

Apps and Tools Call 20130910

Video

Sept. 10 Call Agenda:

(temp meeting notes google doc: <https://docs.google.com/document/d/1cuFgHXzhb4Ogjc4Q-k5a6JfMlehv5yOuKL8-yl7VQjc/edit>)

1. Working Group Goals
2. Updates on Duraspace wiki for the working group
3. Updates on curating the list of existing tools and authors/maintainers in the wiki.
4. Update on the SPARQL example templates with ontology diagrams and code samples
5. Update on Chris Barnes's work on a VIVO vagrant virtual machine that can be used by the Working Group to develop apps and tools.
6. Other.

Thanks,
Chris Barnes
Call # 2

Meeting Notes:

Working Group Goals Discussion

1. UCSF Profiles / Plumage
 - a. Excited to hear about real world use cases
 - b. UCSF Profiles data is used by 20+ campus groups — want to share stories of successful (and failed) use cases
2. Share examples of how people are using
 - a. ingest
 - b. data coming out of VIVO in the real world
3. Look at ways people build tools on top of VIVO data
 - a. plum analytics
 - i. also looking at bringing other data back into VIVO to augment what VIVO has natively -- e.g., metrics
 - ii. via OpenSocial or tools like the Duke widgets
 - b. looking at data consistency across VIVO instances
 - i. best practice recommendations
 - c. CTSASearch can also be used for assessing data consistency
4. See how people work with different sizes of data
 - a. see it go in
 - b. see it come out.
 - c. find any common solutions
5. Addressing New sources of data
 - a. UF is talking about an official list of universities
 - i. where do we get it
 - ii. how do we share it.
 - b. finding common denominators
 - c. Finding an authoritative list of universities
 - i. ORCID is working on ISNIs for organizations -- Melissa wants to address this in the Ontology Working Group
 - ii. UCosmic consortium (<http://www.ucosmic.org>) has a good list of international universities

Catalog of Tools and Maintainers on the wiki at <https://wiki.duraspace.org/x/xusQAq>

- would like to have people add to and update the list
- others to add?
 - Cornell's UriTool
 - John Ferreira's Semantic Services
 - ORNG/OpenSocial
- following the pattern of other open source projects with a table of tools

SPARQL example pages -- positions as a template for creating examples

Example: <https://docs.google.com/document/d/1FIGWCG0nqQ4TAVZmnKXiVMZnGxpygdcoxRcZsxx4UG0>

- VIVO 1.4 person and positions
- To understand the relationships between the ontology and the data
- several parts:
 - a diagram with a small section of the ontology represented visually
 - an actual SPARQL query that can run against the open UF endpoint
 - what the results look like in text
 - how to get the results in JSON, with an example
 - sample JavaScript code to run that query, get back the JSON data, and enumerate it

- is it worth time creating these? ~10 examples people would like to see - will put this out to the list
 - positions and titles
 - educational history
 - contact info
 - etc.
 - goal is to bootstrap people into creating things
- Anirvan
 - a good "Hello, World" example to see a complete small application
 - Be able to be making an app in as little as 5 minutes
 - we're still a little high level for people to see the promise
 - Example of an older "Hello World" example from UCSF http://base.ctsi.ucsf.edu/profiles/json_api/basic_example.html
 - pulls in JQuery, grabs data from custom simplified JSON API, to paint RNS data on the page. Has comments inline.
 - very focused on developer usability -- have a local JSON flavor that are using downstream from VIVO so don't have to figure out the ontology
 - easy things should be easy
- also the Cornell semantic web services (John Ferreira) -- <http://sourceforge.net/projects/semanticsservice/?source=directory>
- How did you create the diagram? was done by Nicholas, Stella, or Amy Buehler
 - manual
- Ted -- the sample SPARQL queries on the wiki were very helpful when getting started (<https://wiki.duraspace.org/x/lwUGAg>)
- Stephen -- having more than just a list of SPARQL queries, especially with sample code, should be a good new thing to do -- people are calling for these kinds of apps at Colorado, as for example a directory of people
- Happy to spit the data out in JSON -- seems more popular than XML now
- An example created from the VIVO widgets using the JSONP feeds coming our scholars data: http://people.duke.edu/~outtenr/vivo_widgets/angular_vivo_widgets/

Vagrant -- a virtualization tool that allows you to use a Box file (e.g., an Ubuntu box) that they maintain -- just reference it via its URL to get it

<http://docs.vagrantup.com>

- Still finalizing a Vagrant configuration script -- <https://github.com/senrabc/vivo-vagrant>
 - add additional steps like provisioning bootstrap.sh
 - gets Java, Apache, Tomcat, MySQL, and even sets up the database and gets things running
 - will be able to have a sample dataset as well, so can start working with the source code examples, run SPARQL queries, etc.
 - easier and more lightweight than trying to distribute the 4Gb Virtual Box file
 - can synchronize with the Github to get configuration changes, so that if one person fixes an environment variable the rest of the team can get those changes
- collaborators welcome
- has been a real help with LAMP stack projects -- easier to share developer environments across a team
 - helps you to codify your configuration changes
- Ted -- would be happy to test it - has used Vagrant but not a bootstrap script
- Chris -- picked the wrong box style -- had openJDK where the tools.jar file is in a place
 - should have picked a box without openJDK to begin with
 - Stephen -- can get openJDK off and replace with Sun Java
 - Chris -- but there's no longer a Sun Java 6 package for Ubuntu -- have to do a wget to pull down the latest JDK from Sun and install it by hand
 - also can pull down the latest VIVO code from Git
 - Stephen -- if put things in the /vagrant directory on the virtual machine, can access it via Eclipse from the desktop
 - if make changes, can (usually) do a vagrant reload, attempting to reload the configuration without wiping and re-downloading the whole VM
- Next call at 8 am EST -- agenda suggestions welcome
 - looking for presenters as soon as the next call

Meeting Date and Time:

Sep 10, 2013 at 1:00 PM EDT (5PM GMT).

<http://www.timezoneconverter.com/cgi-bin/tzc.tzc>

Meeting Link:

<https://global.gotomeeting.com/join/738855669>

Call in Info:(Gotomeeting)

Connect Info: Use your microphone and speakers (VoIP) - a headset is recommended.

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