

# 2020-05-05 - VIVO Development IG

## Date

05 May 2020

## 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>
- 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/j/aeANHanzED>

## Slack

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

## Attendees

★ Indicating note-taker

1. [Don Elsborg](#)
2. [Huda Khan](#)
3. [Benjamin Gross](#)
4. [Ralph O'Flinn](#)
5. [Brian Lowe](#) ★
6. [Michel Héon](#)
7. [Nicolas Dickner](#)
8. [Alexander \(Sacha\) Jerabek](#)

## Agenda

1. Announcements
  - a. ...
2. The i18n effort continues
  - a. Update and goals of [vivo-regression-tests](#)
3. VIVO installation: the vision and requirements
  - a. VIVO should be able to be deployed by dropping vivo.war into a servlet container (e.g. Tomcat)
  - b. **On startup, VIVO should create  $\$(VIVO\_HOME)$ , if it does not exist** <-- start here
  - c. On startup, VIVO should ~~download, start, and~~ configure Solr, if it has not been configured
  - d. System administrators should be able to enable i18n languages via runtime configuration files
  - e. VIVO should only load i18n triples that are associated with enabled i18n languages
  - f. Developers should be able to use a three-tier build to create a vivo.war for advanced customization
4. [Vitro JMS messaging approaches](#) - redux
  - a. Which architectural pattern should we take?
  - b. What should the body of the messages be?
5. Moving tickets forward
  - a. 📄 **VIVO-1658** - Preparing for Production regarding About Page and the Support Link **REOPENED** - back on your plate, [Mike Conlon](#)
6. Who is working on what? - Are there active tickets in-progress?

a. T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
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	VIVO-1970	Remove Portal and Tab resources from application metadata model	Brian Lowe	Brian Lowe		IN PROGRESS	Unresolved	Mar 09, 2021	Mar 29, 2021
	VIVO-1898	i18n: Regression test for "bug correction" - exit without datatype	Michel Héon	Andrew Woods		IN PROGRESS	Unresolved	Jul 01, 2020	Jan 25, 2021
	VIVO-1834	i18n : Broken syntax in French version of "Map of Science"	Unassigned	Nicolas Dickner		IN PROGRESS	Unresolved	Apr 16, 2020	Feb 08, 2021
	VIVO-1762	i18n: Document how to add new languages - for developer-	Ralph O'Flinn	Andrew Woods		IN PROGRESS	Unresolved	Apr 06, 2020	Feb 02, 2021
	VIVO-1720	VIVO Scholars test dataset	Julia Trimmer	Andrew Woods		IN PROGRESS	Unresolved	Oct 14, 2019	Oct 28, 2019
	VIVO-1698	Add FAST vocabulary lookup to VIVO	Don Elsberg	Don Elsberg		IN PROGRESS	Unresolved	Aug 06, 2019	Aug 08, 2019
	VIVO-1684	Create multi-stage Dockerfile for VIVO 3 tier custom build	Don Elsberg	Don Elsberg		IN PROGRESS	Unresolved	Mar 21, 2019	Mar 21, 2019
	VIVO-1660	Create fr_CA language files	Kitio Fofack	Kitio Fofack		IN PROGRESS	Unresolved	Dec 06, 2018	Dec 06, 2018
	VIVO-1651	About page should have link to registry and other VIVO support info	Mike Conlon	Mike Conlon		IN PROGRESS	Unresolved	Dec 04, 2018	Nov 01, 2019
	VIVO-1645	[Experiment] Product Evolution: Elasticsearch /GraphQL /React Static	Greg Burton	Greg Burton		IN PROGRESS	Unresolved	Dec 03, 2018	Dec 13, 2018
	VIVO-1597	Document Triple Store /Search Index workflow	Steven McCauley	Steven McCauley		IN PROGRESS	Unresolved	Sep 21, 2018	Nov 01, 2019
	VIVO-1450	Document the Maven 3-tier build process for upgrades	Don Elsberg	Mike Conlon		IN PROGRESS	Unresolved	Feb 21, 2018	Dec 03, 2018
	VIVO-1446	Create Vitro Application Configuration Owl file	Brian Lowe	Mike Conlon		IN PROGRESS	Unresolved	Feb 19, 2018	Mar 13, 2018

	VIVO-1439	Add command line help option to jena2tools and jena3tools	John Ferreira	Mike Conlon		IN PROGRESS	Unresolved	Jan 31, 2018	Jul 11, 2018
	VIVO-936	A glossary is needed with all VIVO /VITRO templates, their locations, and purpose	Mike Conlon	Don Elsberg		IN PROGRESS	Unresolved	Jan 05, 2015	Apr 21, 2018
	VIVO-656	Move to Apache2 license	Mike Conlon	Jon Corson-Rikert		IN PROGRESS	Unresolved	Dec 24, 2013	Apr 21, 2018

16 issues

#### 7. Incremental development initiatives

- a. **VIVO-1688** - Separate VIVO ontology into own repository OPEN
- b. **VIVO-1751** - Externalize Asset Store OPEN
- c. Integration test opportunities with the switch to TDB - requires startup/shutdown of external Solr ..via Maven
  - i. **VIVO-1752** - Instantiate Solr core via API CLOSED

## Tickets

#### 1. Status of In-Review tickets

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
	VIVO-1982	Add example email settings, but do not populate	Benjamin Gross	Benjamin Gross		IN REVIEW	Ready for Test	May 05, 2021	May 05, 2021	
	VIVO-1980	Add VIVO-languages README	Brian Lowe	Brian Lowe		IN REVIEW	Fixed	May 05, 2021	May 05, 2021	
	VIVO-1979	Update Vitro-languages README	Brian Lowe	Brian Lowe		IN REVIEW	Fixed	May 05, 2021	May 05, 2021	
	VIVO-1974	Add listview. usePreciseSub query to example. runtime. properties and set default value to true	Brian Lowe	Brian Lowe		IN REVIEW	Fixed	Mar 29, 2021	May 05, 2021	
	VIVO-1964	Investigate optionally deploy war to Tomcat	William Welling	William Welling		IN REVIEW	Done	Feb 18, 2021	Mar 29, 2021	
	VIVO-1954	Update README for i18n sample-data	Michel Héon	Andrew Woods		IN REVIEW	Ready for Test	Jan 28, 2021	Jan 29, 2021	

	VIVO-1731	Updates to maven plugins and code dependencies	Ralph O'Flinn	Ralph O'Flinn		IN REVIEW	Ready for Test	Oct 25, 2019	Mar 04, 2020
	VIVO-1730	Dockerize External TPF Server	Andrew Woods	Andrew Woods		IN REVIEW	Ready for Test	Oct 23, 2019	Oct 30, 2019
	VIVO-1728	Document how to install /configure externalized TPF	Andrew Woods	Andrew Woods		IN REVIEW	Ready for Test	Oct 22, 2019	Mar 29, 2021
	VIVO-1723	Externalize TPF Server	Andrew Woods	Andrew Woods		IN REVIEW	Ready for Test	Oct 14, 2019	Mar 11, 2020
	VIVO-1718	TDB RDF Delta Patch Messaging	William Welling	William Welling		IN REVIEW	Ready for Test	Oct 11, 2019	Feb 11, 2020
	VIVO-1686	GroupedProper tyList should be parallel	alessandro galasso	alessandro galasso		IN REVIEW	Fixed	Apr 10, 2019	Jun 25, 2019
	VIVO-1652	Administrative unit as a new sub-class of foaf: Organization	Mike Conlon	Mike Conlon		IN REVIEW	Fixed	Dec 05, 2018	Feb 08, 2021
	VIVO-1643	Align VIVO exploded war in Tomcat and generated war	William Welling	Andrew Woods		IN REVIEW	Ready for Test	Dec 03, 2018	Apr 22, 2019
	VIVO-1642	Upgrade Vitro /VIVO Maven dependencies	James Silas Creel	Andrew Woods		IN REVIEW	Fixed	Dec 03, 2018	Jan 22, 2020
	VIVO-1545	Track user changes made to the content store	Graham Triggs	Graham Triggs		IN REVIEW	Ready for Test	Aug 22, 2018	Jan 08, 2019
	VIVO-1436	Advanced role management	Graham Triggs	Christian Hauschke		IN REVIEW	Ready for Test	Jan 26, 2018	Feb 08, 2021

17 issues

## Notes

## Attendees

1. [Huda Khan](#)
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Internationalization update (Sacha primarily, plus Michel)

- Proceeding with testing
  - Looking for things that need to be translated
  - Creating new elements in forms; looking for problematic behavior
  - Capability map
  - Selenium tests being developed from scratch (four tests exist)
    - Not based on previous Selenium tests developed by Jim Blake
- In next two weeks will be working on solutions for more complex syntactic differences between languages where simple string substitution via properties files is problematic.

- UQAM team also has other responsibilities, so effort will be somewhat limited.
- Don interested in having capability map be able to traverse links between persons and publications to include concepts linked via publications and not just directly to people.
- Benjamin: fairly comprehensive suite of Selenium tests already exists, but I had trouble getting them to run. Should be documented in the release procedure on the wiki.
  - Ralph: should be available in vivo-community. May not have been updated since 1.9.3.
  - Benjamin: believe Jim did a lot of work to bring them up to date after 1.9.3.
  - <https://github.com/vivo-community/vivo-acceptance-test>

#### VIVO installation - vision and requirements

- Don: agree with vision, but would be good to articulate the reasoning. Could be variations on the theme, e.g. still specify Tomcat directory if desired but copy the whole war file there instead of exploding it first.
- Benjamin: one important use case is being able to download the war file and drop it into Tomcat without building at all.
  - Struggle to see how this is going to help me (as a developer)
  - Have custom Java files I will have to deploy anyway.
- Ralph: good for adhering to best practices and for testing/evaluation
- Benjamin: Right now, can't customize branding without modifying the theme directory, which is inside the war. So without other changes, it really will only be useful for evaluation and not production.
- Don: could open up interesting opportunities [related to clustering?]
- Ralph: Docker may be the easiest way to deal with Solr installation and setup
  - Do we support latest and greatest Solr or maintain support for multiple versions of Solr as well as ElasticSearch?
  - Benjamin: not sure there's enough of a community to demand or support ElasticSearch at this point
- i18n configuration via runtime.properties without having to edit pom.xmls
  - Merged to i18n sprint branch; Benjamin and Brian want a simplification of the mechanism (no requirement for master list of all supported languages) to occur before the feature gets merged to master. Andrew created an issue for this.
  - Ralph: has voiced preference in other projects for things to be configurable via GUIs rather than properties files
  - Don: some of us prefer the opposite (file-based configuration)
  - Discussion of fact that all i18n files are installed at build time and RDF is selectively loaded according to languages enabled in runtime.properties.
  - Advantage of more GUI-based configuration would be instant changes without need for restart.
  - Benjamin: Maintaining compatibility with third-tier builds may be only a matter of documentation, or small adjustments to pom.xml files.
- JMS messaging approaches
  - Don: multiple approaches exist now that rely on eternal processes to build index. My concern with VIVO-scholars is that there is yet another Java process running queries and building index, etc. Much more complex for system administrators than the other configuration issues we talked about earlier.
    - Having a common solution for mapping triple changes to document changes and being able to use it in multiple applications would simplify this landscape.
  - Ralph: also German use case for audit logging. Seems like first thing this should cover.
  - Don interested in creating an MVP that could update FacetView.
  - Brian: these discussions seem to be conflating two very different use cases
    1. Low-level listening to RDF changes : can be done by implementing either VIVO's change listener interface or Jena's ModelChangeListener (which can be adapted to listen to an RDFService)
    2. Listening to index changes at a higher level that takes advantage of VIVO's logic for mapping triple changes to field updates in different index documents. Here it might make sense to start by making a third implementation of the search index interface (after Solr and ElasticSearch) that instead of using the API for a particular index product instead emits generic document update messages that can be consumed by different systems.

[Draft notes in Google-Doc](#)

## Actions

