About CANARIE

• CANARIE is a federally-funded not-for-profit whose core purpose is to advance Canada's knowledge and innovation infrastructure
• We are the federal partner in Canada's NREN
• We have an enhanced cybersecurity mandate and are collaborating with the provincial partners across Canada
• We are the federation operator for Canadian Access Federation and eduroam in Canada
CAF and eduGAIN

• CAF covers nearly all 92 Canadian universities, colleges uptake improving but slower, all in eduGAIN
• Trends:
  • 60% Shibboleth – most popular config: Azure AD proxying with hybrid on-prem + AAD
  • 30% ADFS with ADFSToolkit - new sites are split either ADFS or Shib on windows with/without proxy
  • R&S and SIRTFI tagging becoming much more common rather than exception

As of April 2021
Solutions we support and endorse

- Completely on Premises
  - Shib v. Existing
  - Latest Shib v4 default, Proxying as Pass-though or Hybrid
  - ADFS + ADFSToolkit v. Existing
  - ADFS + Latest ADFSToolkit v2

- Hybrid

- Completely Cloud Native

Directly Supported Platforms:

- SATOSA
- SimpleSAMLPHP
- Apereo CAS

Endorsed R&E Capable Platform: Apereo CAS
Our aim

Being the best option at securing identity and services for scalable, authentic, trustworthy, and robust online collaboration with

- Faster implementation times
- Least support and sustainment effort for all
- Path of least resistance embracing IAM best practices at scale
Challenges driving us toward new targets

Pressures from all sides: budgets shrink, skilled workforce depleting, time on task difficult

Sites flocking to platforms rather than software solutions

Drove us to invest in

| Promotion of REFEDS-MFA across platforms | ADFSToolkit v2.1.0 with REFEDS-MFA support | Shibboleth IdP with Azure AD proxying to link to platform | Working toward *as-a-service offerings |
Topics we are eager to discuss

- Able to collaborate with other R&E IdPs using Sharepoint.com?
- Proxy-as-a-service – have you operationalized yours and on what?
- persuading members to keep IdP software current/patched for security (SIRTFI) compliance?
- Federation management technology – where are you on your lifecycle with it?
- IAM group management for zero trust models – tried and true blueprints yet?