Attribute Management

IDtrust 2012
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Attribute Management

Definition: Identity Attribute

Information bound to a subject identity that specifies a characteristic of the subject. –

Derived from the ITU-T X.1252 definition of "attribute"
Attribute Management

• Differences (Do they matter?)
  – Authoritative
  – Trusted, Derived
  – Central vs. Distributed (User) Management
  – Registration, Lifecycle and Policy
  – Carbon, Silicon, Context (e.g. Longitude, Latitude)
  – Government vs. Market
Attribute Management

- Lots of history (digital) and
  - X.500
  - PKI
  - LDAP
  - AD
  - OpenID
  - SCIM
  - BAE (US Fed)
  - X.1252, x.1254, x.....
  - .......
Attribute Management

• Lots of groups
  – Kantara Attribute Management Discussion Group
  – OIX AX
  – OASIS
  – Internet2
  – InCommon
  – FICAM (US government)
  – Most other national governments
  – EC/EU
  – ITU
  – .......
Attribute Management

• Lots of businesses in the business ($)
  – Facebook
  – Google
  – Experian
  – Equifax
  – Lexis-Nexis
  – ....
  – And more on the way...
Questions?

• How do you manage that?
• Are there gaps that can be addressed?
  – “Leaked’ Attributes
  – Normalization
  – Registration
  – Level of Assurance
  – Accreditation of Attribute Providers
  – Differences in Federation vs. Consumer
  – Differences in Easy vs. “Rich”
  – Availability, scalability, interoperability