



TDL and Vireo: past, present and future of Vireo

Co-Presenters:

Dr. Peter Nurnberg, Chief Technology Officer, TDL

Ryan Steans, Program Coordinator, TDL



I guess we're up first

WELCOME FROM TDL

Overview

- Welcome from TDL
- History of Vireo, Current Status and Near Future for Vireo
- Development for Vireo
- Software Development at TDL
- User Groups and TDL

What is TDL?

- A group of programmers in Austin?
- A software vendor and support team?
- An effort paid for by a consortium of universities to help create technology to support academic libraries in Texas?
- Me?
- You?
- Us?

We are TDL

- Currently 19 member institutions
- Staff at multiple universities
- User Groups led by member university staff
- Development efforts driven by mutual agreement among members
- Us/ We

What is Vireo?

- Student Submission Tool?
- Graduate Office Thesis and Dissertation Reviewing Tool?
- Library Cataloging and Metadata Management Tool?
- Workflow management for ETDs to an IR?
- Independent software?
- Part of DSpace?

Purpose of User Group

- Central Point for information dispersal
- Discussion on technology, policy, etc...
- Provide User Support for existing and new Vireo Users
- Work together to inform Support Staff of Bugs
- Work together to inform Development Staff of Feature Requests or Requested Changes

From past to present to the future

CHRONOLOGY OF VIREO

History of Vireo Development

- Started 2005/2006
- Based on DSpace and Manakin
- Supported by an IMLS grant
- Texas A&M pilot and development
- UT and Texas Tech in 2009
- New development team at TDL in Summer 2009

Development at TDL Austin

- Development started at Austin in Fall 2009
- Intended to clear list of known bugs, requests, etc...
- New CTO, new staff, new development style
- Agile development
- Release of Vireo 1.0.1 in March of 2010

Current Deployment

- In full production: Texas A&M, UT Austin, Texas Tech University (Texas A&M Galveston and Qatar)
- In review at: University of Houston, UTMB, Angelo State University, Texas State, UT Southwest Medical
- Under review at Illinois, MIT, CDL, Mexico

Current Status

- 1 labs and 1 production for every school (hosted at TDL)
- Version 1.0.2
- Support Desk (<http://tdl.org/support>)
 - Vireo bugs addressed
 - Vireo feature requests queued
- No *planned* development (does not mean “no development”)

Vireo at Your Institution

- Training available at Baylor on a regular basis
- Wiki (<http://wikis.tdl.org/tdl/Vireo>):
 - Requirements for deployment (staffing, technology, new tasks for staff, faculty and students)
 - Complete documentation on using Vireo
 - Training videos
 - FAQs

Future of Vireo (Development)

- Bugs addressed as they are reported
- Vireo works on DSpace 1.5.1.5 1.6 released afterward. Can send data to 1.6 IR
- Will “Open Source” Vireo in Fall 2010
 - Open source within user group
 - Open source software
- Depending on feature requests, direction from Directors and User Group, will schedule development

Agile development and the Vireo Users Group

DEVELOPMENT AT TDL

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Development Considerations

- Development team not a “vendor”
- Development team not guy down the hall
- Development team not 1 per project
- Development team not Grad Students
- 3, 4, 5 developers
- 1 Sys Admin, Support Team
- Many, many projects

Roles

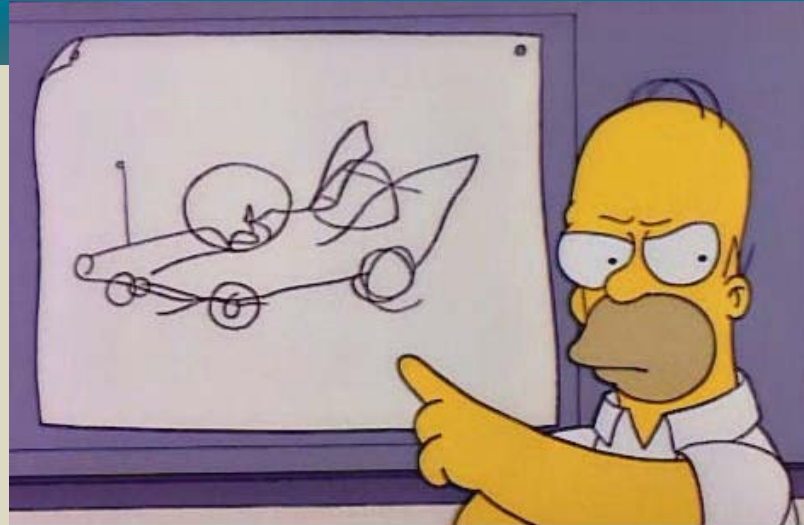
- Us

- User Group
- Steering Committee
- Product Owner
- TDL Project Lead
- Development Team

- Them

- Directors/ Directors at TDL Libraries
- Governing Board
- State of Texas
- Open Source Community

Having a vision for all



Roles – Visualize!

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- Open Source Community

Development Cycle

- Welcome/ Kick Off
 - Public, Product Owner, Development Team
- Planning meeting
 - Product Owner and Development Team
- Sprint (2-4 weeks of development)
 - Development Team with Product Owner/ PM communication
- Public Presentation
 - Public, Development Team
- Planning Meeting for next Sprint/ Agree that project needs no more sprints/ Team must move on to other projects

User Stories

- Not a requirement list
- A business driven request
- Does not include specifics regarding choices for technology, methods, etc...
- Includes a defined user, and what they may wish to do
- Larger stories may be broken up into smaller stories

User Story examples

- *As a student*, I will need to upload my thesis or dissertation from my computer
- *As a Thesis Reviewer*, I need to be able to alert the student to errors in their thesis
- *As a librarian*, I need to be able to edit the metadata submitted by the student

Deaggregate Stories to Tasks

- As a student, I will need to upload my thesis or dissertation from my computer
 - Determine what kind of file we are uploading
 - How many files the student can upload
 - Determine the maximum size of the files
 - Create an “uploading” tool with a secure location for the file
 - Provide the student with confirmation of submission

Development Process

1. User Group collects and discusses user stories
2. Steering Committee determines priorities of stories, provides group of stories
3. Product Owner brings stories to the Development Team
4. Development team determines amount of work per task (ie: given length of sprint, what is possible)
5. Development team completes all agreed-upon tasks
6. Presentation at end of each Sprint – demo tests
7. Correct if necessary, selection of next tasks for next sprint
8. *Not an infinite number of sprints*

Development Cycle - revisited

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But...

- Development Team has no Vireo sprints planned for summer
- Will take careful coordination between VUG team members
- Should get to know one another
- Software development is specific and difficult work (time, new ideas create new problems)

Building a Community – We are TDL

V.U.G.: COLLABORATION!

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Getting Organized

- Development Group
 - Steering Committee
 - Product Owner
- Communications
 - Policy, workflow
 - Information management (website, wiki, etc...)
 - Meetings (f2f, web, phone, etc...)
 - Mailing lists, etc...

Open Source

- Anyone can download and use
- IMLS grant requires open source by Winter Break of 2010/2011.
- Other universities looking at Vireo
- Trunk and Branches
 - TDL to remain a trunk
 - We cannot support branches
- Open Source Community
 - Usually developers with extra cycles
 - Usually forms organically, VUG can be involved

Questions?





For more information about the TDL, please visit the Texas Digital Library website at <http://www.tdl.org> or contact us at info@tdl.org.

