AAI: systematically addressing the attribute release problem

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Every scholar in the Social Sciences and Humanities (SSH) in every EU and Associated country should have direct single sign-on access for research purposes … made available by public bodies.

because of licensing, personalised services, group collaboration etc.
How

- home organisations provide identities
  - one account, single sign-on, security, easier for services
- home organisations->national federations
  -> inter-federating
- CLARIN SPF
Requirements

- user identifiable to the same real person in time
  - retention policy or non-reassignable
- basic attributes e.g., required for authz.
Problems

- requirements on the identity provider
  - registration policy differences
- attribute release problem
  - Research&Scholarship entity category
  - CoCo
State-of-the-art

- not technical problems!
- 2.5 thousand Identity Providers
- improving coverage has resulted in minimum requirements
What can be done

- create a tool that simplifies life of service providers
  - monitoring
  - reporting issues
What can be done

- create a tool that simplifies life of identity providers
  - once attribute release fixed, fix it for all CLARIN service providers
Attribute Aggregator

- software that collects **names of attributes** that were released by an Identity Provider to a Service Provider and processes them
Attribute Aggregator

- script that can be integrated with the most used federation software - Shibboleth
- script that can be used with any federation software
- web application that collects and visualises the results
CLARIN+ attribute aggregator

9 participating service providers

- 1x LINDAT/CLARIN
- 1x CLARIN.IT
- 1x CLARIN.SI
- 2x CLARIN-D
- 3x CSC-IT Center for Science
- 1x CLARIN-ERIC

PLEASE JOIN!
CLARIN+ attribute aggregator

- [https://lindat.mff.cuni.cz/services/aaggreg/](https://lindat.mff.cuni.cz/services/aaggreg/)
- open source
  - [https://github.com/ufal/clarin-sp-aaggregator](https://github.com/ufal/clarin-sp-aaggregator)
  - [https://github.com/ufal/lindat-aai-attribute-aggregator](https://github.com/ufal/lindat-aai-attribute-aggregator)
- deployed at the end of April 2016
  - imported statistics from LINDAT/CLARIN
CLARIN attribute aggregator

- IdP count increased to 181
  - at least one user from that IdP has tried to connect to one of the 9 service providers
- 10+ IdPs have been “fixed”
- a few federation issues have been identified
CLARIN attribute aggregator
CLARIN attribute aggregator

University of Tampere vs. ORP Concordance search service for text corpora

https://shibboleth.uta.fi/idp/shibboleth

Send a howler to haka@uta.fi

University of Tampere

Registrar:

https://sp.korp.csc.fi/

With this service you can study text corpora.

Registrar: http://www.csc.fi/haka

http://www.geant.net/url dataprotection-code-of-conduct/v1
CLARIN attribute aggregator

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- technical: jan.weiland@uni-jena.de
- support: shibboleth@uni-jena.de

Send a howler to jan.weiland@uni-jena.de

Identity Provider for Students and Employees of Friedrich-Schiller-Universität Jena


VS.

CLARIN.SI Repository

- administrative: repo-admin@clarin.si
- technical: repo-technical@clarin.si
- support: repo-help@clarin.si

CLARIN.SI: Digital repository and services of the CLARIN language research infrastructure, hosted at Jožef Stefan Institute, Ljubljana, Slovenia

Registrar:

- http://www.geant.net/url/dataprotection-code-of-conduct/1
- http://refeds.org/category/research-and-scholarship
On behalf of one of the Service Providers from CLARIN Service Provider Federation (SPF) [1] we would like to inform you that users from your home organisation tried to access a protected service or resource but were unable to do so because your Identity Provider has not released all the mandatory attributes.

All the Service Providers in the CLARIN SPF are:
1) implementing the GÉANT Data Protection Code of Conduct [2];
2) are members of the REFEDS Research and Scholarship Entity Category [3];
3) are CLARIN members and have the http://clarin.eu/category/clarin-member Entity Category which you can use for filtering.

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Aggregator features

- collects attribute names
- identifies problematic connections
  - no attributes
  - incorrect behaviour
- issue reporting with one click
- statistics
Future (on-going) work

- harmonise entity category used to distinguish CLARIN service providers in SPF
- optional integration with Attribute Checker

https://wiki.edugain.org/How_to_configure_Shibboleth_SP_attribute_checker
Thank you