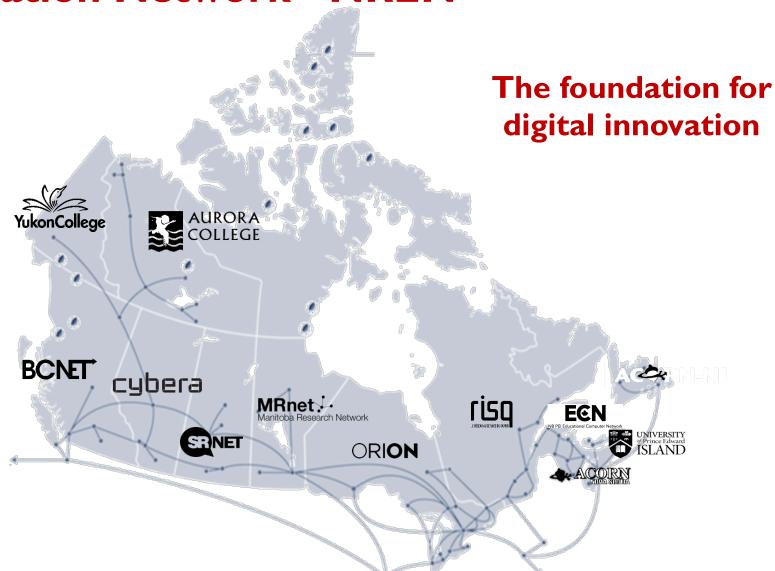


FIM4R: CAF Update & Canadian Perspectives

Chris Phillips | Sept 18, 2017 | FIM4R Montreal

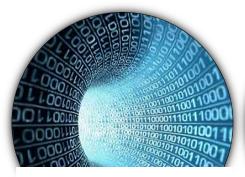


Canada's National Research and Education Network - NREN



Composed of CANARIE and 13 regional partner networks (RANS) all connected to the CANARIE backbone. 1 RAN in each province and in 2 territories & 1 in Ottawa for federal government labs.

CANARIE's programs support Canadian excellence in research and innovation



Network





Identity Management

canarie.ca/identity



The second secon

canarie.ca/cloud



Research Software

canarie.ca/software

Research Software Program

CANARIE funds & supports the development of software for research:

- Research Software Platforms / Science Gateways a software system that supports most or all of the functionality a researcher uses in their research workflow
- Software Services a software component that contributes one piece of functionality to a research platform.

Available to all researchers at:

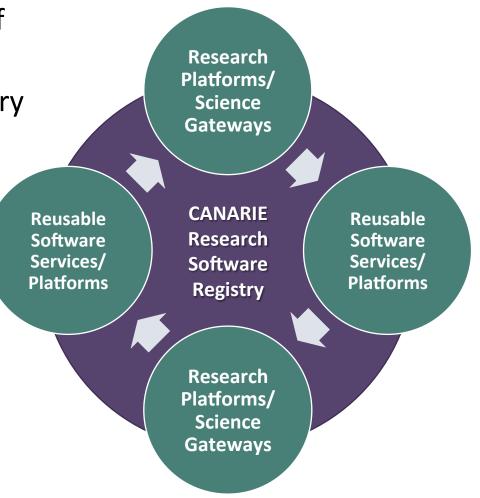
science.canarie.ca



An innovative cycle of software reuse

> Enables more effective use of research funding

> Accelerates scientific discovery



Research Data Program

Contributing to the development of key elements of Canada's research data management ecosystem

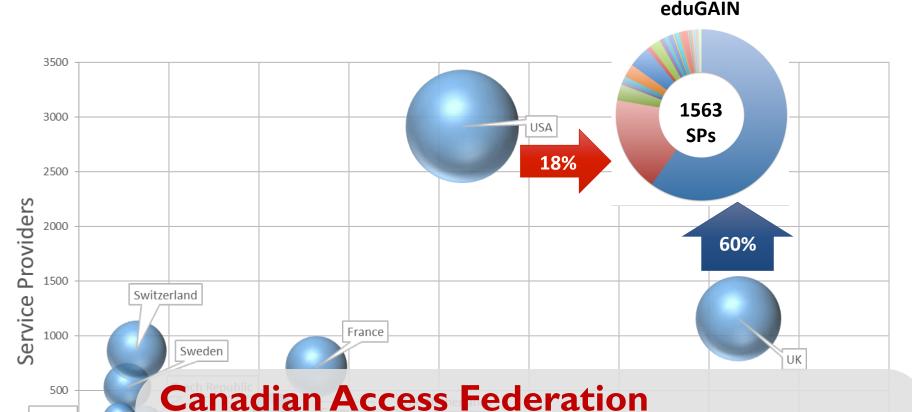


Recommendations that support data management policies

Accessible, interoperable & appropriately preserved data sources

Standards & best practices

National plan for data management



Carragian Access rederación

- Operate two trust fabrics having 147 overall Participants:
 - eduroam 106 sites (some sites belong to both)
 - Federated Identity Management (FIMS) 46 IdP, 75 Services
- Engage in close partnerships with InCommon and JISC
- Strong eduGAIN advocate leveraging external services

canacio 🐠

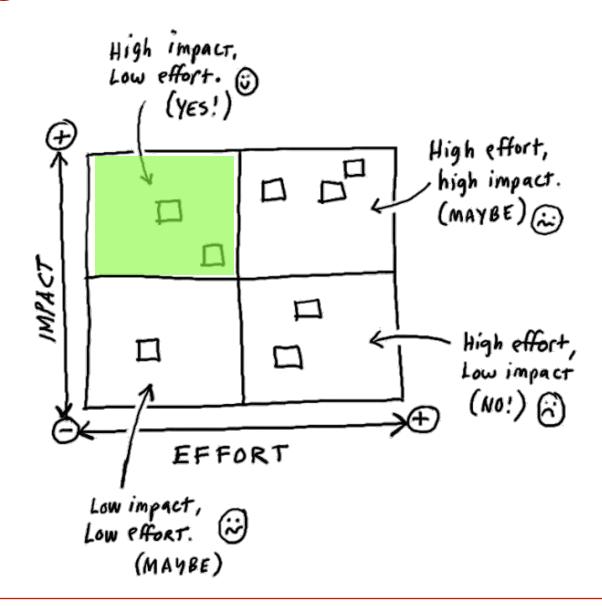
*Bubble area represents total size of federation

Finland

0

-500

Prioritizing our Work



Ensuring All IdPs are globally visible in eduGAIN

- > Milestone:
 - 100% of CAF IdPs are in eduGAIN as of August 15, 2017
- > Full IdP coverage means easier access to services
- > Export of new services will be default going forward.
- > Participating in eduGAIN's review of profile to improve quality of metadata

Number of entities in eduGAIN

All: 49

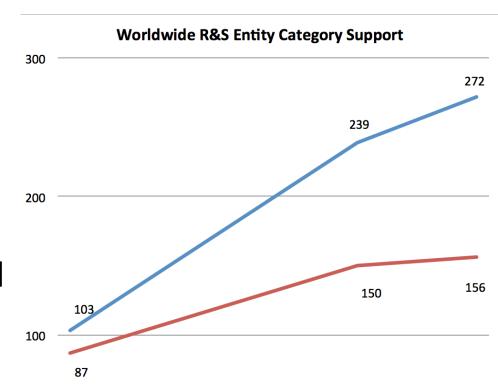
IdPs: 46

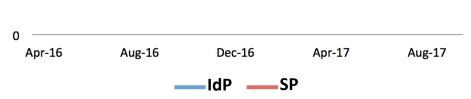
SPs: 3

Support For R&S Entity Category

> Milestone:

- CAF offers R&S entity category support, as of August 31st, 2017
- > Easier access to services
- Engaged with all Higher Ed CIOs for top-down broad adoption
- > Working with key services driving adoption

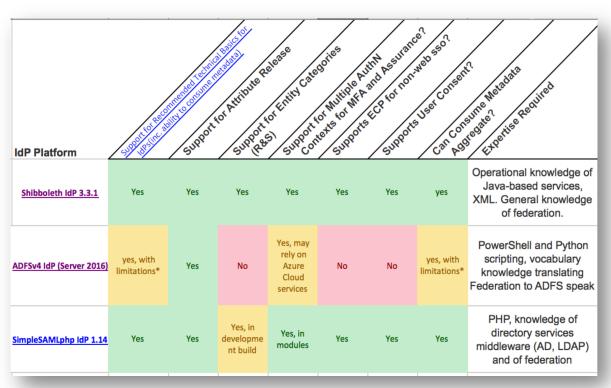




Jump to R&S Explained

Simplifying Installation & Improving Software Guidance

- > Milestone:
 - Updated software capability assessment & recommendations for Fall 2017
- > CAF Automation tools
 - ease installation
 - raise the bar for base configuration
- Simplifies complex technology choices
- Highlights features important to community



Future Areas of Interest and Activity

- > Improving attribute release
 - R&S support reach
- Improving reach
 - Bring in late adopters more quickly
- > Improving holistic view of federated ID
 - Focus on sustainable non-web SSO approaches
- > Improving user experience (UX)
 - Discovery v.Next → involved in RA21.org
- > Improving security
 - Help keeping current to be low effort → automation, containerization
 - SIRTFI
 - Gathering requirements/interest for authorization scenarios to identify common needs.

Identifying and showing a solution is only a part of the story.

We are not a singular technology, but a blend of principles, process, and delivery models.

We help aggregate need and interests to execute at scale.

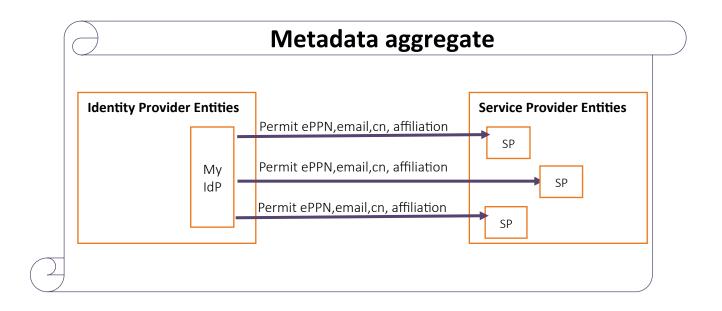






canarie.ca @canarie_inc

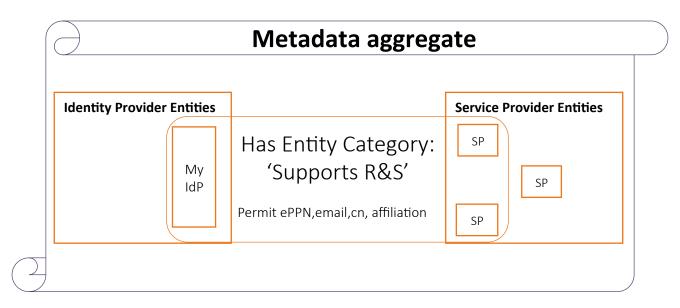
Attribute Release in Practice



> Classic service by service release style

- Create policy for each service you want to trust
 - —1:N entities
 - —Fine grained, one time, but higher effort

Scaling Attribute Release with Entity Categories



- > Leverage entity categories style
- > Create policy for each category you want to trust
 - 1 category = many entities
- > Policy is to the category criteria, NOT the entity identifier
 - Equally thorough, less effort to maintain
- NO effort to enable new services who receive category; they just start working
 Jump back to R&S