

# Digital Identity 101

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*Unmasking Identity Management Architecture (IMA)*

# Digital Identity



O'REILLY®

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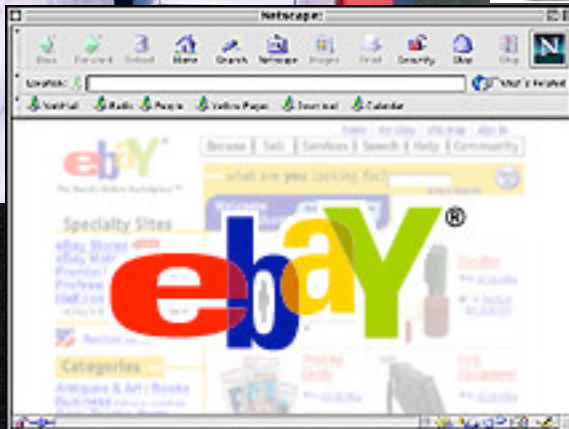


# Does Identity Matter?

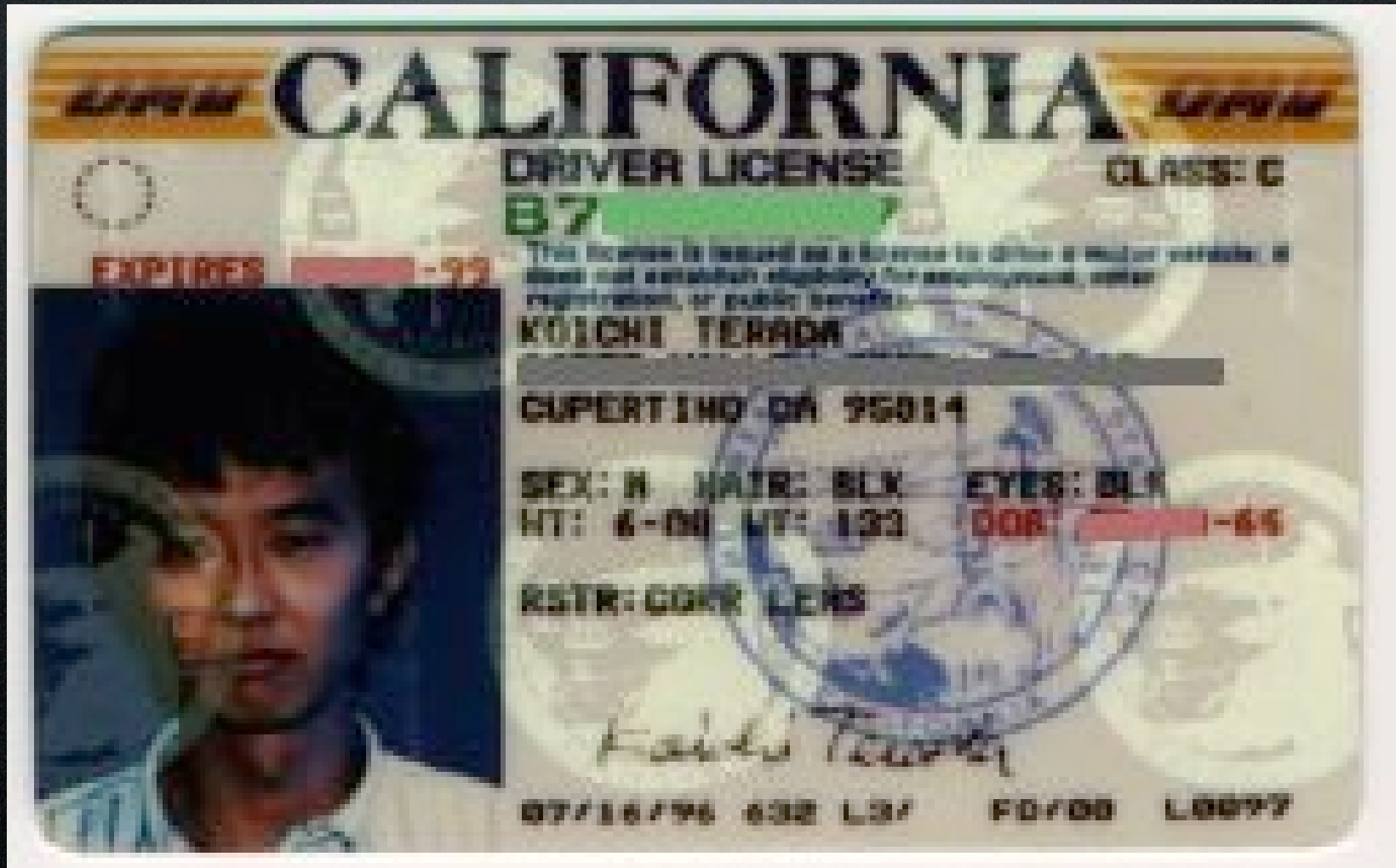


Inside. Lots and lots  
of...**HARDWARE!**

# Does Identity Matter?



# Credentials



# Credential Context



# Credential Context





# Credential Context



# What Happened to the Walls?



# What Happened to the Walls?



# The Border Patrol



# Business Context of Identity



vs



# Identity Federation

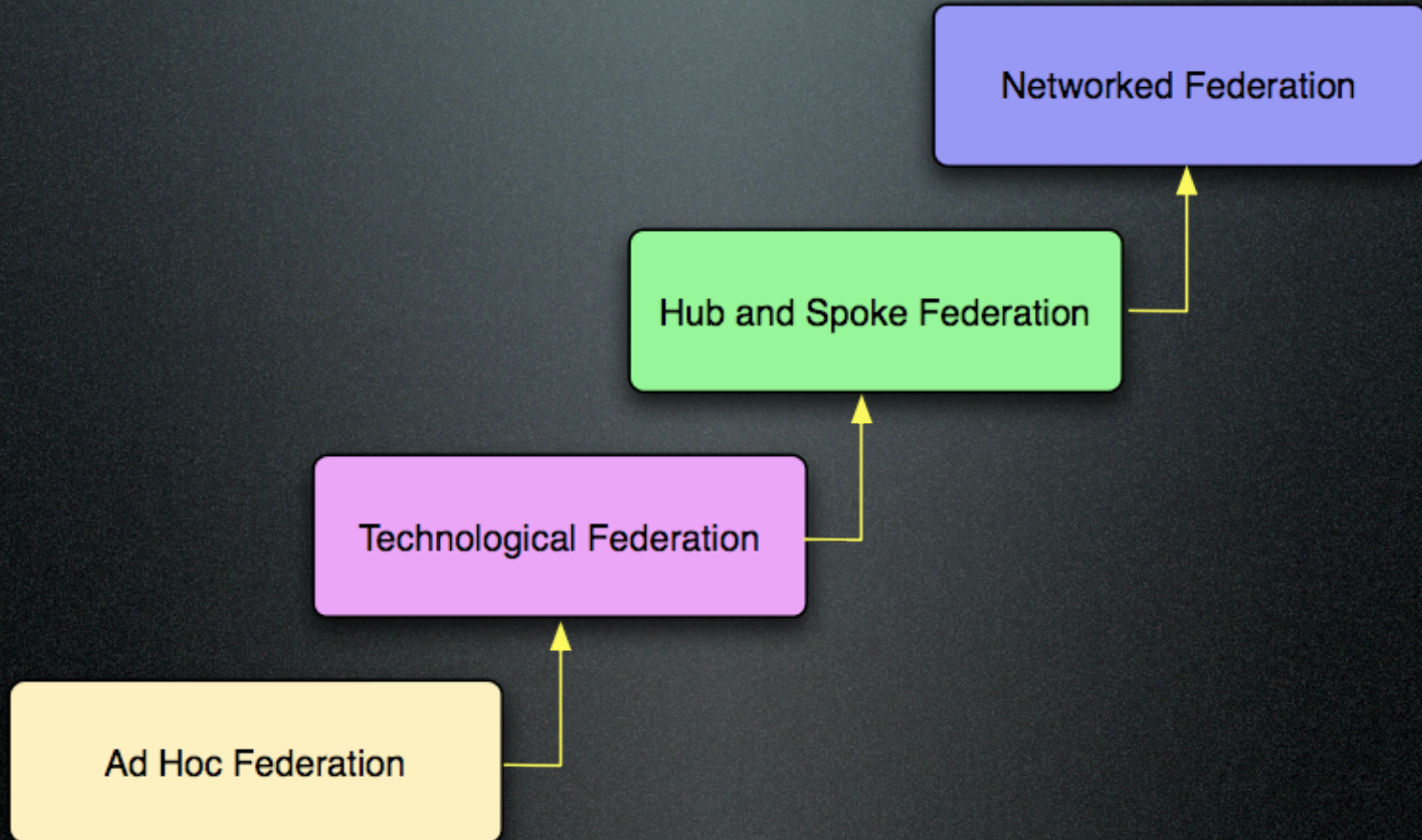


WS-Federation

**WS-Federation**

- Linking identities across organizations
- Sharing attributes and authentication
- Loose coupling
- Goes beyond technology standards
  - Policy
  - Liability
  - Governance
  - Trust

# Federation Maturity



# Reputation





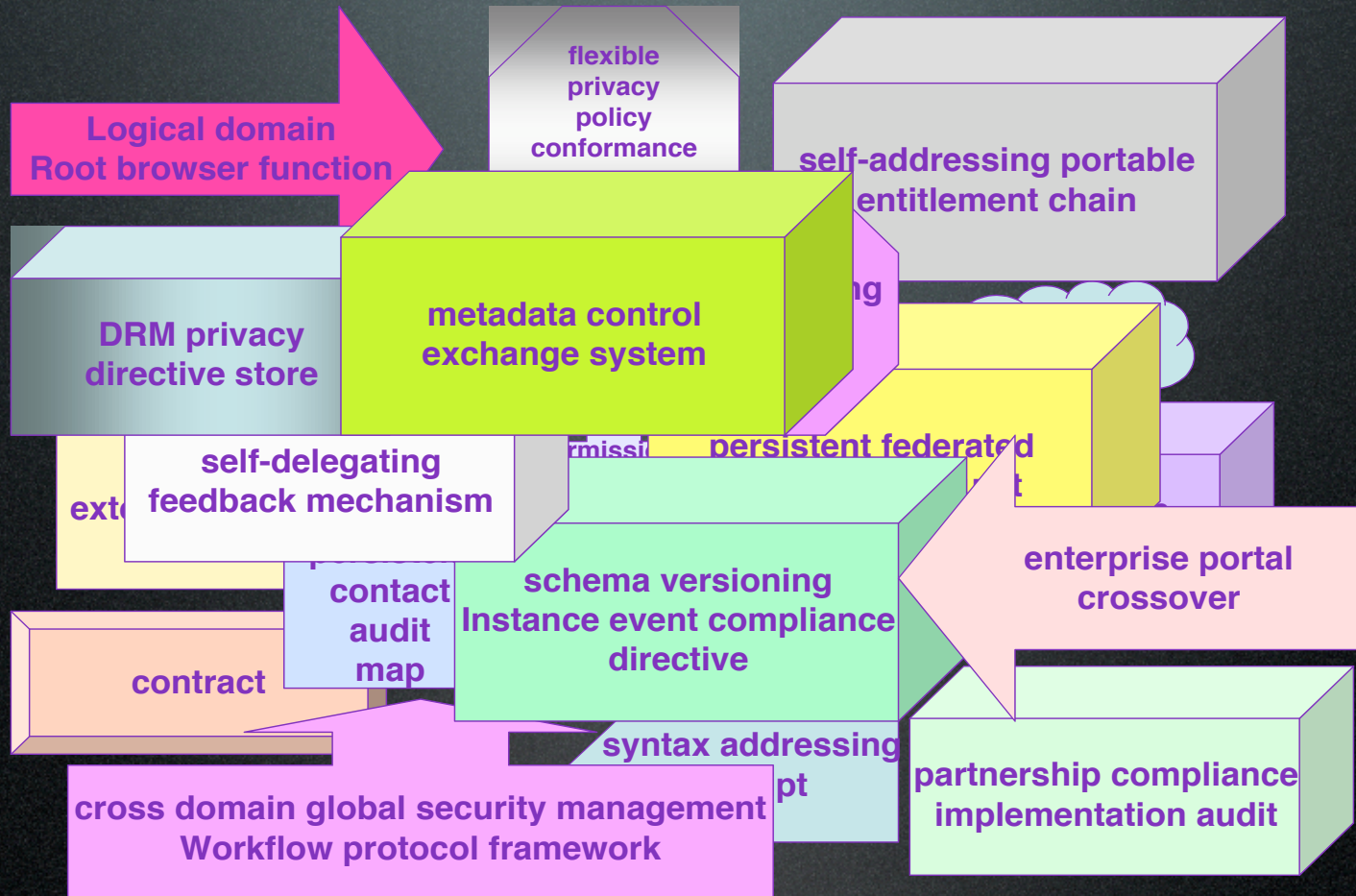
Your story about me

# Principles of Reputation

- Trust based on reputation
- Exists in the context of community
- Reputation *based* on identity
- Reputation is a currency
- Reputation is multi-level

# Identity in the Enterprise

# Identity Infrastructure (as built)



Architecture courtesy of Doc Searls

# Identity Management Architectures



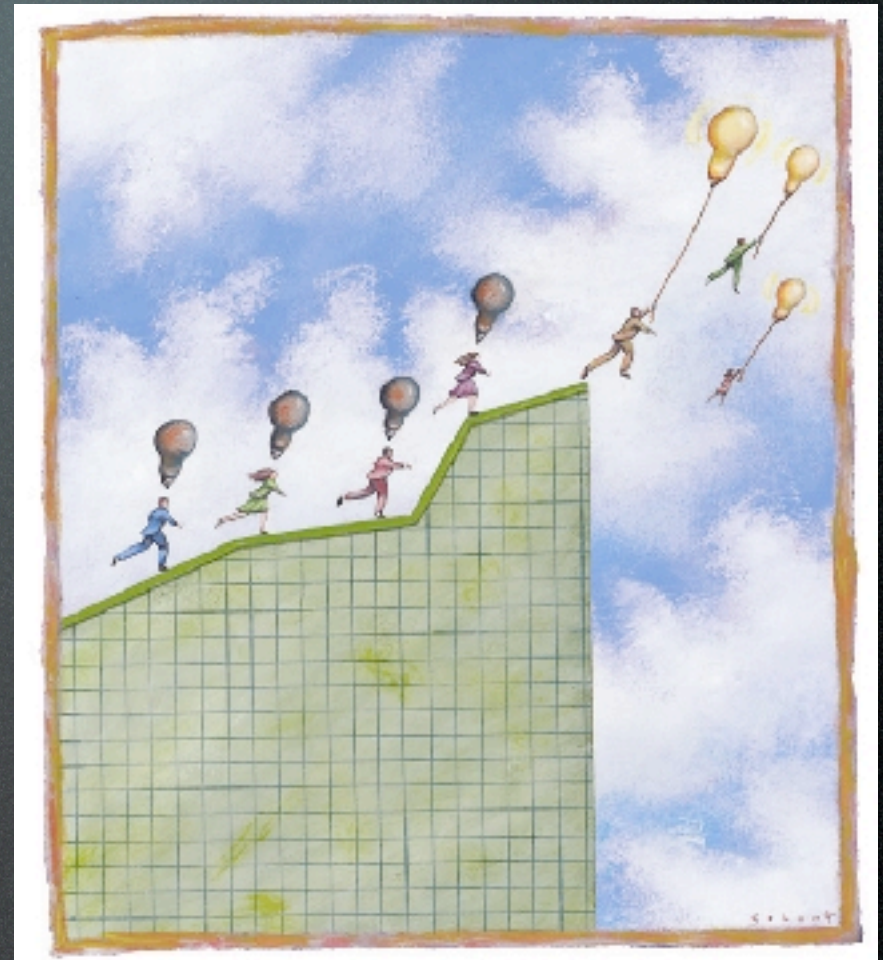
## City Planning

- Standardization
- Certification
- Management
  - Rules
  - Regulation
  - Enforcement

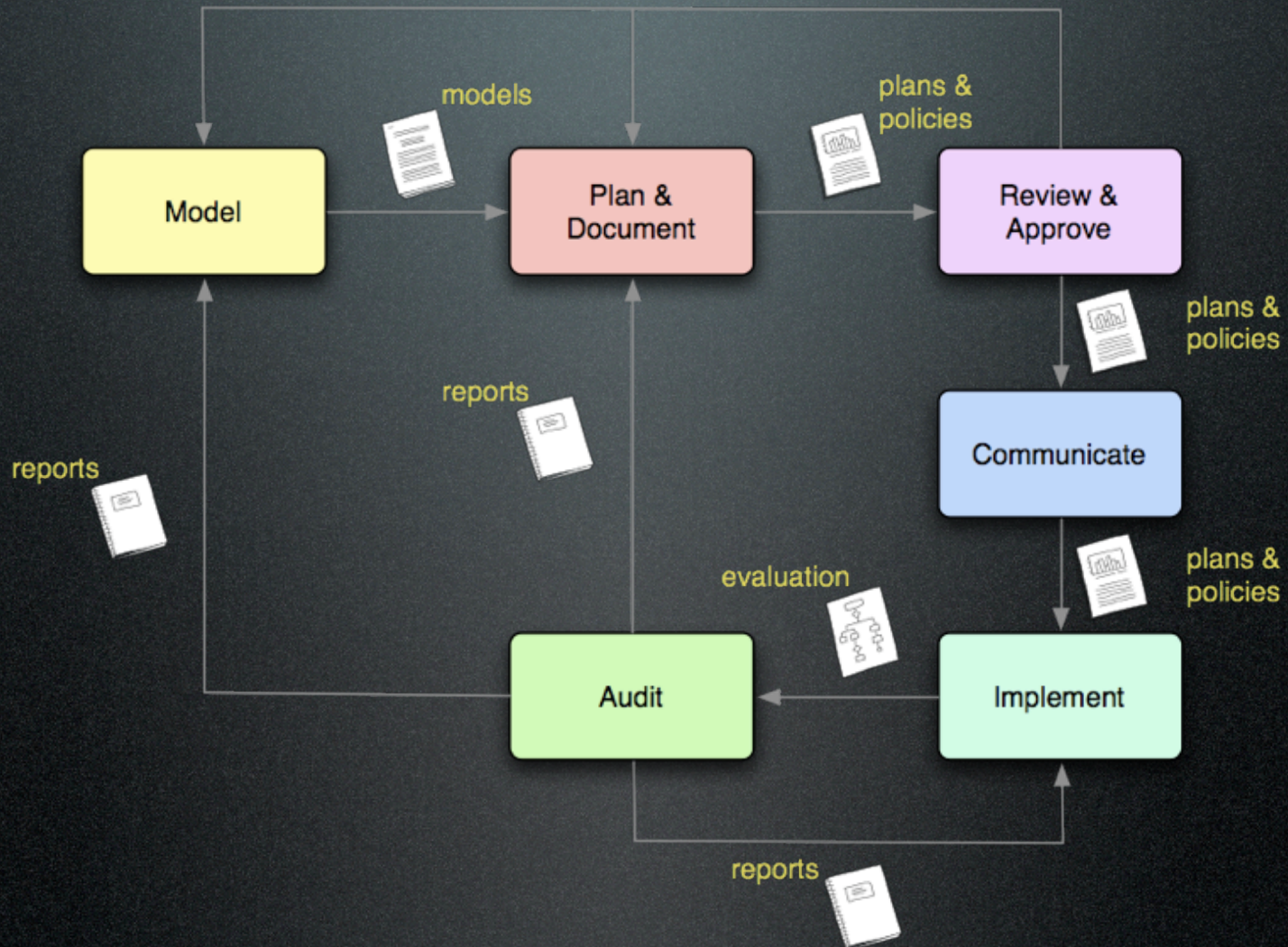
# Creating a IMA Strategy

## Key Steps

1. Governance
2. Business context
3. Resources
4. Policy
5. Interoperability framework
6. Reference architecture



# IMA Lifecycle



# Accountability vs. Enforcement



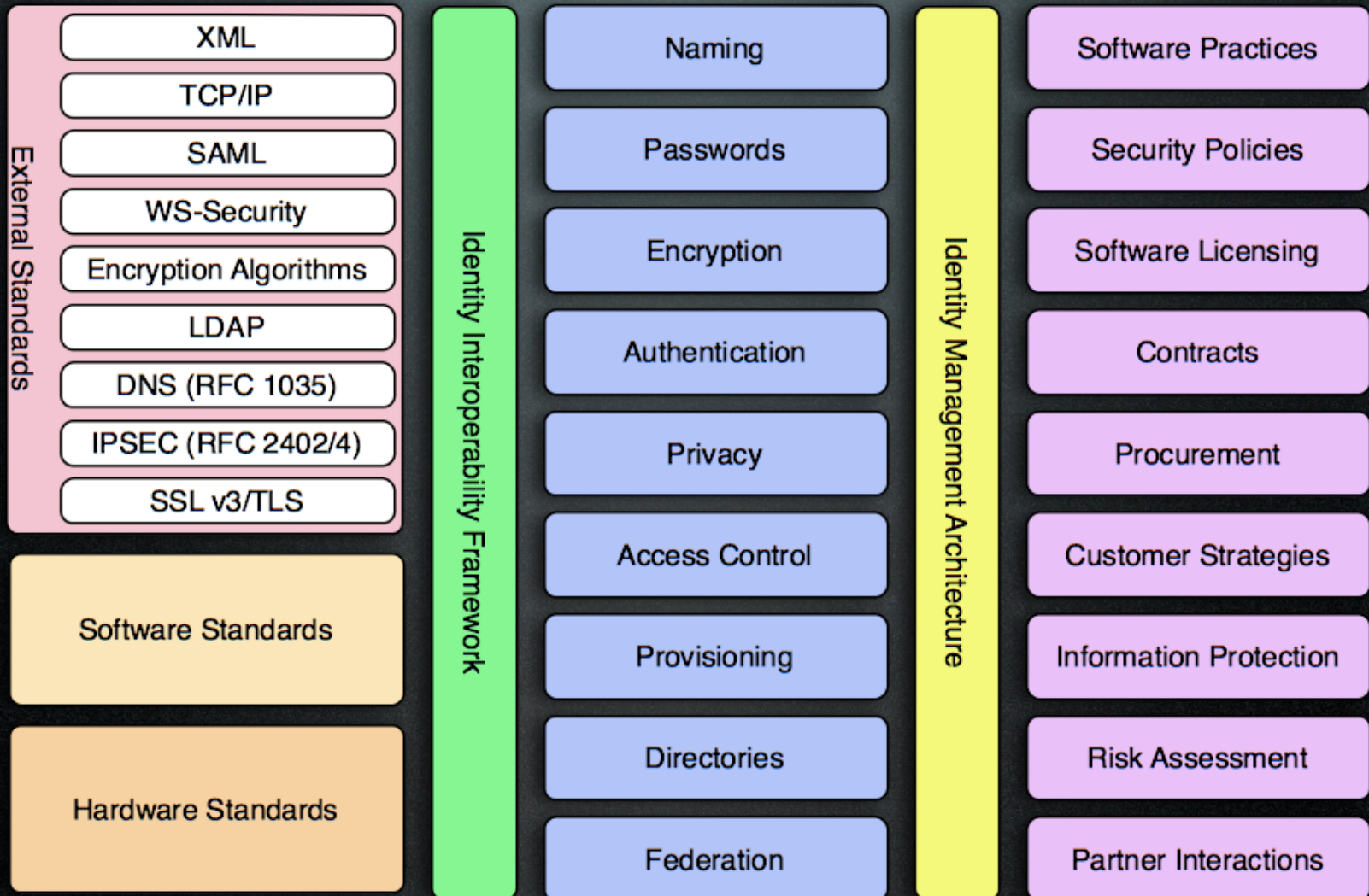
“Accountability is  
a log processing  
problem”

-Dan Geer

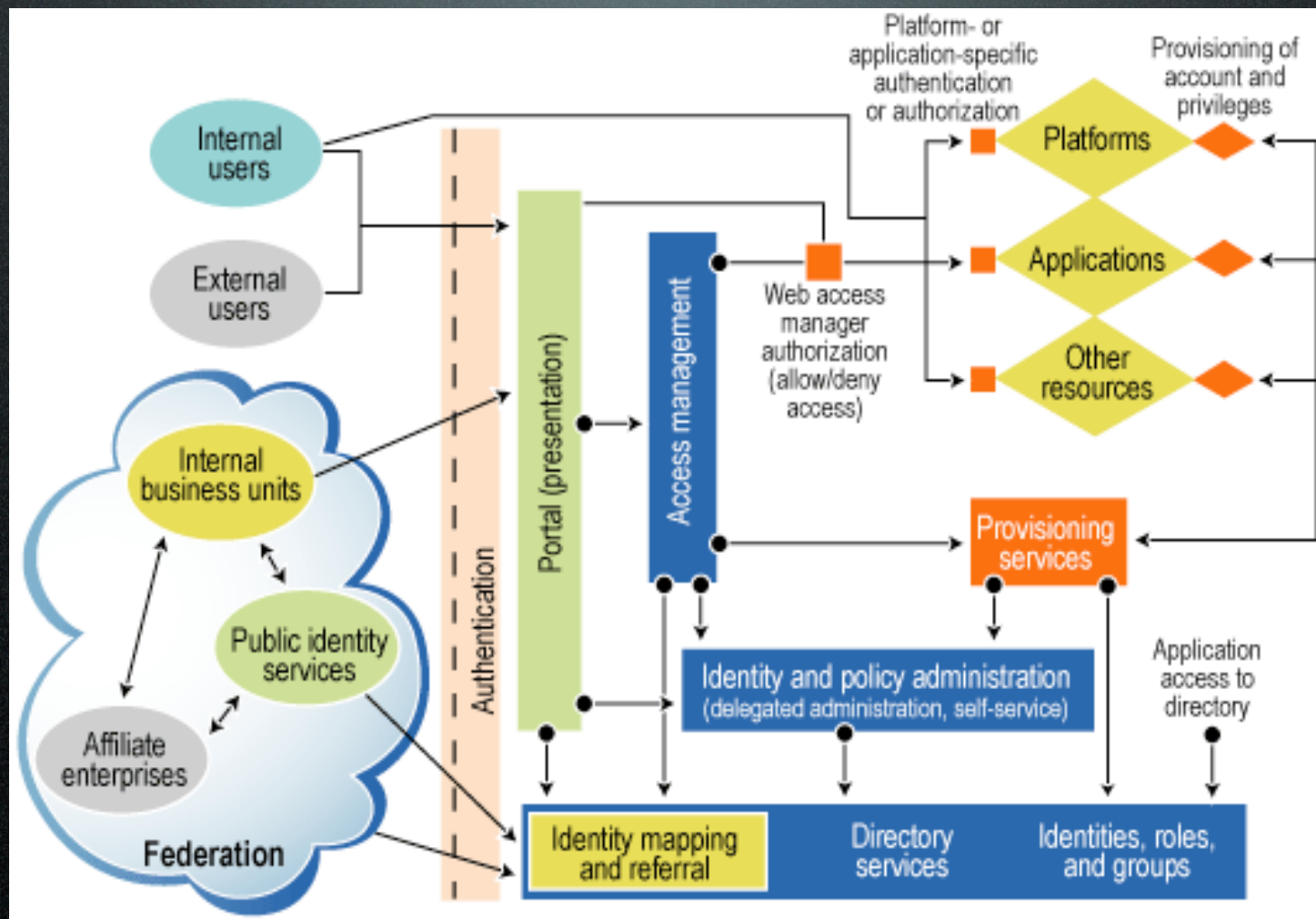
- Access control scales geometrically (its a multi-dimensional table)
- Accountability scales linearly
- Access control systems are incredibly vulnerable to DDoS attacks



# Identity Policy Stack



# Reference Architecture





The End

# Contact Information

## Contact me

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**Questions?**

