The Evolution of Identity Management

Phil Becker,
Editor, Digital ID World
www.digitalidworld.com
IdM Began With A Centralized Paradigm

Admin/Management Interfaces  Single Identity Store  Run-Time Applications
Learned Scaling & Distribution But Remained Hierarchical

- Fault Tolerance
- Redundant Identity Stores
- Control & Authority Remained Centralized
Encountered The Internet

- Needed to cross-connect domains to scale globally
- Needed to de-centralize administration
- Needed to de-centralize Authority

Which Led To...
- Need to network identity stores
- Need to Share Trust cross-domain
Identity Federation

- Loosely Couples identity domains
- Scales Use w/o Scaling Administration
- Created an understanding of the networked nature of the task
- Opened Up Thinking, Allowing the Problems of Networking Identity to Be Better Seen and Described
Where We Want To Be

We’re Learning fast, But We Don’t Quite Know How to Do It All Yet
Where We Are Today

- Loose Coupling Multiple Identity Stores and Authorities Now Seen as Essential
- Working to Understand Cross-Boundary Process, Liability and Trust issues
- Now Realize We are Networking the Use and Administration of Separately Controlled Identity Domains
eAuthentication Initiatives

- OATH – Cross-Platform Secure Credentials
- Liberty Alliance – Methods and Standards for Federated Identity
- EAP – Private/Public Partnership for governance of digital authentication
- FICC- Federal Identity Credentialing Component (identity proofing, credential management, etc.)
- DCIS - Defense Cross-credentialing Identification System