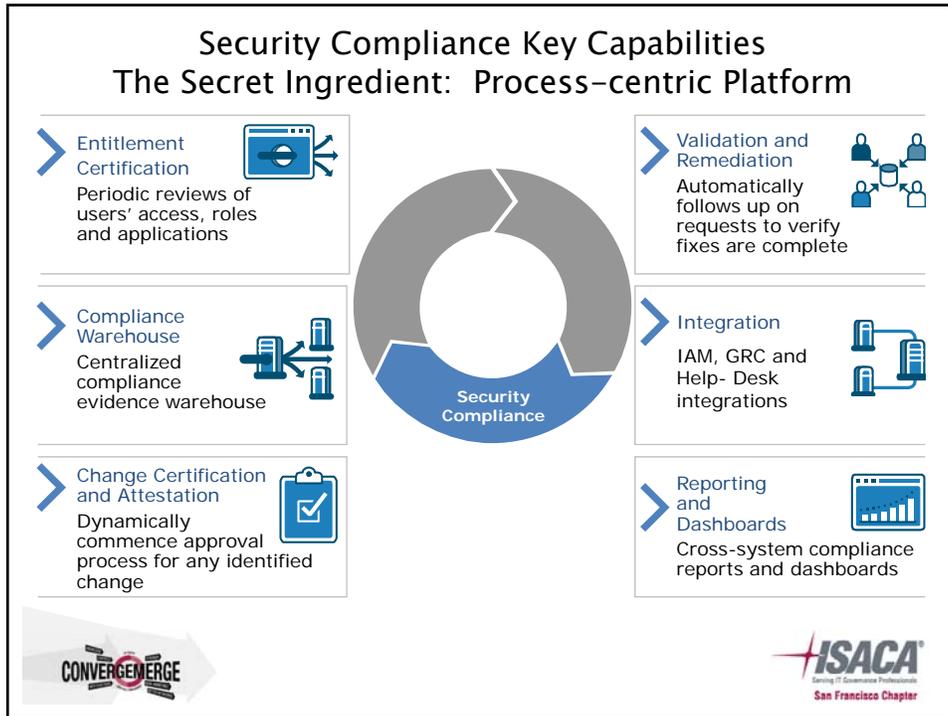
Security Compliance

Meet compliance objectives on a continuous basis

- Compliance Reporting and Dashboards
 - Generates access, entitlement and audit reports
 - Cross-system compliance reporting
- User and Role Entitlement Certification
 - Validates users' access is appropriate for their role
 - Ensures access to applications is appropriate
- Change Management and Validation
 - Initiates change management requests in other systems
 - Enables timely follow-up on remediation requests

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Identity Lifecycle Management Payoff

- Increased security and reduced risk
 - Eliminate unauthorized access and orphan accounts
 - Easier to prove compliance
- Reduced cost/increased productivity
 - Automation, delegation and self-service
 - Overcome idle users requesting help desk support
 - Consolidation of roles accelerates provisioning
- Improved user experience/satisfaction
 - Faster & easier access to applications and data
- Centralized hub for storing all security compliance info
 - Provides ongoing visibility and project management over access review processes

Customer Successes: Identity Lifecycle Management

- Problems
 - Organizations with more roles than users
 - 10+ days to provision new employees
 - Very complex IT environments:
 - 100+ target systems, 150K roles, 200K identities
 - Man weeks to complete compliance processes such as access reviews (multiple man-weeks)
- Solutions
 - Reduce 150K roles to <5K roles
 - Provision new employees in <1 day to multiple systems
 - Complete access reviews in hours not days



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Summary

- You need to streamline and automate your existing identity lifecycle management processes for:
 - Identity management
 - Role mining and management
 - Security compliance
- You need to find vendors who have a complete, integrated solution to manage the entire identity lifecycle across your enterprise

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Q&A

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