Interfederation

subgroup of
InCommon
Technical Advisory Committee (TAC)

spaces.internet2.edu/display/incinterfed

Mission

- Promote and pursue interfederation between the InCommon Federation and other SAML federations via a community-based process

- Both policy and technical aspects are in scope

Relationships

- refeds.org – int'l forum for interfederation discussions
- edugain.org – interfederation service
- other federations, including:
  - UK Access Management Federation (Ian Young)
    - ukfederation.org.uk/content/Documents/InterfederationTrialFAQ
  - Canadian Access Federation (Chris Phillips)
  - University of Texas System Federation (Paul Caskey)
  - K-12 enabled by regional networks (Mark Scheible)
    - www.thequilt.net/index.php/events/246-2013-quilt-incommon

Deliverables (June 2013)

- Use Cases
  spaces.internet2.edu/x/EQAwAg
- Plans for InCommon and UK Interfederation
  spaces.internet2.edu/x/tIA_Ag
- Lessons Learned
  spaces.internet2.edu/x/QwBOAg
- Report to Technical Advisory Committee (TAC)

- Links at
  spaces.internet2.edu/display/incinterfed

Use Cases

- International collaborations
  - (LIGO, NIH, Internet2, TERENA, Shibboleth)
- Online university course with int'l enrollment
- University published journal with int'l subscriptions
- Campus federations
- University system federations
- K-12
- Community colleges
- State agencies
- Federated wireless (eduroam)

Interop Across Federations

- ## Entity-to-entity metadata exchange
  - IdPs and SPs exchange metadata directly with each other.
  - Examples: 1) Google Apps and 2) LIGO SPs + KAGRA IdP in Japan

- ## Entity joining multiple federations
  - IdP or SP joins multiple federations to enable interoperability.
  - Example: LIGO (an InCommon member) also joining Italian Identity Federation (IDEM)

- ## Bilateral interfederation
  - Two federations enable interop across their combined membership.
  - Examples: UK with Edugate (Ireland) and (possibly) InCommon

- ## Multilateral interfederation
  - Multiple federations join a common technical infrastructure and/or policy framework.
  - Examples: eduGAIN and Kalmar Union

- ## Hierarchical federation
  - Examples: 1) U Texas System + InCommon and 2) Regionals (The Quilt) + InCommon

Successful Interfederation Pilot

LIGO users at Cardiff University (UK) logged in to LIGO wiki (US/InCommon)!

Thanks to

Steven for metadata aggregate

Ian for UK federation coordination

Scott for LIGO SP configuration

Rhys for Cardiff IdP configuration

Potential InCommon Next Steps

- Add PublicationInfo and RegistrationInfo to metadata
  - Helps with metadata aggregation across federations
- Support hierarchical federation
  - Automated import of external federation metadata
- Support bilateral federation
  - Build on pilot effort with UK federation
- Join eduGAIN
  - For multilateral federation
- Provide a production interfederation metadata aggregate
  - Stable source of external entity metadata
- Support additional entity tags in metadata
  - SP privacy policy, IdP discoverability, etc.

To participate, visit:

spaces.internet2.edu/display/incinterfed

- Weekly calls Tuesday noon Central Time
- Join the interfed@incommon.org email list

All are welcome!