2021-07-13 - VIVO Development IG

Date
13 Jul 2021

Call-in Information

Time: 11:00 am, Eastern Time (New York, GMT-04:00)

To join the online meeting:

- Go to: https://lyrasis.zoom.us/my/vivo1?pwd=a2Q3RUVKvN2dkNHV3FUaFRlLzhGdz09
  - Passcode: 351860
- One tap mobile:
  - US: +16699006833,9358074182# or +19292056099,9358074182#
- Or Telephone:
  - US: +1 669 900 6833 or +1 929 205 6099 or 877 853 5257
  - Meeting ID: 935 807 4182
- International numbers available: https://zoom.us/u/aeANhznED

Slack

- https://vivo-project.slack.com

Attendees

- Indicating note-taker
  1. Brian Lowe
  2. Benjamin Kampe
  3. Georgy Litvinov
  4. Michel Héon
  5. William Welling
  6. Benjamin Gross
  7. Ralph O’Finn
  8. Don Elsborg
  9. Huda Khan
  10. Dang Vu Nguyen Hai
  11. Christoph Gopfert

Agenda

1. Dependencies between unit tests
   a. VIVO-2003 - Vitro unit tests fail if not run in a certain order
      i. https://vivo-project.slack.com/archives/C8RL9L98A/p1626082946083900

2. VIVO-PROXY
   a. Starting a collaboration with the University of Lausanne for the development of VIVO-PROXY
   b. Forking VIVO-PROXY Repo from UQAM to https://github.com/vivo-community/VIVO-PROXY

3. Defining shapes or subgraphs for use in APIs, edit forms, indexes etc.
   a. Diagrams:
      i. existing architecture: https://docs.google.com/presentation/d/1raO98mkIGUQgAc6wMmbgDESvK1zoCA3bq4Fyy21Gjl/edit?usp=sharing
   b. Results of initial experiments with SHACL
   c. Defining more transparent N3-based templates?
   d. Mapping to simplified JSON objects for data ingest
   e. SPARQL for list views/ indexing / URI finding

4. Moving Scholars closer to the core
   a. Build messaging system first? versus
   b. Original option of typing into existing document modifiers:
      i. “win/win” opportunity: Scholars and VIVO both eliminate some complexity
      ii. converting Scholars SPARQL queries to VIVO DocumentModifiers
      iii. replacing URIFinders with fast, reliable Solr lookups

5. Prioritizing future development items:
5. a. quick wins / items for a more rapid release
   b. collaborative items for future sprints
   c. (Add/edit at will) spreadsheet: https://docs.google.com/spreadsheets/d/103P9P4v6yUBSb5BnVaK40NoGx1fYyL8uaHKUubZWbE/edit?usp=sharing

References

1. 2019-01 Architectural Fly-in Summary#201901ArchitecturalFlyinSummary-Ingest

Future topics

1. Prioritizing and planning post-1.12 development
2. Forward-looking topics:
   a. frameworks: Spring / Spring Boot / alternatives
   b. Horizontal scalability
   c. Deployment
   d. Configuration: files / environment variables / GUI settings
   e. Editing / form handling
   f. Adding custom theming without customizing build
3. Post-release priorities
   a. Ingest / Kafka
   b. Advanced Role Management
   c. Moving Scholars closer to core - next steps
4. Vitro JMS messaging approaches - redux
   a. Which architectural pattern should we take?
   b. What should the body of the messages be
5. Incremental development initiatives
   a. VIVO-1688 - Separate VIVO ontology into own repository
   b. VIVO-1751 - Externalize Asset Store
   c. Integration test opportunities with the switch to TDB - requires startup/shutdown of external Solr ..via Maven

Tickets

1. Status of In-Review tickets

<table>
<thead>
<tr>
<th>T</th>
<th>Key</th>
<th>Summary</th>
<th>Assignee</th>
<th>Reporter</th>
<th>P</th>
<th>Status</th>
<th>Resolution</th>
<th>Created</th>
<th>Updated</th>
<th>Due</th>
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<tr>
<td></td>
<td>VIVO-2005</td>
<td>Add runOrder to unit tests</td>
<td>Brian Lowe</td>
<td>Brian Lowe</td>
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<td>IN REVIEW</td>
<td>Fixed</td>
<td>Jul 14, 2021</td>
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<td>VIVO-2002</td>
<td>Interface translation is difficult due to lack of translation context</td>
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<td>Georgy Litvinov</td>
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<td>Author(s)</td>
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<td>Add password authentication on external smtp servers</td>
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<td>VIVO-1964</td>
<td>Investigate optionally deploy war to Tomcat</td>
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<td>VIVO-1964</td>
<td>Update README for i18n sample-data</td>
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<td>Ralph O’Flinn</td>
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<td>VIVO-1686</td>
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<td>alessandro galasso</td>
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<td>Administrative unit as a new sub-class of foaf: Organization</td>
<td>Mike Conlon</td>
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16 issues

Notes

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      i. https://vivo-project.slack.com/archives/C8RL9L98A/p1626082946083900
   b. Look into Spring Frameworks to help with the order of tests
   c. Look at dependency injection
   d. Maybe a static order for .1 then resolve for real in .2
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• Can we get a second slide with everything Brian said?
• (I suppose we could make the slide : ) )
• Right now, the N3 patterns are defined in the JAVA generator classes, which are then processed in separate classes that do a lot of parsing of
  the submitted values, entering into the variables, and then assessing which N3 required strings are present, etc.
• A few years ago, we worked on a custom json simplification of this process
• It still used the processing pipelines underneath
• Is it also possible to include the Capability-map structure in the diagram?
• Don - I would also like to see this existing diagram built out a little bit more. Perhaps include some documentation on what we like or don't like for
  each component

Draft notes on Google Drive