

# 2019-04-23 - VIVO Development IG

## Date

23 Apr 2019

## Call-in Information

Time: 11:00 am, Eastern Time (New York, GMT-05:00)

To join the online meeting:

- Go to: <https://duraspace.zoom.us/j/823948749>
- Or iPhone one-tap :
  - US: +14086380968,,823948749# or +16468769923,,823948749#
- Or Telephone:
  - Dial(for higher quality, dial a number based on your current location):
  - US: +1 408 638 0968 or +1 646 876 9923 or +1 669 900 6833
  - Meeting ID: 823 948 749
- International numbers available: [https://duraspace.zoom.us/join?m=Qy8de-kt6W4fMMDQCAV\\_3qfH1W-lxAo5](https://duraspace.zoom.us/join?m=Qy8de-kt6W4fMMDQCAV_3qfH1W-lxAo5)

## Slack

- <https://vivo-project.slack.com>
  - Self-register at: <http://bit.ly/vivo-slack>

## Attendees

[blocked URL](#) Indicating note-taker

1. [Don Elsborg](#)
2. [Huda Khan](#) ★
3. [Ralph O'Flinn](#)
4. [Andrew Woods](#)
5. [Steven McCauley](#)
6. [Harry Thakkar](#)
7. [Julia Trimmer](#)
8. [Richard Outten](#)
9. [Jim Wood](#)
10. [Alex Viggio](#)
11. [Brian Lowe](#)
12. [Robert Nelson](#)
13. [Greg Burton](#)
14. [Andrei Tutor](#)
15. [Paul Albert](#)
16. [James Silas Creel](#)
17. [Douglas C. Hahn](#)
18. [William Welling](#)
19. [Benjamin Gross](#)

## Agenda

1. TAMU Scholars Demo

Texas A&M University will be demonstrating work that has been completed on their replacement for the VIVO user interface front end ([TAMU Scholars](#)). This replacement front end is based on [Solr](#), [Spring Data](#), and [Angular Universal](#). The basic goals of this front end are:

- a. Align the technology stack as much as possible with the existing VIVO stack to assist with ease of implementation by others if they choose especially smaller libraries.  
Read only UI.
- b. NO updating back to the triple store.
- c. 100% Search Engine Optimization. IE: A person / crawler does not need JavaScript enabled for page rendering. Server side, and Client side rendering if needed.

TAMU Scholars follows much of the same ideas of the [VIVO Scholars Task Force](#) but with a slightly different technology stack. ([GitHub Repo](#))

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[TAMU Scholars Link](#)  
[Spring Data Solr API Link](#)

2. Other topics (that can be pushed to next week)

a. type    key    summary    assignee    reporter    priority    status    resolution    created    updated    due

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b. VIVO-Docker2 [pull-request and approach](#)

# Tickets

1. Status of In-Review tickets

type    key    summary    assignee    reporter    priority    status    resolution    created    updated    due

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2. Received

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b.    Unable to locate Jira server for this macro. It may be due to Application Link configuration.

c.    Unable to locate Jira server for this macro. It may be due to Application Link configuration.

d.    Unable to locate Jira server for this macro. It may be due to Application Link configuration.

3. Bugs (1.11)

type    key    summary    assignee    reporter    priority    status    resolution    created    updated    due

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# Recording

<http://bit.ly/vivo-tamu-scholars-2019-04>

## Notes

Draft notes in Google-Doc

- TAMU demo
  - Scholars UI API: [demos.library.tamu.edu/scholars-ui-service/api](https://demos.library.tamu.edu/scholars-ui-service/api)
    - Spring Docs API documentation
      - Sample request and responses
      - Goes through Spring CRUD repo to Solr: filtering, pagination, etc. out of the box on top of Solr
      - Solr index created via harvest mechanism. Creates explicit JAVA model of all properties to be indexed and filters /facets. A SPARQL query for each of those properties/Solr fields.
  - UI: [demos.library.tamu.edu/scholars-ui](https://demos.library.tamu.edu/scholars-ui)
    - Top level tabs mirror VIVO: People, Organizations, Research etc.
      - Paginated results with subclasses/related types in the left facet column
      - Turning off JavaScript will still result in the same experience which is a priority for Google Scholars crawling
      - Main search box provides search across all content types
        - Results have tabs for different types (people, publications, grants, awards, courses, concepts)
        - Template for person result will be different from publication etc. Different templates for type
      - Entity view shows information for that person, publication etc.
        - Tabs for info (mirroring VIVO property group tabs)
        - Templates still in progress but many completed. Many sections per entity
      - Server-side rendering is optimization as well as providing SEO. Also plays into screen readers/accessibility and ADA compliance
- Alex: Motivation for Google Scholar
  - Most prominent example of a crawler not indexing our site because site relies on JavaScript
  - Real goal: any search engine out there can crawl the institution's scholarly information and that information can be discoverable and accessible
  - Back to experience with DSpace and trying to get information to be indexed.
- Search functionality using Solr copy fields
  - Copies from a source field to other fields, e.g. text field which can be used for searching for any terms in that content
    - Author's name, research areas added for expression searching
    - Default is OR. Can also use AND
- Front-end written to talk to the Scholar REST API endpoint.
- Solr: nested document support not what they needed. Flattened fields into Solr
  - Multiple Solr collections - one per entity type
  - Persons
    - Positions : ["Associate Professor::n876..."]
    - :: delimiter helps encode the different components of information - converted into a nested array for the front-end
    - Even when searching across people, may need info from publications to be displayable
    - Can do lazy fetching of results as needed, e.g. publications. Fields identified as being lazily rendered - the ids are used to fetch info when display required and then those are added to the main object being used for display
- YAML file configures the facets that will be shown on the search pages
  - Which templates, name, and the facets to be included
- Different types of views: directory (e.g. main organizations tab), discovery (through main search box which shows different tabs for entity types in results)
- Andrei: Angular universal just in server-side rendering?
  - Node server that pre-renders the page
  - When you refresh, it loads quickly - pre-rendered and handed off to the client
  - If JavaScript enabled, it "rehydrates" and takes over
  - Every view rendered by Angular, discovery and other templates rendered by JavaScript doT ([olado.github.io/doT](https://olado.github.io/doT))
- Databases. Please fill in details. Thanks. Hibernate.
- Translation mechanisms for themes
  - Theme is also persisted in the database
  - Configurable: text, images, etc.
  - Use Bootstrap
  - Dynamic theming via CSS variables
- Andrew: follow-on conversation about what we can learn from the different initiatives. What are collaboration points?
  - VIVO Scholars, VIVO Core, and TAMU Scholars
  - Striking similarities between overall high level architecture between VIVO Scholar/Product evolution and TAMU scholars
    - Swap out specific implementations/technology choices

## Actions

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## Previous Actions

