Where Are We Coming From?

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W3C Identity in the Browser Workshop
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Where am I coming from?

• Research & Higher-Ed Federations worldwide
  • 30 national feds, thousands of IdPs/SPs, millions of users, wide range of apps, almost all SAML-based see refeds.org
  • research/collab sites, commercial partners
  • rich set of attributes for relationships, entitlements: it matters where you are from
  • many interesting scaling/policy challenges, but one comes first: IdP discovery, or really, how to make login work with many IdPs (aka "Nascar problem")
• (JISC/UK "Service Provider Interface Study", 2010)
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- **US Higher Education**
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  - Canadian Access Federation
  - Czech Academic Identity Federation (edulD.cz)
  - Danish Universities and Higher Education (WAYF)
  - Dutch Universities and Higher Education (SURF)
  - Elsevier Test Federation
  - French universities and grandes ecoles (RENAI
  - German Higher Education & Research (DFN-AAI)
  - HEAL-Link(aai) (Greece)
  - Italian Higher Education & Research (IDEM)
  - Japanese Research and Education (GakuNin)
  - MAMS Testbed Federation (Australia)
  - RCTSaa Federation (Portugal)
  - Romanian Federation
  - Servicio de Identidad de RedIRIS (Spain)
  - Swiss Higher Education (SWITCHaai)
  - Test Institutions (InQueue)
  - UK Access Management Federation
  - University of California, Merced
New protocols to the rescue?

- OpenID
  - cool logo to click on
  - discovery problem solved: just enter URL ... (not)
- Information Card / IMI
  - cool logo to click on
  - discovery problem solved: clickable cards in browser/OS represent IDs/accounts
  - some problems in practice
Kantara ULX WG

- Focusing on the login experience
  - sites want to externalize, want to federate
  - want protocol independence
  - need incremental improvement from username/pw
  - need UX to work for users across many deployment styles: in-SP, separate Selection Agent, in-browser
  - emphasis on selection from a defined set of IdPs
  - many subtleties in IdP choice: SPs may express prefs based on cost, LoA, protocol, etc
Existing Customer Sign-in

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current ULX prototype:
some recent Google UI work:
Andreas Solberg's foodl.org discovery UI:
A little help

• how can browser features help?
  • work with SP/ISA-provided Javascript to inject user's notion of preferred IdPs into discovery process

• consume IdP/SP capability formats
  • XRD? more lessons learned ...
  • JSON?