Data Federation Training Working Group

Updates and Vision for the Future

Members

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Objectives

From the Working Group Proposal

"... This working group will provide training resources on data sharing technologies, either via a collection of existing, vetted training materials; generation of new, written training materials; and/or other materials…"

"...Roughly one third of data federation survey respondents indicated that they would benefit from learning more about Discoverable APIs; Linked-Data; Client-side integration of results from multiple data sources; Index-driven search technologies; Data Management Systems; and Data Sharing via services (e.g. Globus)..."
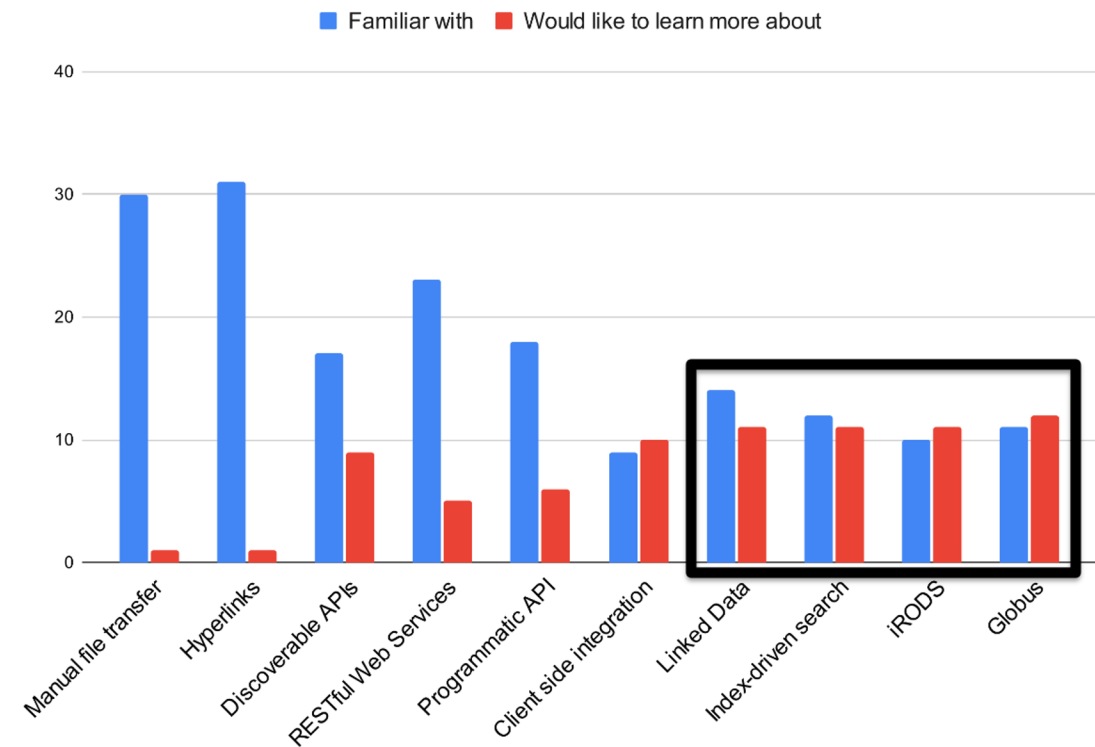
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Results – Technology awareness

What data sharing technologies *are you familiar with*?

What data sharing technologies *would you appreciate learning more about*?

Updates

- Finding a meeting schedule
    - Every other Friday at 12 EST
- Developed a short term strategy to begin working
    - Create a list of technologies to focus on
    - Learn about these technologies through a series of guest presentations
- Two presentations down, more scheduled
    - March 17 - Peter Selby - BrAPI (https://youtu.be/K8NQehzBTDA)
    - March 31 - Mark Wilkinson - RDF (https://youtu.be/c8fZaGU3d0A)
    - May 26 - Nirav Merchant - iRODS
    - June ?? - Cyril Pommier - Index driven search, FAIDARE
    - ?? - Linked-data (JSON-LD)
    - ?? - GraphQL
    - ?? - Globus

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Future Vision

- Repository of training material
  - Recordings
  - Written material for example use cases
  - Links to further training material and documentation
- Demo of at least one of the technologies
  - Simple use case, low cost demo
  - Illustrate what can be done, inspire further development
- Assessment of matching technology to use case
  - Document examples of when some tech is better suited than others
  - Advise the community on where to focus their efforts
- Touch base with Education WG

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Discussion Questions

- As a database maintainer, what types of data do you have available that you think is in common with other groups/systems/databases?
  - What data do you have that is unique, but generally useful for the community?
  - What community standards are you using?
- As a scientific user, what types of data do you want but are having trouble accessing?
- What medium would be best for the training?
  - Would a repository of training materials be helpful?
  - Would a demo of technology be helpful?
- Who is the audience for the training?
  - Who needs this training from your group and what is their role (PI, student, developer, scientist, etc)?

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