Building Trust in Software Collaboration

Bess Sadler
Stanford University
OR 2011

“How can you outsource so much? I could never trust a vendor that way.”

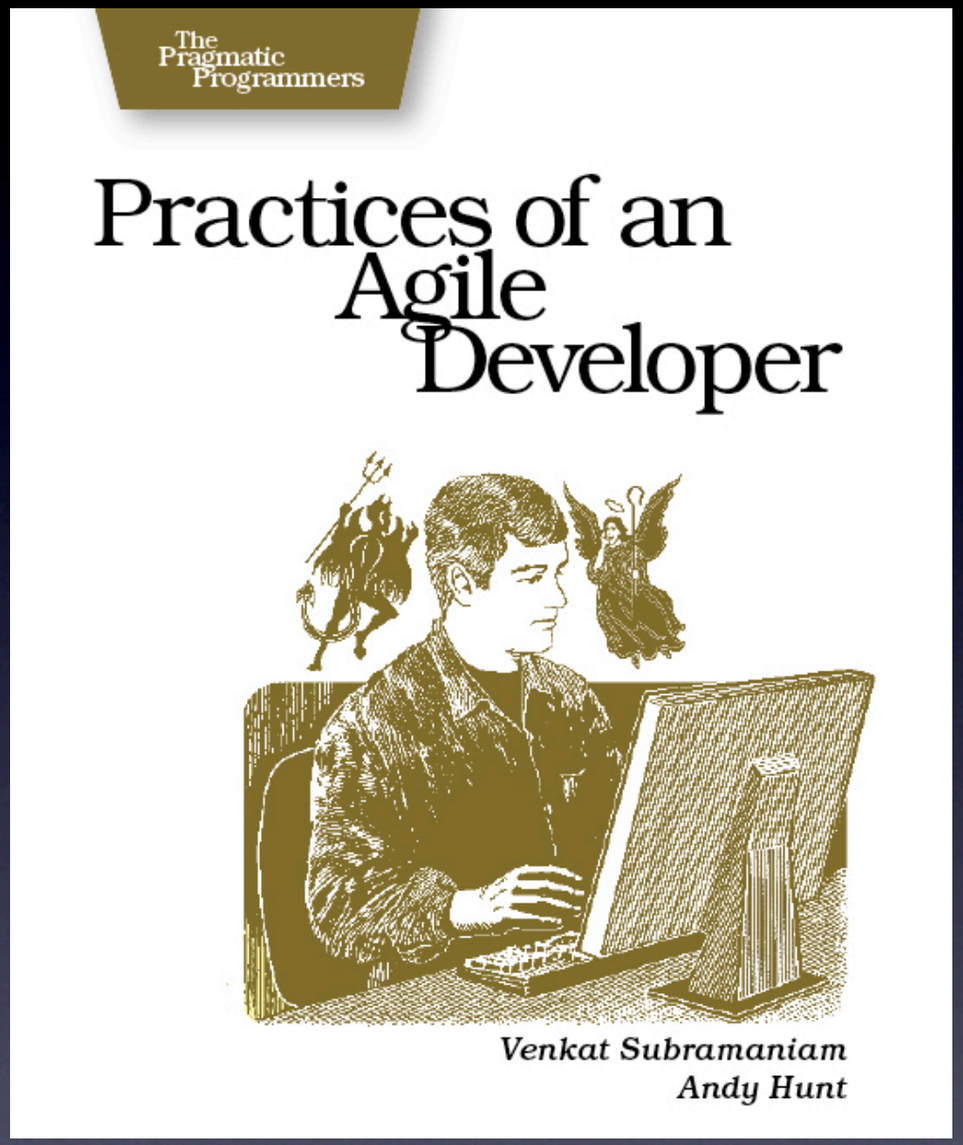
“When I see you working together, it’s like you’re all on the same team.”

Good development practice builds trust.

Ironically, because I don't really have to trust you that much.

Objective measures,
automatic notifications,
and transparency

producing
open source
software
Karl Fogel
HOW TO RUN A SUCCESSFUL FREE SOFTWARE PROJECT
O'REILLY


The Pragmatic Programmers
Practices of an Agile Developer
Venkat Subramaniam
Andy Hunt

No code without tests

NAME	TOTAL LINES	LINES OF CODE	TOTAL COVERAGE	CODE COVERAGE
hydra-plugin_test_host/app/controllers/application_controller.rb	11	4	100.00%	100.00%
hydra-plugin_test_host/app/helpers/application_helper.rb	4	3	100.00%	100.00%
hydra-plugin_test_host/vendor/plugins/hydra-head/app/controllers/application_controller.rb	51	26	100.00%	100.00%
hydra-plugin_test_host/vendor/plugins/hydra-head/app/controllers/assets_controller.rb	114	80	67.54%	58.75%
hydra-plugin_test_host/vendor/plugins/hydra-head/app/controllers/catalog_controller.rb	261	88	91.19%	75.00%
hydra-plugin_test_host/vendor/plugins/hydra-head/app/controllers/contributors_controller.rb	54	38	77.78%	76.32%
hydra-plugin_test_host/vendor/plugins/hydra-head/app/controllers/file_assets_controller.rb	143	82	90.91%	85.37%
hydra-plugin_test_host/vendor/plugins/hydra-head/app/controllers/get_controller.rb	39	33	97.44%	96.97%

```
125         @response, @document = get_solr_response_for_doc_id(pid)
126         if reader?
127           @downloadable = true
128           break
129         end
130       end
131
132       if @downloadable
133         if @file_asset.datastreams_in_memory.include?("DS1")
134           send_datastream @file_asset.datastreams_in_memory["DS1"]
135         end
136       else
137           flash[:notice]= "You do not have sufficient access privileges to download t
document, which has been marked private."
138           redirect_to(:action => 'index', :q => nil , :f => nil)
139       end
140     end
141   end
142
143 end
```

Tests run automatically

add description

Aggregate Build Status | **All** | +

S	W	Job ↓	Last Success	Last Failure	Last Duration	
●	☀	active_fedora	4 days 16 hr (#56)	21 days (#45)	4 min 22 sec	
●	⛈	hydra-head-rails2-plugin	1 day 8 hr (#114)	1 day 13 hr (#113)	5 min 17 sec	
●	☀	hyhull	21 hr (#89)	N/A	6 min 2 sec	
●	☀	jettywrapper	10 hr (#5)	N/A	11 sec	
●	☀	lockit	10 hr (#5)	N/A	6.9 sec	
●	⛅	loggable	28 days (#3)	1 mo 8 days (#1)	5.8 sec	
●	🌧	namaste	17 hr (#11)	17 hr (#9)	8.2 sec	
●	☀	om	10 days (#32)	23 days (#11)	41 sec	
●	☀	solrizer	16 days (#25)	1 mo 12 days (#8)	13 sec	
●	☀	solrizer-fedora	16 days (#12)	N/A	41 sec	

Icon: S M L

Legend for all for failures for just latest builds

Everyone knows when something changes

You have connected (3:02:32 PM)
solrizer-git [*~solrizer-@sh1-ext.rs.github.com*] entered the room. (3:18:38 PM)
3:18:38 PM solrizer-git: **solrizer:** master * **f707fa8** (1 files in 1 dirs): Moving doc rake task out of the solrizer namespace. - http://bit.ly/iBBoHP
solrizer-git left the room. (3:18:38 PM)
eddies left the room (quit: Quit: Leaving.). (4:06:28 PM)
darthmolly left the room (quit: Quit: darthmolly). (4:07:32 PM)

Commit: 936049f5144f6f3d76c0f926fb5bb85f96f894f9
https://github.com/sul-dlss/hydra-hydrus/commit/936049f5144f6f3d76c0f926fb5bb85f96f894f9
Author: Matt Zumwalt <matt.zumwalt@yourmediashelf.com>
Date: 2011-04-30 (Sat, 30 Apr 2011)

Changed paths:
A README
A Rakefile
A app/controllers/application_controller.rb
A app/helpers/application_helper.rb
A config/boot.rb
A config/database.yml
A config/environment.rb
A config/environments/development.rb

Moving doc rake task out of the solrizer namespace.

jkeck (author)
May 02, 2011

Showing 1 changed file with 20 additions and 20 deletions.

lib/tasks/solrizer.rake

lib/tasks/solrizer.rake

```
...  ...  @@ -1,9 +1,28 @@
 1    1   desc "Task to execute builds on a Hudson Continuous Integration Server."
 2    2   task :hudson do
 3        -  Rake::Task["solrizer:doc"].invoke
      3  +  Rake::Task["doc"].invoke
 4    4     Rake::Task["solrizer:rspec"].invoke
 5    5   end
 6    6
      7  +# Use yard to build docs
      8  +begin
```

Everyone knows when something breaks

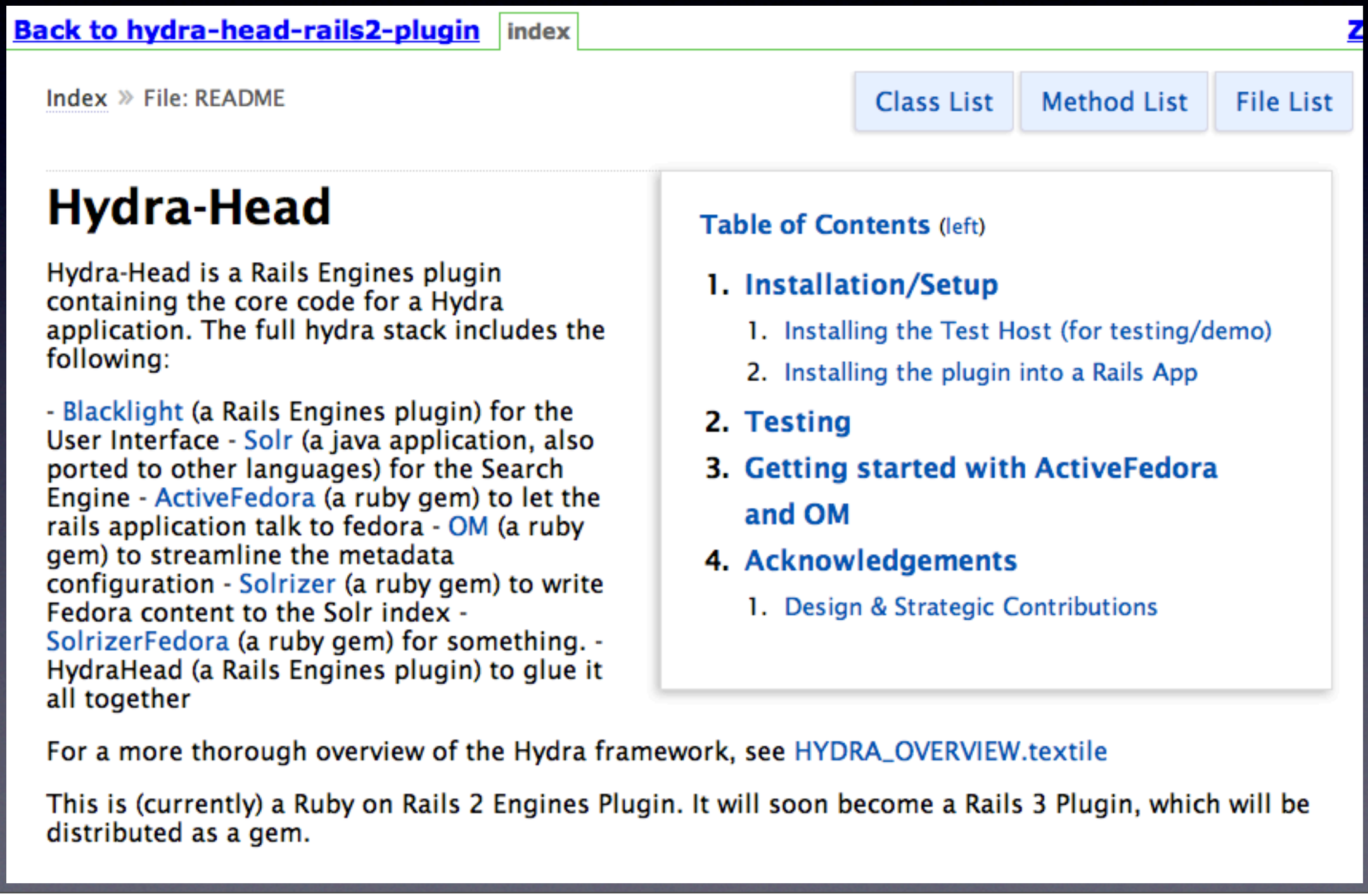
jcmeloni [*89369b87@gateway/web/freenode/ip.137.54.155.135*] entered the room. (11:38:17 AM)
11:47:19 AM hydra_hudson_bot: Project om build #7: STILL FAILING in 44 sec: http://hudson.projecthydra.org/job/om/7/
11:47:20 AM hydra_hudson_bot: Matt Zumwalt: starting nokogiri sanity check spec for hudson
anarchivist left the room (quit: Remote host closed the connection). (12:00:17 PM)
anarchivist [*~anarchivi@unaffiliated/anarchivist*] entered the room. (12:03:15 PM)
jcmeloni left the room (quit: Quit: Page closed). (12:07:24 PM)
You have disconnected (12:09:43 PM)
You have connected (12:23:54 PM)
12:29:15 PM hydra_hudson_bot: Project active_fedora_fail build #3: STILL FAILING in 9 min 43 sec: http://hudson.projecthydra.org/job/active_fedora_fail/3/
12:29:16 PM hydra_hudson_bot: Matt Zumwalt: debugging hudson
12:32:43 PM hydra_hudson_bot: Project om build #8: STILL FAILING in 43 sec: http://hudson.projecthydra.org/job/om/8/
12:32:43 PM hydra_hudson_bot: Matt Zumwalt: trying to pin down hudson nokogiri misbehavior
12:46:44 PM hydra_hudson_bot: Project om build #9: STILL FAILING in 15 sec: http://hudson.projecthydra.org/job/om/9/
12:46:45 PM hydra_hudson_bot: Matt Zumwalt: debugging hudson
12:48:29 PM hydra_hudson_bot: Project om build #10: STILL FAILING in 16 sec: http://hudson.projecthydra.org/job/om/10/
12:49:31 PM hydra_hudson_bot: Project om build #11: STILL FAILING in 29 sec: http://hudson.projecthydra.org/job/om/11/
12:51:18 PM hydra_hudson_bot: Yippie, build fixed!
12:51:18 PM hydra_hudson_bot: Project om build #12: FIXED in 42 sec: http://hudson.projecthydra.org/job/om/12/
12:51:19 PM hydra_hudson_bot: Matt Zumwalt: debugging hudson

XML Tools

Last stable: 19 days (47 sec)

CFB	Catalog Service	Copyright Renewals	DMS Index
DOR Workflow Service	DOR-Services Gem	DatabasesAZ Indexer	GATT Digital Library
Google GRIN Download	Hydra Eems	Hypatia	Image Gallery

Docs are consistent, public, and automatic



Back to hydra-head-rails2-plugin | index

Index » File: README

Class List | Method List | File List

Hydra-Head

Hydra-Head is a Rails Engines plugin containing the core code for a Hydra application. The full hydra stack includes the following:

- Blacklight (a Rails Engines plugin) for the User Interface - Solr (a java application, also ported to other languages) for the Search Engine - ActiveFedora (a ruby gem) to let the rails application talk to fedora - OM (a ruby gem) to streamline the metadata configuration - Solrizer (a ruby gem) to write Fedora content to the Solr index - SolrizerFedora (a ruby gem) for something. - HydraHead (a Rails Engines plugin) to glue it all together

Table of Contents (left)

1. Installation/Setup
   1. Installing the Test Host (for testing/demo)
   2. Installing the plugin into a Rails App
2. Testing
3. Getting started with ActiveFedora and OM
4. Acknowledgements
   1. Design & Strategic Contributions

For a more thorough overview of the Hydra framework, see HYDRA_OVERVIEW.textile

This is (currently) a Ruby on Rails 2 Engines Plugin. It will soon become a Rails 3 Plugin, which will be distributed as a gem.

Objective measures

```
Files:              2
Modules:            2 (    2 undocumented)
Classes:            1 (    1 undocumented)
Constants:          2 (    2 undocumented)
Methods:            8 (    3 undocumented)
 38.46% documented
```

			Total coverage		Code coverage	
			%		43.50%	
			%		100.00%	
hydra-plugin_test_host/app/helpers/application_helper.rb	4	3	100.00%		100.00%	
hydra-plugin_test_host/vendor/plugins/hydra-head/app/controllers/application_controller.rb	51	26	100.00%		100.00%	
hydra-plugin_test_host/vendor/plugins/hydra-head/app/controllers/assets_controller.rb	114	80	67.54%		58.75%	
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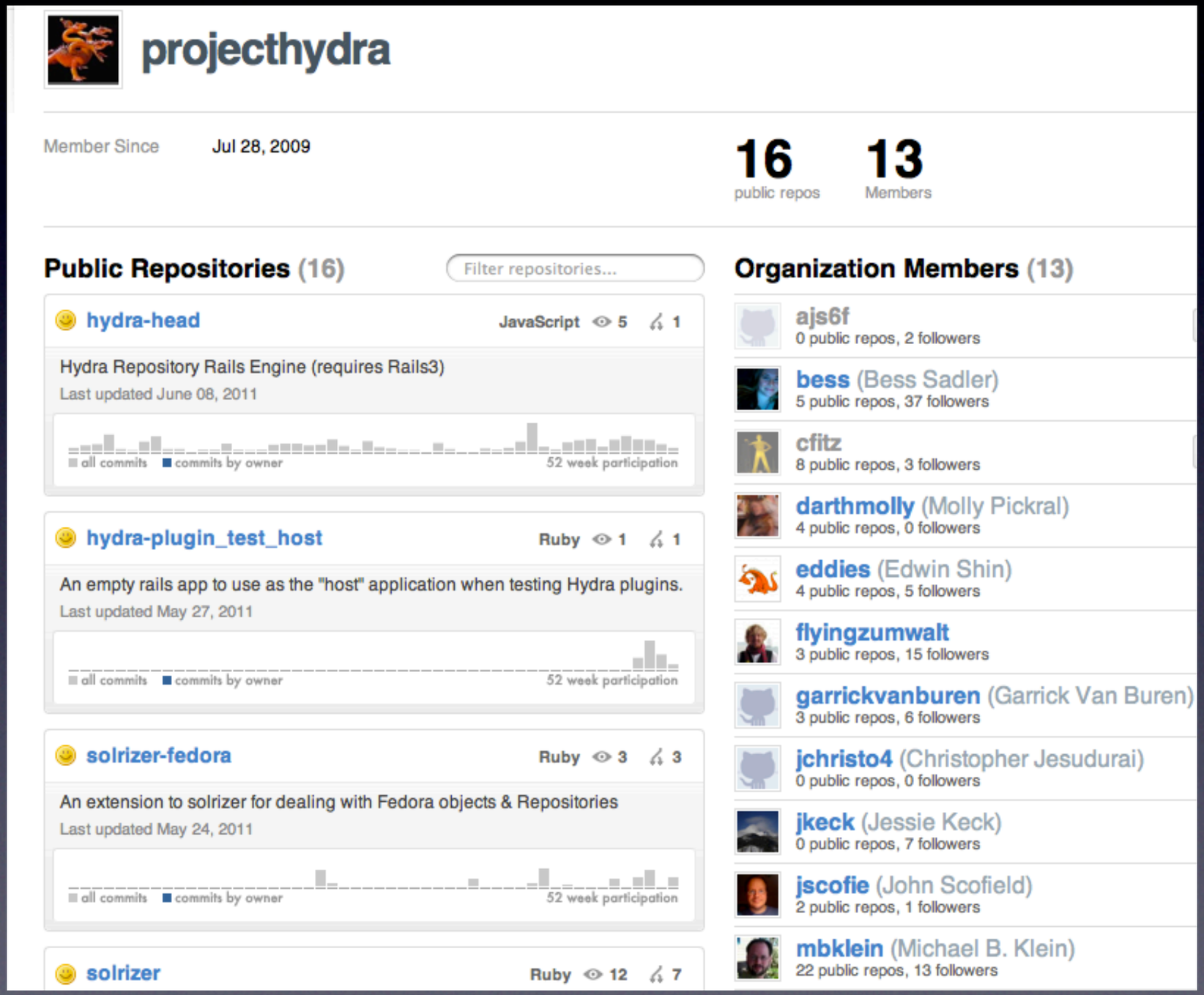
hydra-plugin_test_host/vendor/plugins/hydra-head/app/controllers/get_controller.rb	39	33	97.44%		96.97%	
hydra-plugin_test_host/vendor/plugins/hydra-head/app/controllers/permissions_controller.rb	137	90	69.34%		58.89%	
hydra-plugin_test_host/vendor/plugins/hydra-head/app/controllers/user_sessions_controller.rb	97	51	53.61%		29.41%	
hydra-plugin_test_host/vendor/plugins/hydra-	183	130	64.48%		53.08%	

Shared code is public



projecthydra

Member Since Jul 28, 2009

16 public repos

13 Members

Public Repositories (16)

Filter repositories...

hydra-head JavaScript 5 1

Hydra Repository Rails Engine (requires Rails3)

Last updated June 08, 2011

all commits commits by owner 52 week participation

hydra-plugin_test_host Ruby 1 1

An empty rails app to use as the "host" application when testing Hydra plugins.

Last updated May 27, 2011

all commits commits by owner 52 week participation

solrizer-fedora Ruby 3 3

An extension to solrizer for dealing with Fedora objects & Repositories

Last updated May 24, 2011

all commits commits by owner 52 week participation

solrizer Ruby 12 7

Organization Members (13)

ajs6f
0 public repos, 2 followers

bess (Bess Sadler)
5 public repos, 37 followers

cfitz
8 public repos, 3 followers

darthmolly (Molly Pickral)
4 public repos, 0 followers

eddies (Edwin Shin)
4 public repos, 5 followers

flyingzumwalt
3 public repos, 15 followers

garrickvanburen (Garrick Van Buren)
3 public repos, 6 followers

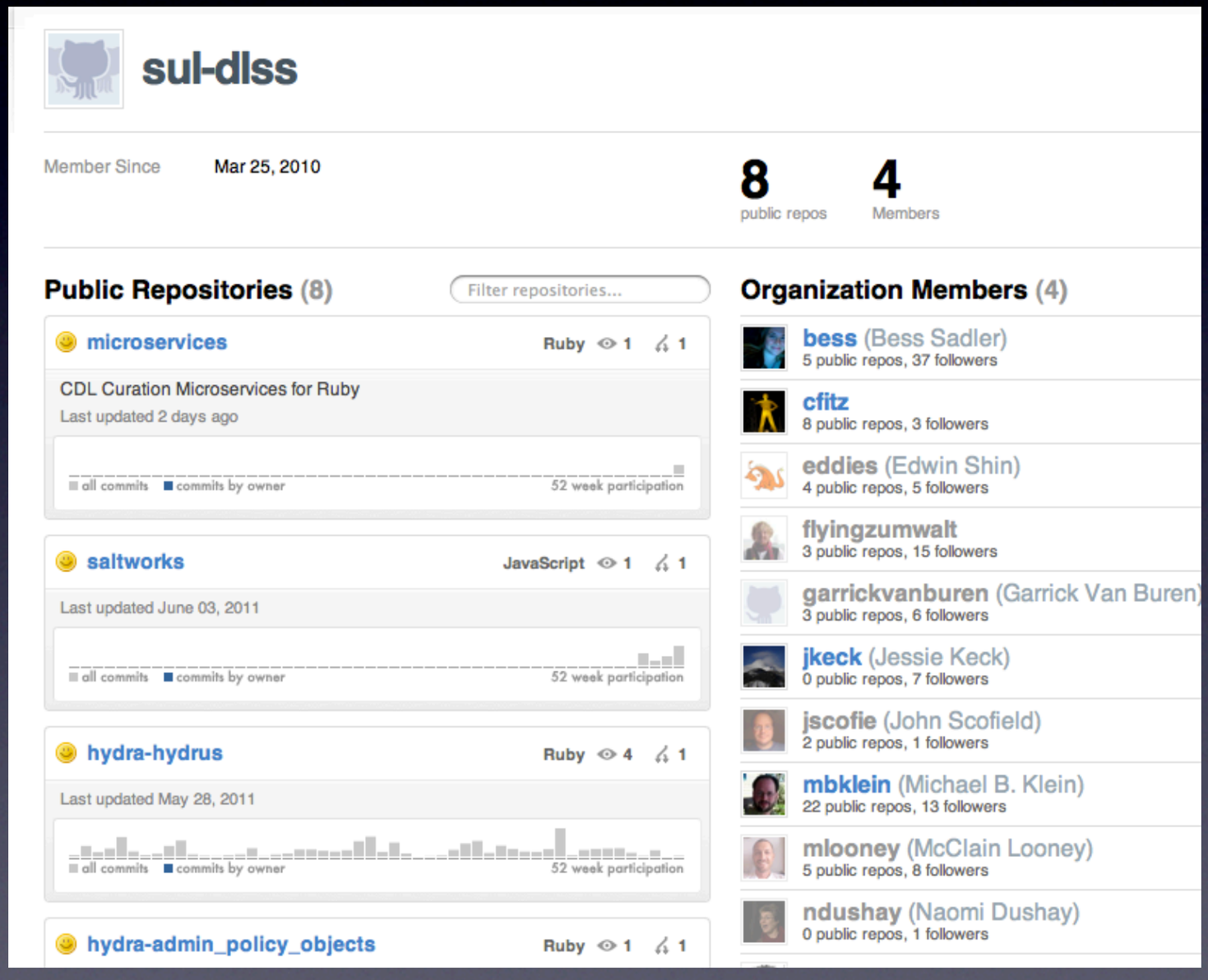
jchristo4 (Christopher Jesudurai)
0 public repos, 0 followers

jkeck (Jessie Keck)
0 public repos, 7 followers

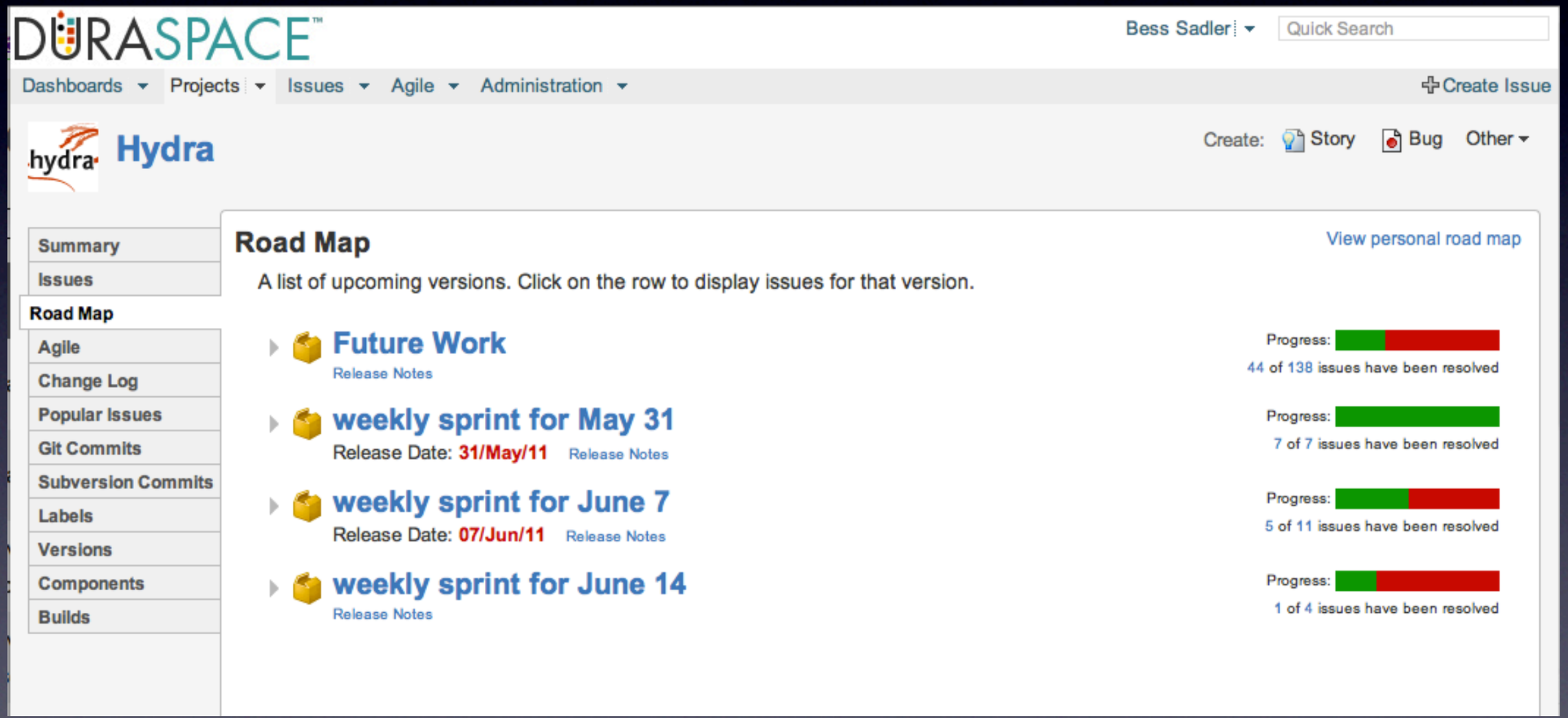
jscofie (John Scofield)
2 public repos, 1 followers

mbklein (Michael B. Klein)
22 public repos, 13 followers

(some) local code is public



Planned shared work is public



Collaborative storyboarding and design

Hypatia

register | login | help → Your Name | logout | help

When you are logged in, your name or login ID displays with the logout link.

<< Computer diskettes (3 1/2") | < prev | 1 of 6 | next >

edit | annotate | tools | go | here

Location

Yale University Library
Manuscripts and Archive
MS 1746: James Tobin papers
Accession 2004-M-088:
Additional Material
Computer diskettes (3 1/2")

Some descriptive metadata for the "Computer diskettes" container might go here.

Single purpose: this is the absolute path to this item from its home location. User can navigate back up the path by clicking links.

2004-M-088.0004.dd

Description

Creator: Tobin, James
Date(s) of creation: 1992-1993
Document type: Disk image

thumbnail, if exists

< prev | 1 of 3 | next >

Files

File	Size	Access
2004-M-088.0001.txt	123 KB	download
2004-M-088.0001.xml	345 KB	download

Technical info

Original filename: 2004-M-088.0004.dd
Source media: 3.5" floppy disk
File size: 1.41 MB

ID: qwerty123456yuiop7890

Only the fields with content are displayed - no empty labels. Sections with no fields are also not displayed.

Thumbnail is not the center of the screen, since it won't always be present.

Sections can be made collapsible if some items have a lot of information; but collapsed/accordion should not be the default mode for discovery environment.

Web standards

- Increased and ongoing compliance with accessibility standards
- Testing XHTML validation (soon)
- Testing javascript (soon)

Talk to each other!