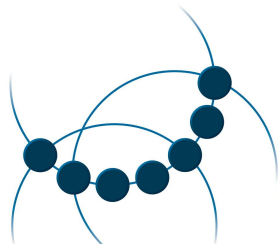


AAI: systematically addressing the attribute release problem

Jozef Mišutka, Ondřej Košarko, Amir Kamran



CLARIN+



CLARIN

- *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

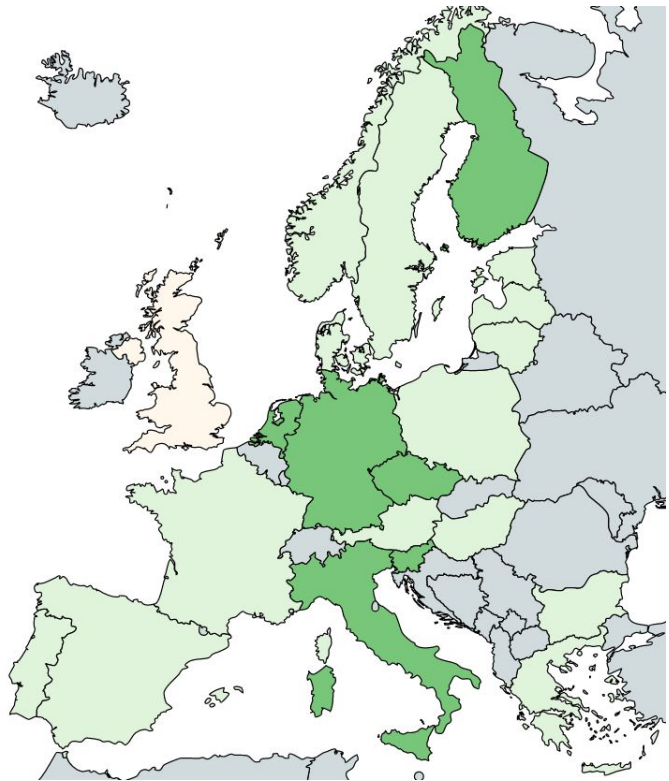


Attribute Aggregator

- 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/>
- open source
 - <https://github.com/ufal/clarin-sp-aagggregator>
 - <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

AAggregator

Logins

⊖ Nasty IdPs

⊖ Bad IdPs (only 1-2 attributes released)

📊 Statistics

☰ SPF SPs

📧 SENT EMAILS

👤 836725390

25 🕒 2016-10-26 10:29:38.951

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



University of Tampere

✉ **technical** haka@uta.fi



Send a howler to haka@uta.fi

🏠 University of Tampere

Ⓜ Registrator:

VS.



ID (kind-of) friendly

Meta-Small-Logo

Meta-displayName

Meta-informationURL

Meta-organizationURL

eduPersonPrincipalName.js

entitlement

unscoped-affiliation



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



Concordance search service
for text corpora

✉ **administrative** fin-clarin@helsinki.fi

✉ **technical** kiellipankki@csc.fi

✉ **support** jyrki.niemi@helsinki.fi

🏠 With this service you can study text corpora.

Ⓜ Registrator: <http://www.csc.fi/haka>

<http://www.geant.net/uri/dataprotection-code-of-conduct/v1>

CLARIN attribute aggregator

Agregator Logins Nasty IdPs Bad IdPs (only 1-2 attributes released) Statistics SPF SPs SENT EMAILS 83672539@

3 2016-09-23 10:32:00.266

<https://idp.uni-jena.de/idp/shibboleth>

Friedrich-Schiller-Universitaet Jena

administrative klaus.rosifka@uni-jena.de
 technical jan.weiland@uni-jena.de
 support shibboleth@uni-jena.de

[Send a howler to jan.weiland@uni-jena.de](mailto:jan.weiland@uni-jena.de)

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

Registrator: <https://www.aai.dfn.de> (2012-06-15T11:42:25Z)

VS.

[https://sp.clarin.si/](https://sp.clarin.si)

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

Registrator:

<http://www.geant.net/uri/dataprotection-code-of-conduct/v1>
<http://refeds.org/category/research-and-scholarship>

CLARIN attribute aggregator

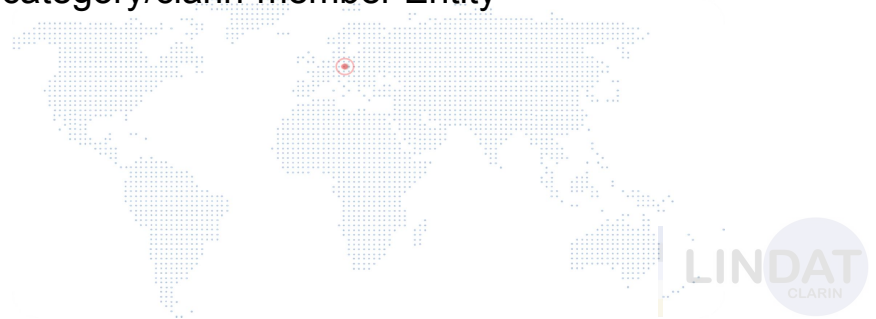
....

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.

.....



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

