Community Tagging

Sprint Demo – May 14, 2019

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Community tagging team

Community Tagging - "Pixie Dust" - Usecase

- Research communities have a need to express and potentially share certain trust marks on IdPs and SPs. These trust marks may differ from existing trust marks issued by identity federations, or may be put in to compliment existing ones, in case the federation operator does not support these, like e.g. in the case of SIRTFI.

- This activity tries to implement a technical solution that matches the requirements as described by the SIRTFI community and investigates usability of the solution for research communities and the impact of the solution of Identity federations. It also explores potential other scenarios where a similar methodology could be used, like e.g. REFEDs MFA and in the context of the IdP self assessment tool that was developed in GN42

- It does not consider itself with the questions on where and how such a tool would be used in the context of existing trust frameworks.

Activity goals

- Create technical implementation based on SIRTFI+ Registry document

  - Distil technical requirements from SIRTFI+ Registry document;
  - Create/Describe technical design;
  - Buy or build (or modify existing);
  - Improve trough sprint iterations;
  - Interact with SIRTFI working group to improve features if needed.

- Learn and discuss flows and usability in 'real world' (Collaborate with LIGO)

- Deploy working setup so it can be tested with stakeholders

- Explore and describe (& implement) authZ architecture in collaboration w/ SIRTFI working group

- Bonus: Explore other usecases

Community tagging considerations

- Technical considerations
  - Existing tools
  - Architecture
  - Functionality
- Policy (rules) wise:
  - Decision making
  - Trust

Status

- Collecting requirements - done
- Existing tool considerations – ongoing
    - (Some) tools do exist, evaluation still ongoing
- Create functional architecture based on requirements – initial version of the doc done

Functional architecture overview

- Web portal
  - Federated login (including admin)
- Self assertion of the tag, by "invitation" only
- Flow resembling: https://access-check.edugain.org/
- History of taken actions/steps
- Identified issues:
  - "Official" Sirtfi support (i.e. which federations support it)
  - Signing key (storage, usage, etc.)
- https://docs.google.com/document/d/1Hwdi7iO3v2U-RrzgT_EhL7AA0xkE9RIr_bQac2IhZ3M/edit?pli=1#
- https://wiki.geant.org/pages/viewpage.action?pageId=120500327

Community Tagging - "Pixie Dust" - Status