Agenda

- Present IAM - Current State
- Importance of Identity
- Major Obstacles to Key Business Initiatives
- How Do I Get This Under Control?
- Case Study
- Steps To Take
The Good Old Days

Enterprise Systems

Firewall Perimeter
World of Access is Expanding
Identity is the New Perimeter

App sourcing and hosting

SaaS apps
Apps in public clouds
Partner apps
Apps in private clouds
On-premises enterprise apps

Enterprise computers
Enterprise-issued devices
Public computers
BYOD

Employees
Contractors
Customers
Partners
Members

Source: March 22, 2012, Forrester report
"Navigate The Future Of Identity And Access Management"
Obstacles to SaaS, Cloud, Mobile

CIO poll indicated:

- 30% of Enterprises view security as a top concern
- 72% believe effective IAM is the key to effective security
But Cloud Apps Are Creeping Into The Enterprise

Reality vs. Perception:
More Cloud Apps Than You Realize

Overall, enterprises using the Netskope Active Platform have an average of 397 cloud apps running in their organizations. However, prior to using Netskope, they typically estimate they have 40–50 apps. That’s 10x.

397 cloud apps in use in enterprise

77% of those cloud apps are not enterprise-ready
PWC Statistics
Identities are Fragmented and Siloed

• Too many User Repositories
  — Enterprises have 68 internal and 12 external account directories
  — 75% of internal users and 38% of external users are in multiple directories

• Inefficient Account Provisioning/De-Provisioning
  — User management consume 34% of the total time IT spends on IAM
  — User accounts get created in 16 systems and deleted in 10
  — The rest are manual and maintained in silos

• Impact on User Productivity
  — On average, IT is managing access to 73 unique applications requiring user access
  — Average user spends 16 minutes a day for logins
  — SSO increases user productivity by 15% and efficiency by 18%
Employee exposes rich clients' information online
Fined $1M

Call-center workers sold customer data fined $25M

Employee charged with stealing customer data

DBA account compromised leaves 78.8M affected

Third-party credentials stolen leaves 56M affected

Admin account compromised exposed 11M Medical records
Why is Identity Such an Island?

“Identity is apart from business”  “Identity is a part of business”
Conversation between The Business and IAM Team

The Business

• “Our App needs XYZ Schema”

• That won’t work…..

IAM Team

• “You must fit into our AD Schema”

• “We can stand up XYZ, but it'll take 150 days”
The Challenge of a Fragmented Distributed Identity System

Cost of each custom link

$0005216188

Identity Sources

Devices

Cloud & Web Apps

AD
Forest/Domain A

AD
Forest/Domain B

Internal Enterprise Apps

Directories

Databases
The Solution: An Identity Hub

Federating **identity** through virtualization

Federating **access** through WAM/SAML/WS-Fed/OAuth/OpenId Connect Layer
Federated Identity and Directory Service: A Foundation to Build On

- No SSO unless you have this
- Potential for authorization based on wrong profile

- Fine Grained Authorization
- Flexible Group Management
- Translation of Protocol, Schema, Structure, and Data
- Scalability and Performance of a Directory

- Correlation: Same Users Different IDs
  - RJones
  - RobertaJ
  - No SSO unless you have this

- Disambiguation: Same IDs – Different Users
  - RJones

Global User List (Union)

Effectively Route Authentication
Q: At what point in a project lifecycle does the business engage your IT Security or Identity & Access Management teams?
How Do I Get This Under Control?

Bypassed?
Bottleneck?
Or....
Business Enabler!
Federated Identity & Directory Service at Intel

Steve Price
Identity Service Manager
Intel IT
Next Steps…

• Make a list…
  – Sources of identity
  – Sources of attributes
• How can I correlate or disambiguate users?
  – Is my data clean?
• What applications need identity?
  – What protocols, schemas, structures, data?
• Beyond SSO, what do these apps need?
  – An account for the user in their system?
    • App can do just in time provisioning
    • App needs user account provisioned
QUESTIONS?

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