Developments and Innovations in the Vireo 4.x ETD Submittal System

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Agenda

- 1. Vireo Users Group
- 2. Framework Changes
- 3. Foundations for Vireo 4
- 4. Current Status

VIREO USERS GROUP



Vireo @TDL





THE UNIVERSITY OF TEXAS AT AUSTIN



























Vireo open source deployments



























Driving Features of Vireo 4 development

Customizable Workflow

 Total re-imagining of underpinnings of Vireo from a singleworkflow to multi-workflow system

Controlled Vocabulary

- Re-develop database
- New user interface features on Student and Admin sides

2. Framework Changes

Framework Changes

Spring-Boot framework (v1.3.3)

http://projects.spring.io/spring-boot/

AngularJS (v1.4.9)

https://angularjs.org/

Utilizing Texas A&M Weaver toolkits

- https://github.com/TAMULib/Weaver-Webservice-Core
- https://github.com/TAMULib/Weaver-UI-Core

More uniformity within code

- Larger open-source community behind Spring
- Easy to extend
- Easy to ramp up new developers



Vireo 4 Development Process

2-week sprint cycles:

Monday	Tuesday	Wednesday	Thursday	Friday
			Sprint Planning	Development
Development	Development	Development	Development	Development
Development	Merging Code	Demo	Sprint Planning	Development

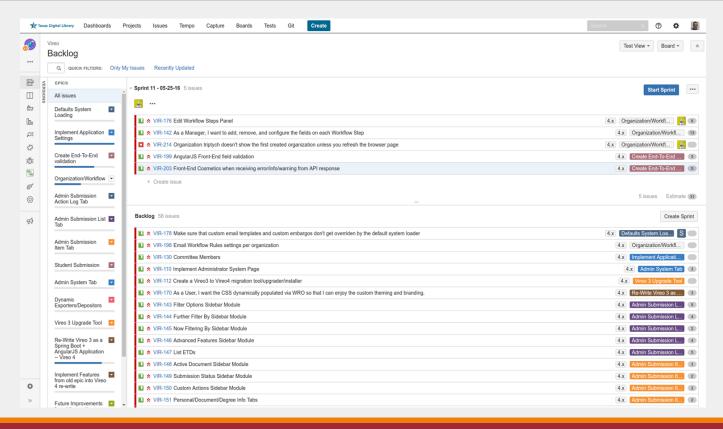
TDL JIRA

https://jira.tdl.org

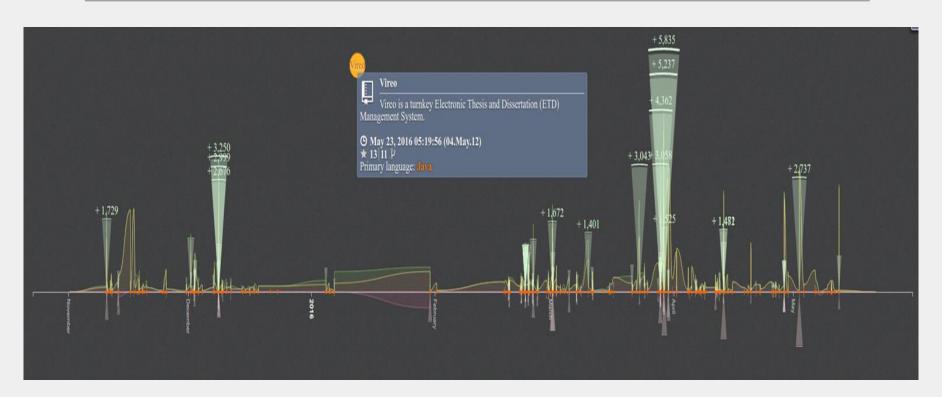
Vireo GitHub

https://github.com/TexasDigitalLibrary/Vireo

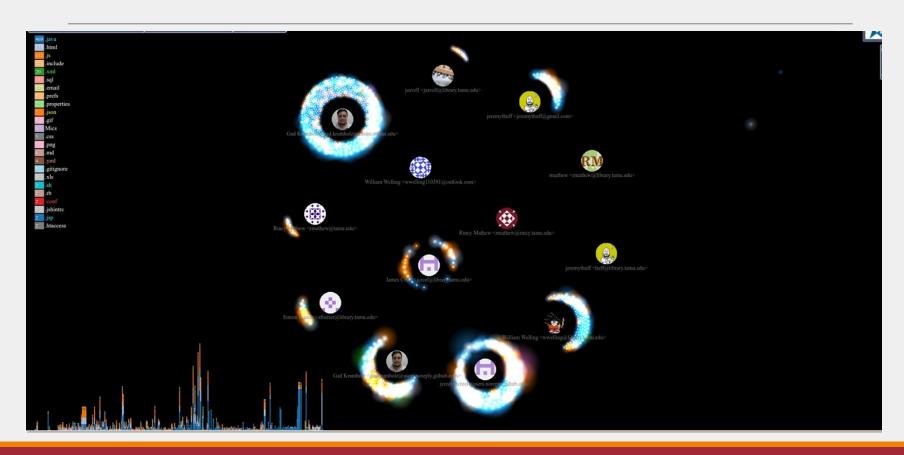
Jira Backlog



Git history for Vireo 4.0.x since Nov 2015



Git commits for Vireo 4.0.x since Nov 2015



3. Foundations for Vireo 4



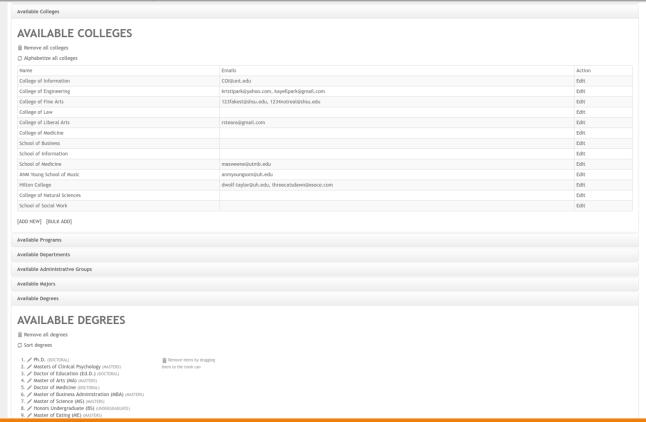
Vireo 3 vs Vireo 4 Organizations/Workflows/Fields

	Vireo 3	Vireo 4	
Organizations	Static organizations: College, Degree, Department, Major, Program, Administrative Group	Dynamic organizations: Will be pre- configured to have the same organizations as Vireo 3 all inheriting their workflow and steps from the top-level Institution Organization	
Workflow Steps	One static workflow for all with 4 steps	One dynamic workflow for all and/or one dynamic workflow for each organization: Will be pre-configured to have the same workflow steps as Vireo 3 in the top-level Institution Organization	
Fields	One static list of fields for each of the 4 static workflow steps	Dynamic list of fields per each dynamic workflow step for the whole institution and/or for each organization: Will be preconfigured to have the same fields as Vireo 3 in the top-level Institution Organization's workflow	

Vireo 3 vs Vireo 4 Field Profiles

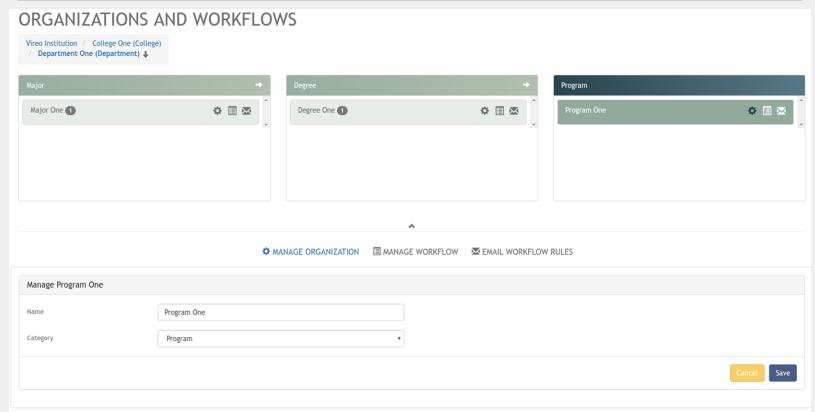
Vireo 3 field profile properties	Vireo 4 field profile properties	
 Enabled/Disabled Optional/Required Display Label Help Text 	 Enabled/Disabled Optional/Required Field Gloss(es) Help Text Usage Predicate InputType Repeatable Controlled Vocabulary(ies) 	

Organizations in Vireo 3

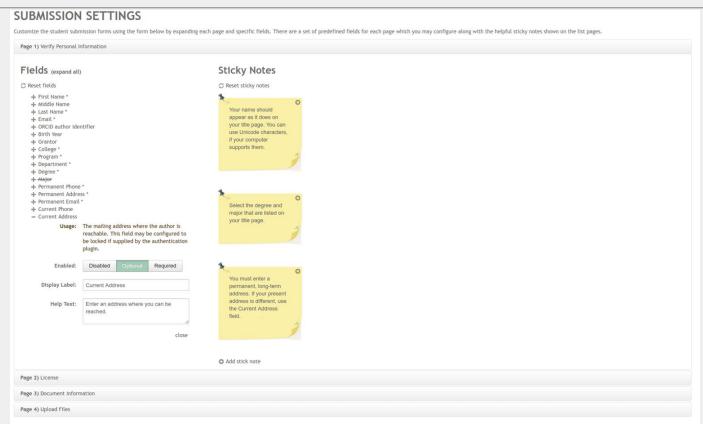




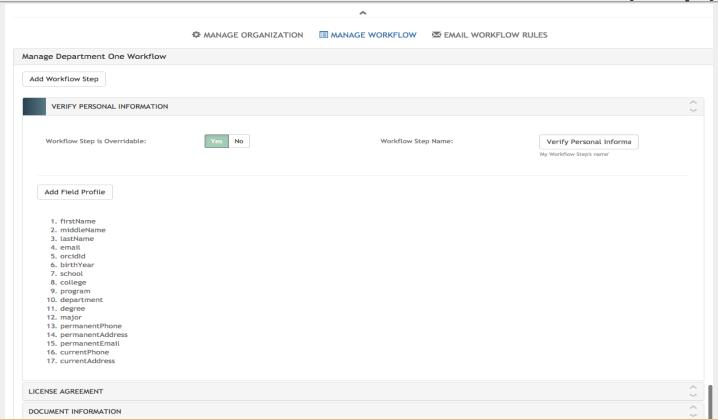
Organizations Triptych in Vireo 4



Workflow and Fields in Vireo 3

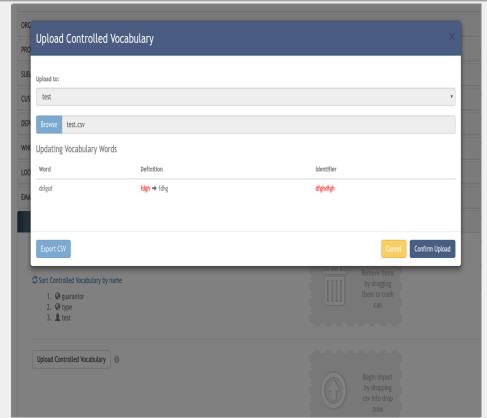


Workflows and Fields in Vireo 4 (wip)



Controlled Vocabulary in Vireo 4

Optraction of the control of the con Vocabulary



Flexible Exports (wip)

ProQuest zip file **SWORD DSpace Deposit MARC Export DSpace REST API Deposit**



4. Current Status

Current Development Team

- 2 Developers from Texas A&M (rotating)
- 1 Developer from TDL (Gad)
- 1 Product Owner (Stephanie)

Project Management support from Texas A&M and TDL (Doug & Ryan)

Development Underway

- 1. Began in late September, 2015
- 2. A few breaks to work on other responsibilities at Texas A&M and TDL
- 3. Began public demo's in Spring 2016
- 4. Current deadline is for August 2016



Coding and infrastructure challenges

Complexity of Vireo 4 Development greater than originally estimated

Many consequences of breaking up "single workflow" vision for Vireo

- Ex: Dynamic and Customizable Metadata per field
- Ex: Dynamic and Customizable Exports from Vireo

Undergoing review of remaining points, application of resources

Remaining Work

- 1. Complete Beta Coding
- 2. Testing of application You can help! (Contact Stephanie) or Ryan)
- 3. Develop Upgrade Application
- 4. Roll-Out, Outreach and Training

Contacts

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