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## **Strong Authentication and Identity Management: Hand-in-Glove Enterprise Security**

**Best Practices Recommendations**

**Jonathan Penn**

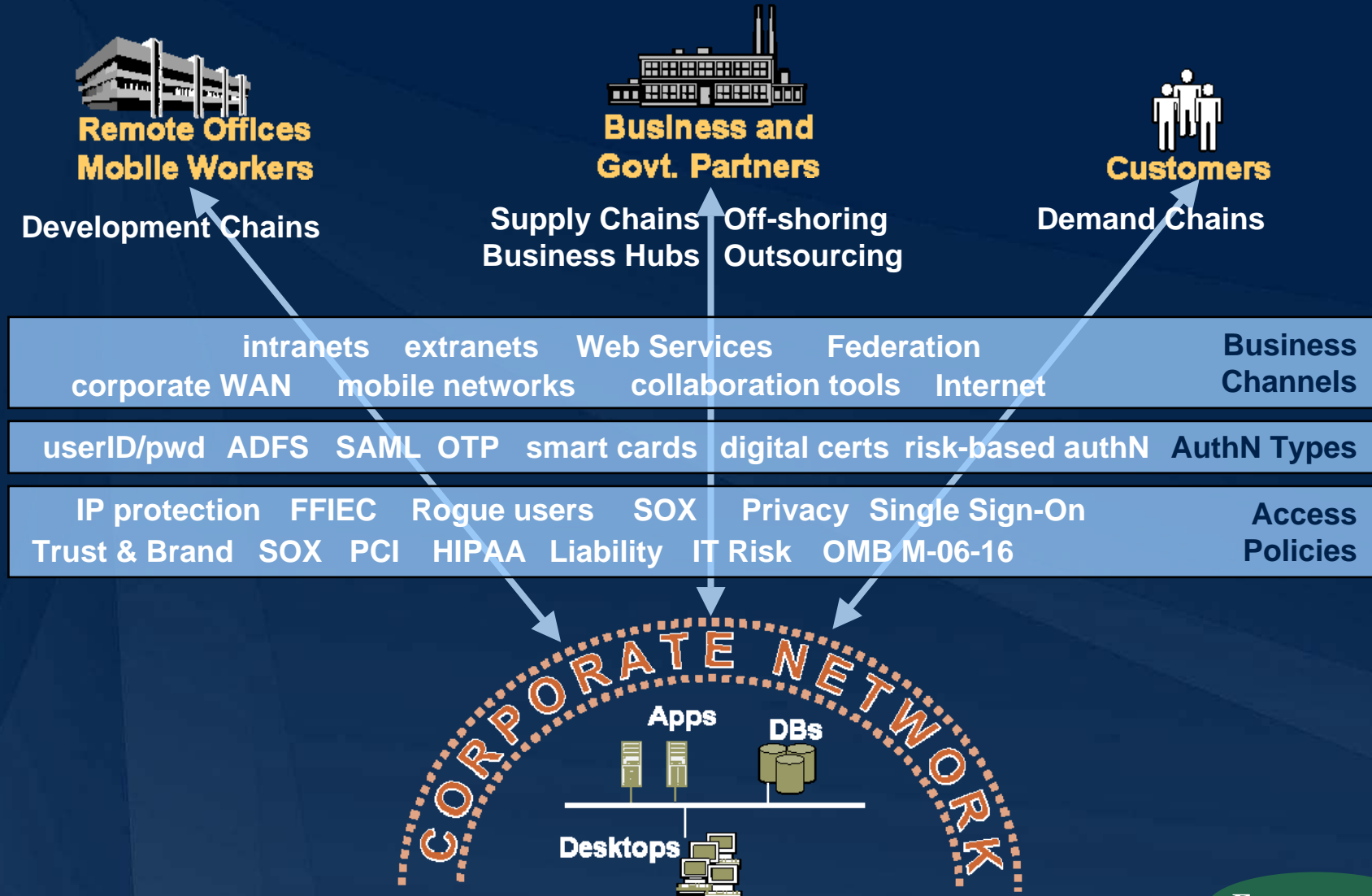
VP, Research Director

Security & Risk Management

Forrester Research

# Demands shaping Digital Business Architectures

## Tighter business relationships & broader availability of services



# Recommendations

1. Ask yourself if userID/password good enough for the next five years
2. View strong authentication as a strategic element of your identity infrastructure
  - » Trustworthy authentication is the foundation of security
  - » It ties into every aspect of identity management
  - » Adopting a mix of solutions requires an architectural approach
  - » Strong authentication pays off most when it is leveraged
3. Closely tie SSO to your authentication strategy
  - » SSO is as much a requirement as an enabler for strong authentication
4. Federation requires authentication re-think
  - » Extend identities across domains requires greater assurance of authentication



**Frank Villavicencio**

Director, Product Management  
Oracle Identity Management

# Industry's Best Practices



- Define a consistent grade of identity assurance
  - Assurance and risk levels should correlate
  - Balance security, convenience, privacy and compliance
- Monitor transactions without impacting the application
  - Shortens deployment cycles
  - Allow for more agility and flexibility
- Adopt common access management infrastructure
  - Consistent enforcement of security policies
  - Leverage existing investment in authentication and SSO
- Leverage Identity Federation to establish trust
  - Reduce proliferation and exposure of credentials

# Oracle IAM and Strong Authentication

<b>Authentication</b>	<ul style="list-style-type: none"><li>✓ Credential hardening</li><li>✓ Multi-factor authentication</li><li>✓ Graded authentication</li><li>✓ Anti-Phishing</li></ul>	Oracle Access Manager Oracle Identity Federation Oracle eSSO Suite
<b>Authorization</b>	<ul style="list-style-type: none"><li>✓ Session Management</li><li>✓ In-session risk monitoring</li><li>✓ Role-based access control</li></ul>	Oracle Access Manager
<b>Auditing</b>	<ul style="list-style-type: none"><li>✓ Auditing and reporting</li><li>✓ Forensic analysis</li><li>✓ Attestation</li></ul>	Oracle Access Manager Oracle Identity Manager
<b>Identity Administration</b>	<ul style="list-style-type: none"><li>✓ Registration</li><li>✓ Identity proofing</li><li>✓ Credential lifecycle management</li></ul>	Oracle Identity Manager

# Further Questions

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