TRUST & IDENTITY INCUBATOR

First Results

The first incubator cycle ended in October 2019.
Each incubator cycle takes 6 months and follows an agile methodology.

https://tinyurl.com/wfhacvy

IdP as a Service

Create a reference design and implementation for an easy to use software solution to enable NRENS to provide an Identiy Provider (IdP) as a Service offering

- IdPaaS Reference Implementation
- IdPaaS RfC
- Open-source solution: samlidp.io
- IdPaaS Reference Design

Work concluded - samlidp.io is available for those interested in using it

Shibboleth OIDC extension

To further develop the Shibboleth OpenID Connect Extension for Shibboleth Identity Providers

- Finalised extension development
- Addressed bugs and features requests from the community
- Extension certified by OIDC Foundation

Work concluded - Results handed over to Shib consortium

ORCID as Identity Provider of last resort

Integration of the widely used ORCID service into the GÉANT IDHub as Identity Provider (IdP)of last resort for researchers and others who are not affiliated with a national federation

- Investigated usage of ORCID Member API in IdHub
- Evaluate and agree organisational and legal aspects to use ORCID as an identity provider in eduTEAMS and eduGAIN"

Work concluded - Results to be further developed in the IDHub

Community Tagging aka 'Pixie Dusting'

Enable research communities to express additional trust marks for entities in eduGAIN.
Implement a proof of concept based on requirements from Sirtfi.

Technical prototype combining existing tools (i.e. Access Check tool and Jagger)

Work concluded - documentation on the prototype available

Distributed vetting for 2FA

Investigates with research communities how the token registration can be scaled in cases where participants are distributed in Europe

- Investigate existing methods for identity vetting & token registration
- Assess LoA
- Explore possible workflows

Work continues for another cycle

Discovery Pilot

Evaluate the pilot service ran in the previous GÉANT project, gathered new requirements and investigated how to use Seamless Access results for an implementation for eduGAIN

- Evaluated status current pilot software
- Evaluated implementation of technology developed as part of RA21 project
- Prepared handover of pilot to eduGAIN servce activity

Work concluded in the incubator - work continues in eduGAIN service

Cryptech HSM

Evaluate Diamondkey HSM, which uses the Cryptech HSM modules, in terms of capability and applicability to use cases gathered within the GÉANT project

- Evaluated usage of Diamond key Appliances and capabilities
- Detailed community use-cases for HSM

Work could not be concluded as Diamondkey seased operations during the evaluation period.

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