BRING YOUR OWN ID (BYOID)

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AGENDA

This Lightning Talk will discuss using free and open source software to 'federate' IDs with the likes of Apple, Facebook, Google, and Microsoft.

IMPETUS

- In some situations research subjects may interact directly with research software:

    - research portals

    - longitudinal studies

- In these situations, an account relationship with the subject may be required

- Establishing and maintaining research subject accounts can be fraught with problems

- What if researchers and research subjects could use existing account IDs?

HOW DO YOU DO THAT?

- Researchers, research subjects and their 'social' Identity Providers:

  - Apple
  - Facebook
  - LinkedIn
  - Microsoft
  - Github
  - Google

- Identity brokers enable the support of one of these option

- Inter-operability facilitated by Open Standards (e.g. SAML, OIDC)

- Existence of free and open source solutions (e.g. Shibboleth, Keycloak)

BYOID: ARCHITECTURE

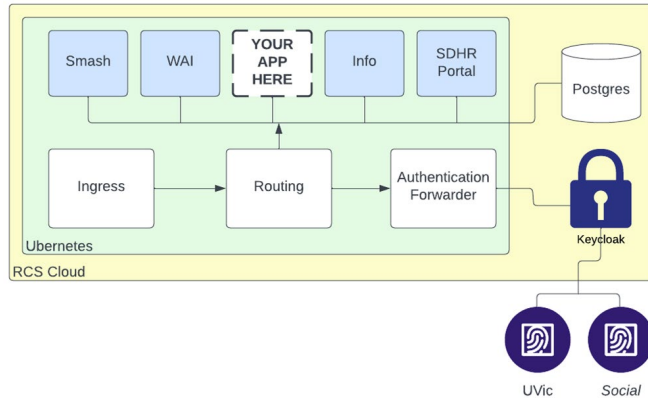Example Research Software Identity Broker Example Identity Providers

jupyter

1. Select IDP

2. Login request

4. "claims"++

3. IDP "claims"

Custom App

Custom DB

"claims" can include information such as name, roles, and other profile information

Apple

Facebook

LinkedIn

Microsoft

Github

Google

Canadian Access Federation

EXAMPLES

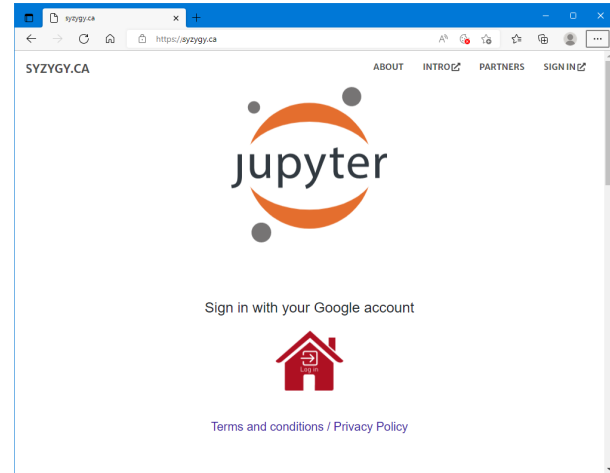| 1. STRAP	2. SYZYGY
Web applications for institutional account holders and Social logins	Jupyter for institutional account holders and Google users

EXAMPLES
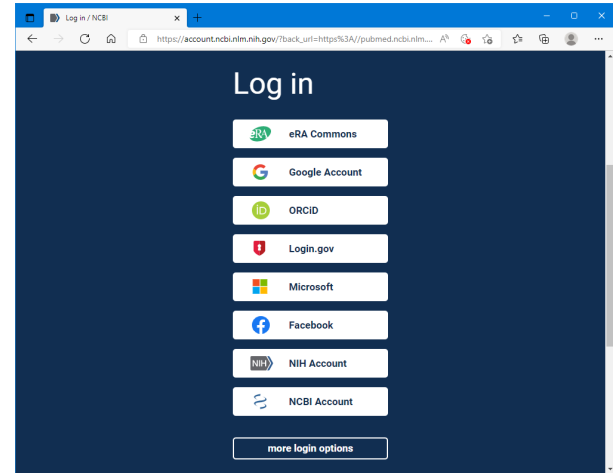
3. Mountain Legacy Project	4. PubMed
Upload and manage photos using Social logins	Access to the US National Library of Medicine via many, many options
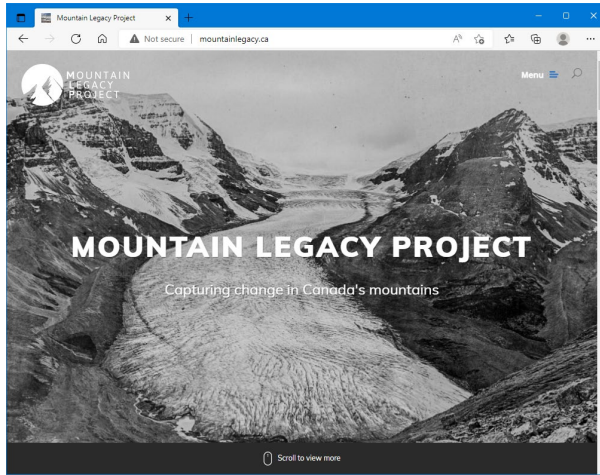
HOW TO GET THERE

- Avoid creating identity silos (not another password!)
- Consider what accounts your research subjects already have and will likely continue to have over the span of your research
- Explore free and open source options
- Ask for help

Thank you!

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