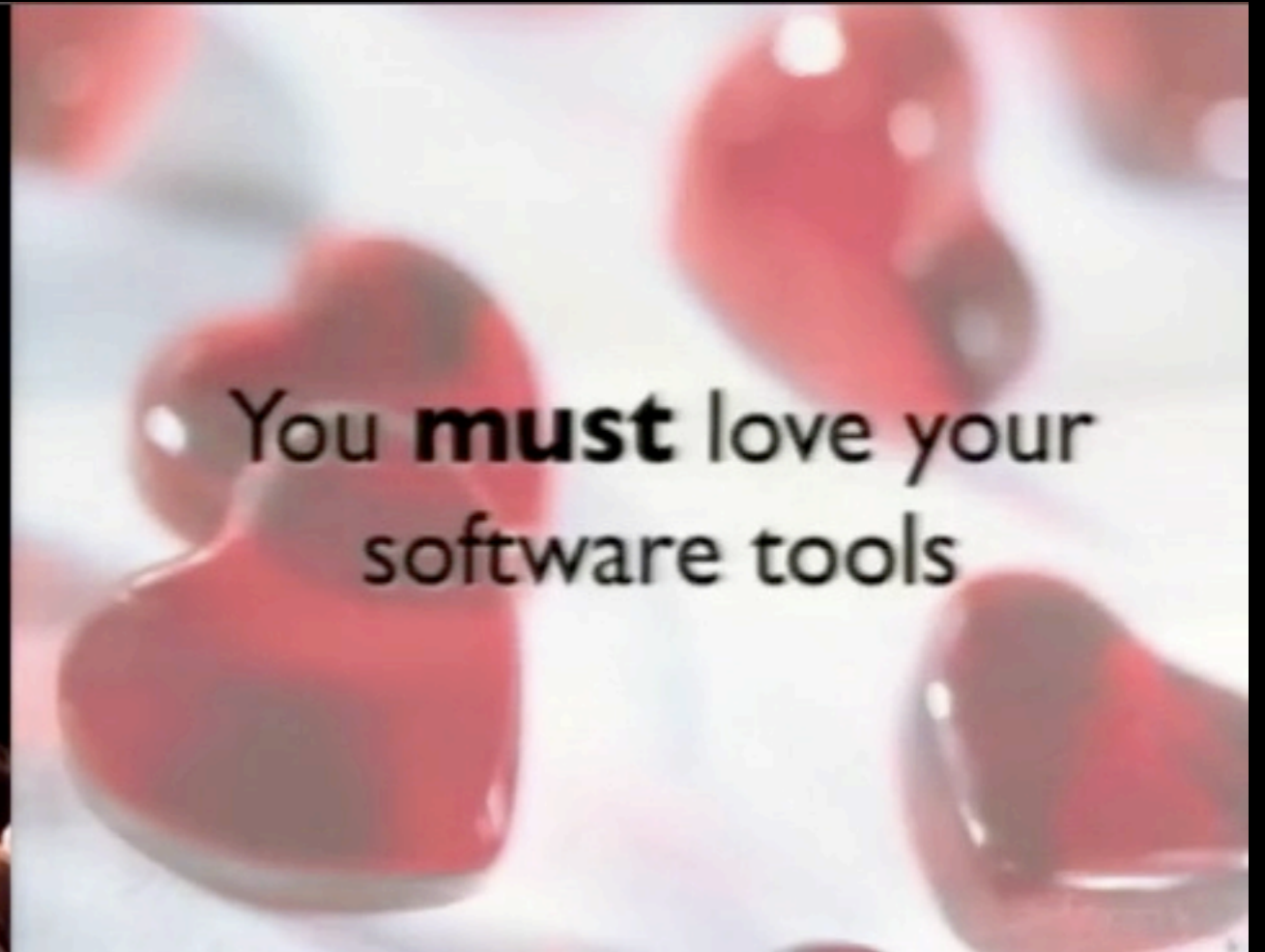




INNOVATION IN RUBY

With Gregg Pollack & Jason Seifer

<http://www.railsenvy.com/philly>





FK
RUBY**

Confreaks

RUBY



**FORK
RUBY**

Confreaks

Microsoft
IronRuby

 JRuby



tinyrb

A tiny Ruby VM
for you to love and
play with

tinyrb is the smallest Ruby VM to date. It won't run all your Ruby code, but it's fast and fun to play with.

Goals

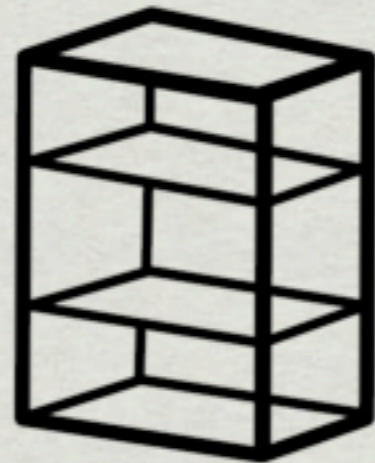
- » Small code base, easy to understand
- » Fast
- » Low memory usage
- » Embedable
- » Portable
- » Fun and awesome

Try it!

```
git clone git://github.com/macournoyer/tinyrb.git  
cd tinyrb; make  
./tinyrb your_script_that_will_crash.rb
```

Contribute

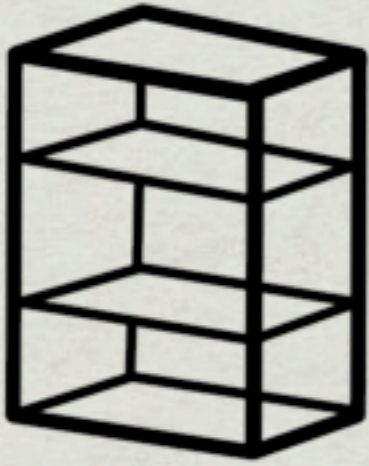
To discuss and share about tinyrb, comment on the [commits feed on GitHub](#) or join me on #tinyrb on freenode.



rack
powers web applications

“Rolling your own, tiny like, web thingoes”

-Ryan Allen



rack
powers web applications

WEB SERVERS

Framework A

Mongrel

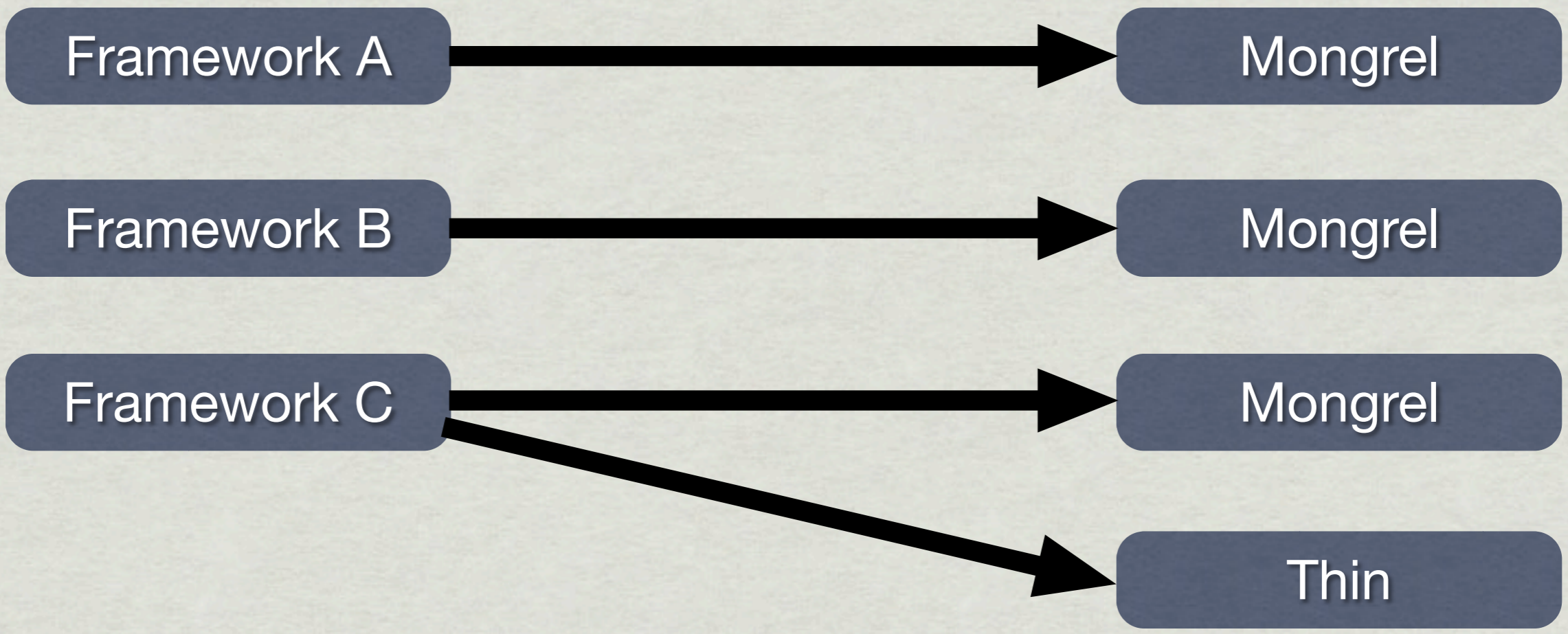
Framework B

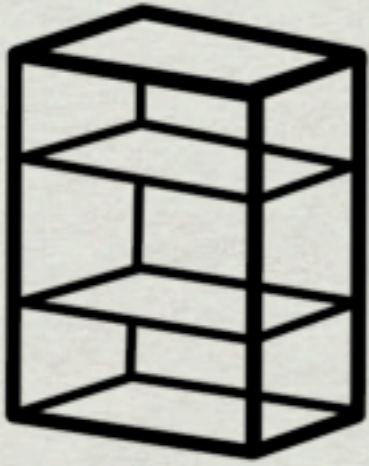
Mongrel

Framework C

Mongrel

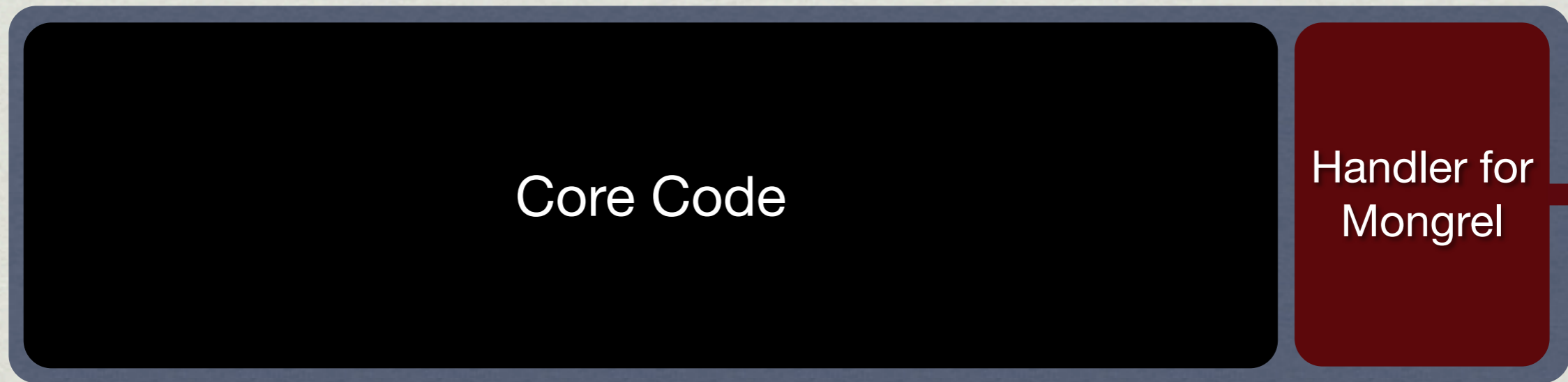
Thin



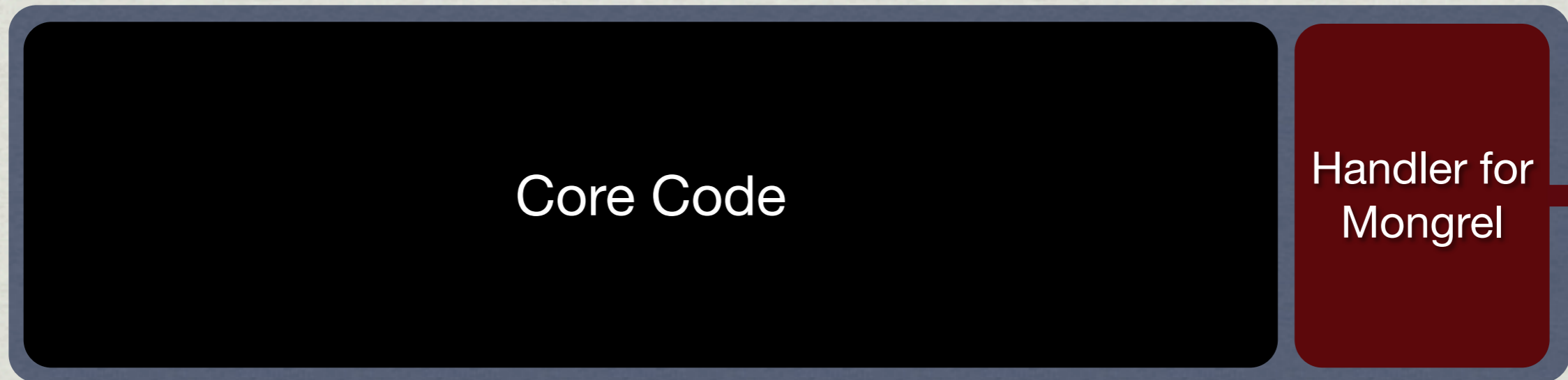


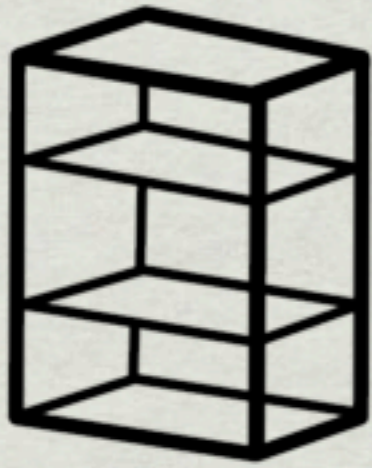
rack
powers web applications

Framework A



Framework B

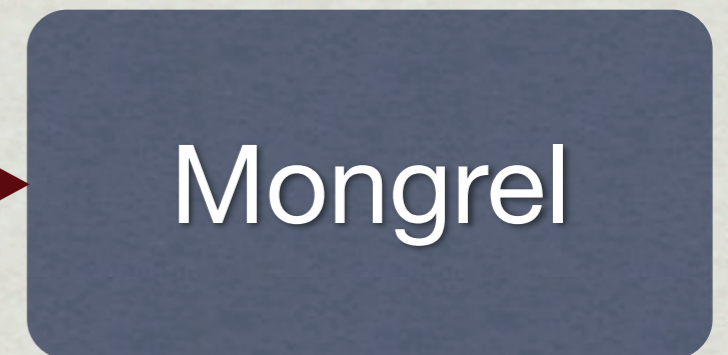
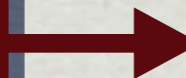
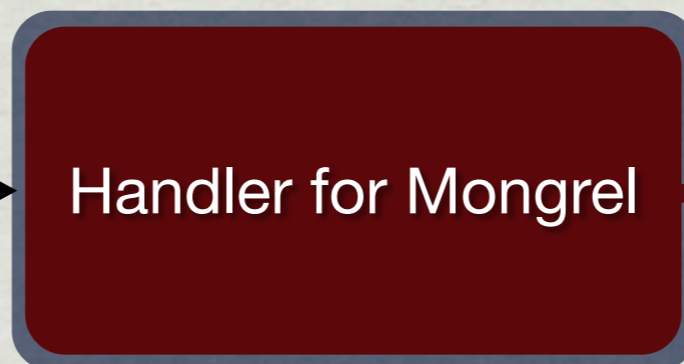
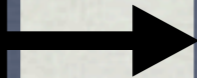


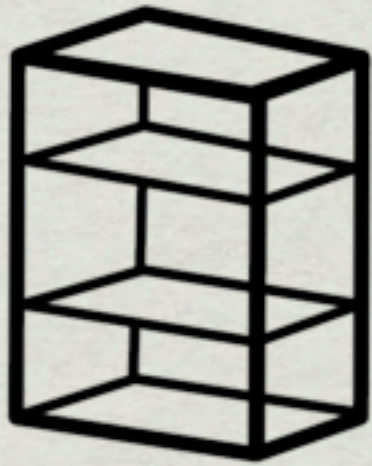


rack
powers web applications

Framework A

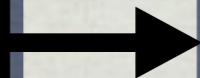
Rack



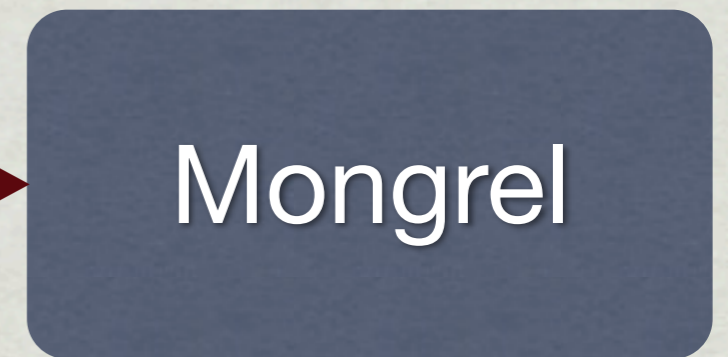
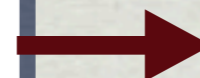


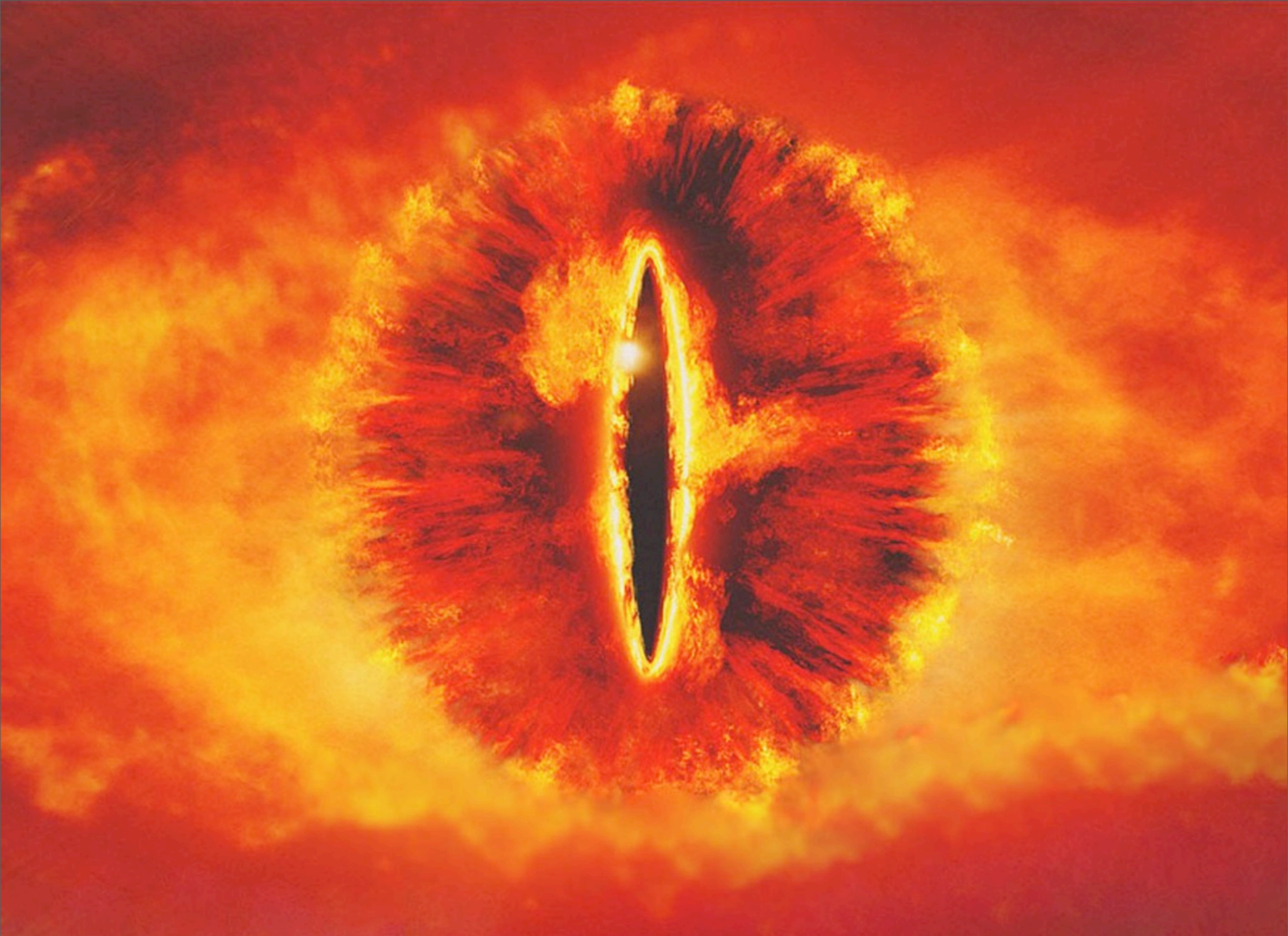
rack
powers web applications

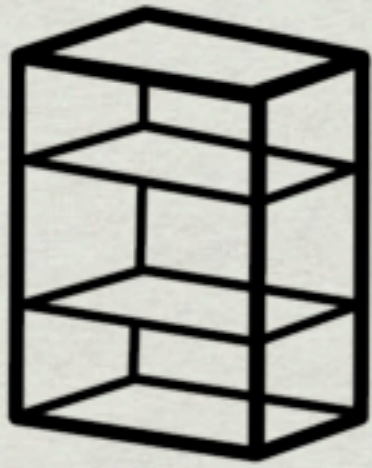
Framework A



Rack







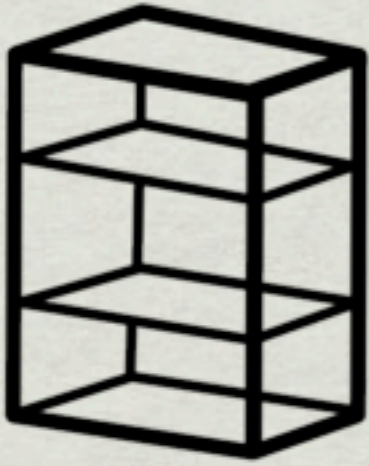
rack
powers web applications

Framework A

Core Code

Handler
for Rack





rack
powers web applications

```
{ "REQUEST_PATH" => "...", headers ... }
```

↓
call(env)

⇒ [status, headers, body]

↑
to_i

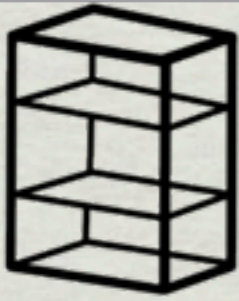
↑
each

↑
each

↓
} yields

↓
} yields

[String, String] String

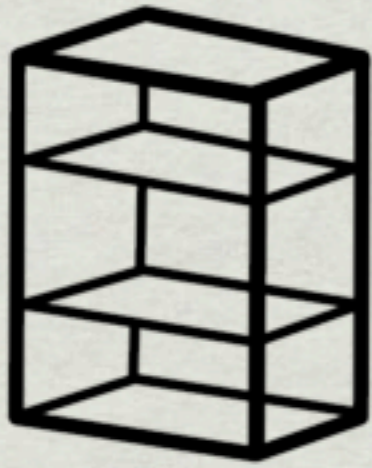


rack
powers web applications

hello_framework.rb

```
1
```

Line: 1 Column: 1 Ruby on Rails Soft Tabs: 2



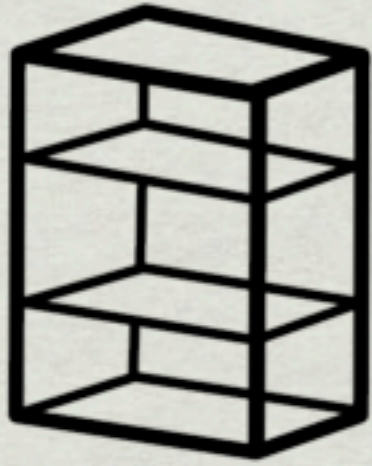
rack
powers web applications

Framework A

Core Code

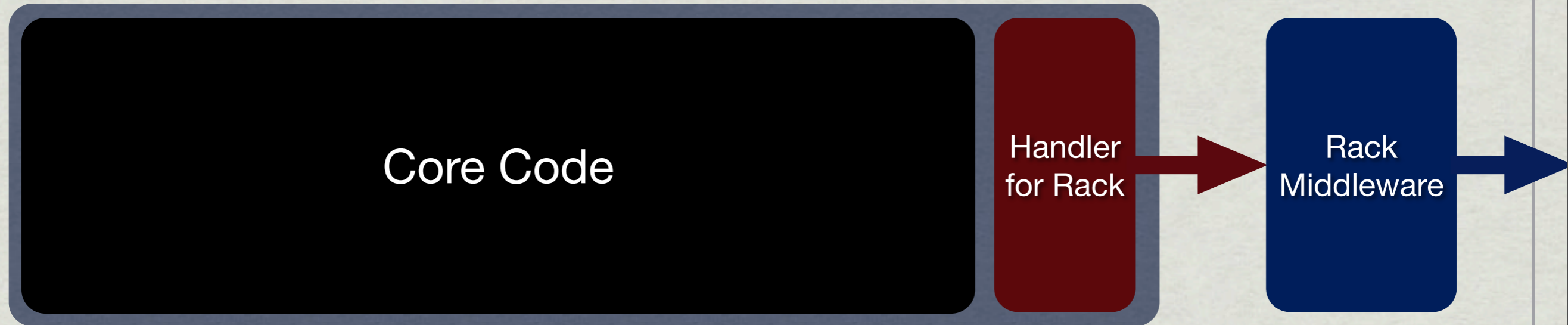
Handler
for Rack

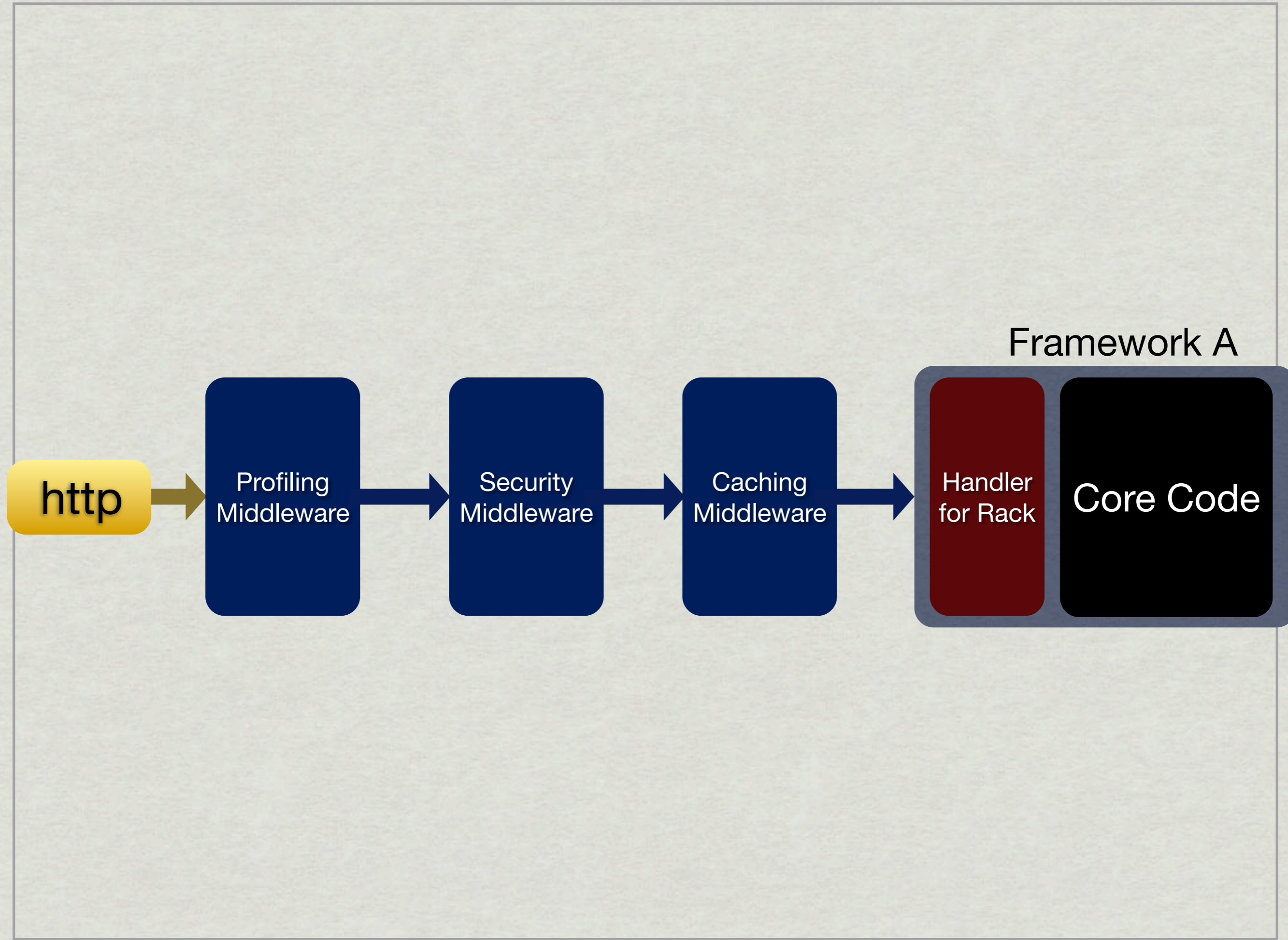




rack
powers web applications

Framework A



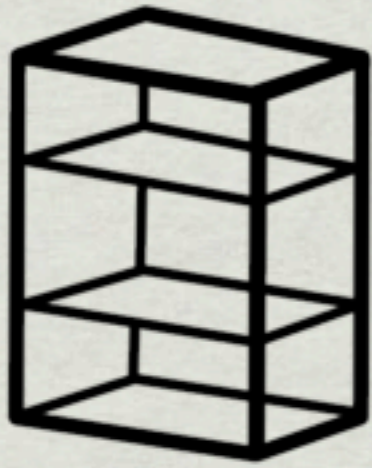


Contributed Rack Middleware and Utilities

This package includes a variety of add-on components for Rack, a Ruby web server interface:

- Rack::ETag - Automatically sets the ETag header on all String bodies.
- Rack::JSONP - Adds JSON-P support by stripping out the callback param and padding the response with the appropriate callback format.
- Rack::LighttpdScriptNameFix - Fixes how lighttpd sets the SCRIPT_NAME and PATH_INFO variables in certain configurations.
- Rack::Locale - Detects the client locale using the Accept-Language request header and sets a rack.locale variable in the environment.
- Rack::MailExceptions - Rescues exceptions raised from the app and sends a useful email with the exception, stacktrace, and contents of the environment.
- Rack::NestedParams - parses form params with subscripts (e.g., * "post[title]=Hello") into a nested/recursive Hash structure (based on Rails' implementation).
- Rack::PostBodyContentTypeParser - Adds support for JSON request bodies. The Rack parameter hash is populated by deserializing the JSON data provided in the request body when the Content-Type is application/json.
- Rack::ProcTitle - Displays request information in process title (\$0) for monitoring/inspection with ps(1).
- Rack::Profiler - Uses ruby-prof to measure request time.
- Rack::Sendfile - Enables X-Sendfile support for bodies that can be served from file.
- Rack::Signals - Installs signal handlers that are safely processed after a request
- Rack::TimeZone - Detects the clients timezone using JavaScript and sets a variable in Rack's environment with the offset from UTC.
- Rack::Evil - Lets the rack application return a response to the client from any place.
- Rack::Callbacks - Implements DLS for pure before/after filter like Middlewares.
- Rack::Config - Shared configuration for cooperative middleware.
- Rack::NotFound - A default 404 application.
- Rack::CSSHTTPRequest - Adds CSSHTTPRequest support by encoding responses as CSS for cross-site AJAX-style data loading
- Rack::Deflect - Helps protect against DoS attacks.
- Rack::ResponseCache - Caches responses to requests without query strings to Disk or a user provider Ruby object. Similar to Rails' page caching.
- Rack::RelativeRedirect - Transforms relative paths in redirects to absolute URLs.
- Rack::Backstage - Returns content of specified file if it exists, which makes it convenient for putting up maintenance pages.
- Rack::Format - Adds a format extension at the end of the URI when there is none, corresponding to the mime-type given in the Accept HTTP header.

[HTTP://GITHUB.COM/RACK/RACK-CONTRIB/TREE/MASTER](http://github.com/rack/rack-contrib/tree/master)



rack
powers web applications

Helping you build your own Web Framework

Adding functionality to your existing
Rack supported Framework

RACK FRAMEWORKS

- * **CAMPING**
- * **COSET**
- * **HALCYON**
- * **MACK**
- * **MAVERIC**
- * **MERB**
- * **RAMAZE**
- * **RUBY ON RAILS**
- * **SINATRA**
- * **SIN**
- * **VINTAGE**
- * **WAVES**

SUPPORTED WEB SERVERS

- * **MONGREL**
- * **EVENTEDMONGREL**
- * **SWIFTIPLIEMONGREL**
- * **WEBRICK**
- * **FCGI**
- * **CGI**
- * **SCGI**
- * **LITESPEED**
- * **THIN**
- * **EBB**
- * **FUZED**
- * **PHUSION PASSENGER**



2.3

Released March 16, 2009

Now on Rack!

Rack::Test


```
require "rack/test"

class HomepageTest < Test::Unit::TestCase
  include Rack::Test::Methods

  def app
    MyApp.new
  end

  def test_redirect_logged_in_users_to_dashboard
    authorize "bryan", "secret"
    get "/"
    follow_redirect!

    assert_equal "http://example.org/redirected",
last_request.url
    assert last_response.ok?
  end
end
```

Rack::Cache

Reverse Proxy training wheels for your Rails app

```
gem install rack-cache
```

environment.rb

```
gem 'rack-cache'  
require 'rack/cache'  
  
Rails::Initializer.run do |config|  
  ...  
  config.middleware.use(Rack::Cache)  
end
```

Scaling Rails

Introduction

New Relic *RPM*[™]

with
Gregg Pollack



screencasts

Scaling Rails Series

[Introduction](#)

[Page Responsiveness](#)

[Page Caching](#)

[Cache Expiration](#)

[New Relic RPM](#)

Coming Soon

[Advanced Page Caching](#)

[Action Caching](#)

[Fragment Caching](#)

[Memcached](#)

[Client-side Caching](#)

[Advanced HTTP Caching](#)

[Taylor Weibley & Databases](#)

[Jesse Newland & Deployment](#)

[Jim Gochee & Advanced RPM](#)

What is the Scaling Rails Series?



Learn everything you need to know about Scaling your Rails app through 13 informative Screencasts produced by Gregg Pollack with the support of [New Relic](#).


Don't forget to subscribe to the RSS or iTunes feed over on the right.

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about the author

Gregg Pollack is part of the [Rails Activist Team](#) and partner at [Rails Envy](#) where he produces a podcast, creates educational Ruby videos, and develops websites with Rails.

[feedback](#)

Episode #4 – New Relic RPM

Before you attempt to Scale your Rails application, you need to know where and how to scale it. This is where [New Relic's RPM](#) service comes in. In this screencast we'll show you how easy it is to setup, and how useful it can be to monitor your Rails app.

[Play Video](#) (65.1 MB, 13:05, MP4)

Episode #3 – Cache Expiration

When you start caching html content which depends on data in your database, what happens when that data changes? You're going to need to expire that cache, and in this episode, we show you how Rails makes this quite easy.

[Play Video](#) (20.9 MB, 5:51, MP4)



SINATRA SINATRA

SINATRA

SINAT



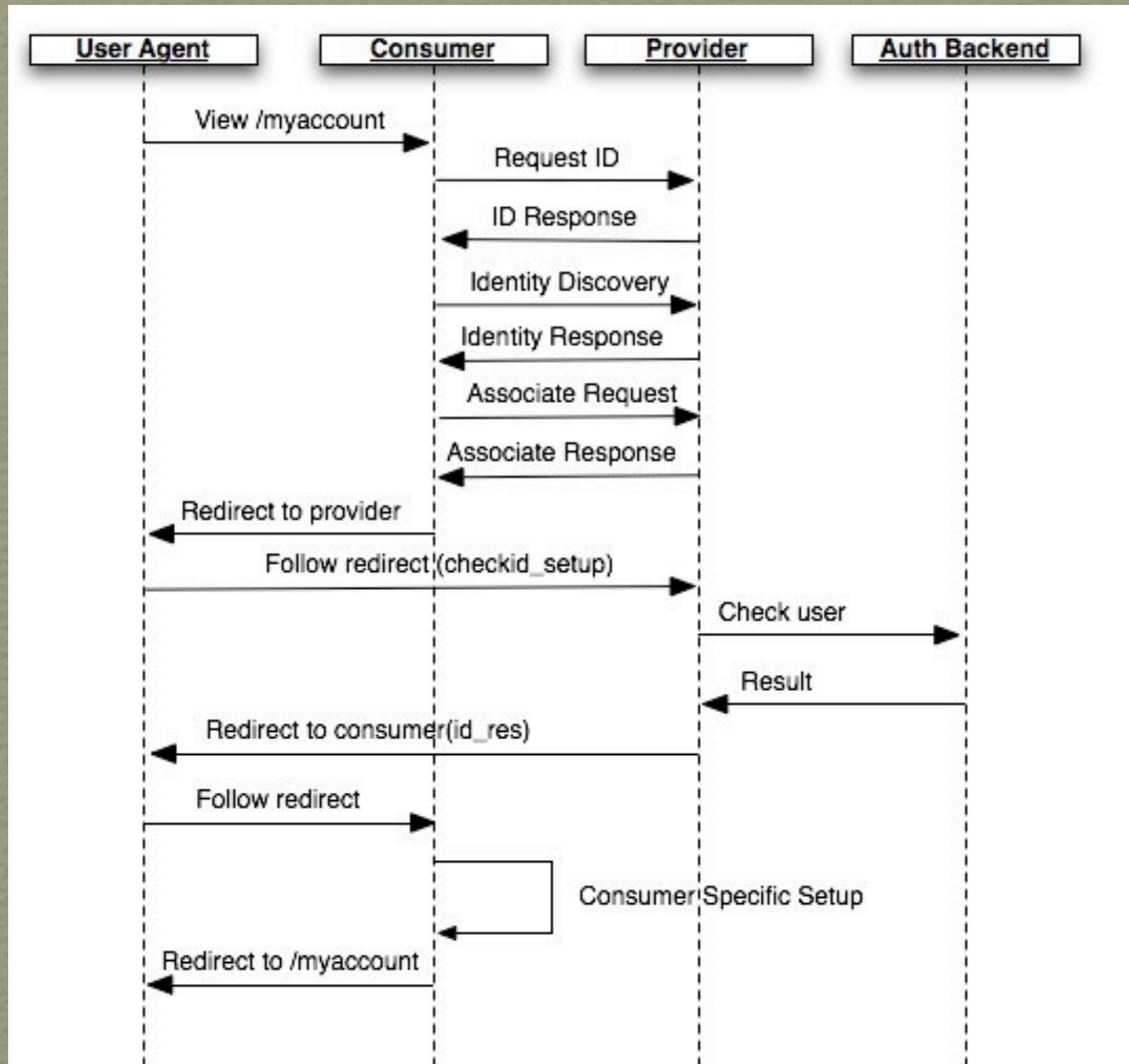
SIN IAT

<http://www.flickr.com/photos/lewy/10378594/>

Sinatra

MIDDLEWARE APPS

Sinatra






```
class Dragon < Hancock::App
  set :views, 'views'
  set :public, 'public'
  set :environment, :production

  set :provider_name, 'Example SSO Provider'
  set :do_not_reply, 'sso@atmos.org'

  get '/' do
    redirect '/sso/login' unless
session[:user_id]
    erb "<h2>Hello <%= session[:first_name]
%><!-- <%= session.inspect %> -->"
    end
  end
end
run Dragon
```

```
# thin start -p PORT -R config.ru
```

```
require 'rubygems'
```

```
gem 'sinatra', '~>0.9.1.1'
```

```
require 'hancock'
```

```
require 'sinatra/ditties'
```

```
Mapper.setup(:default, "sqlite3:///#{Dir.pwd}/development.db")
```

```
Sinatra::Mailer.config = {
```

```
  :host => 'smtp.example.com',
```

```
  :port => '25',
```

```
  :user => 'sso',
```

```
  :pass => 'lolerskates',
```

```
  :auth => :plain # :plain, :login, :cram_md5, the default is no auth
```

```
  :domain => "example.com" # the HELO domain provided by the client to the
```

```
}
```

```
if ENV['MIGRATE_ME']
```

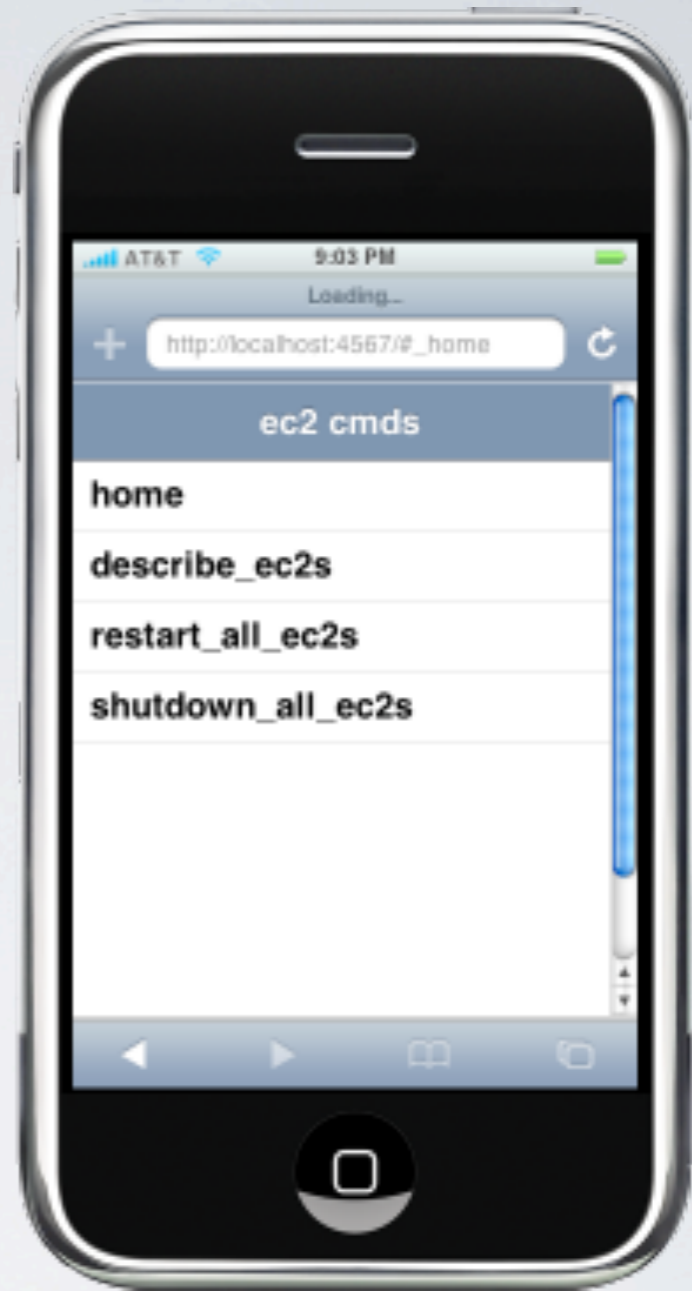
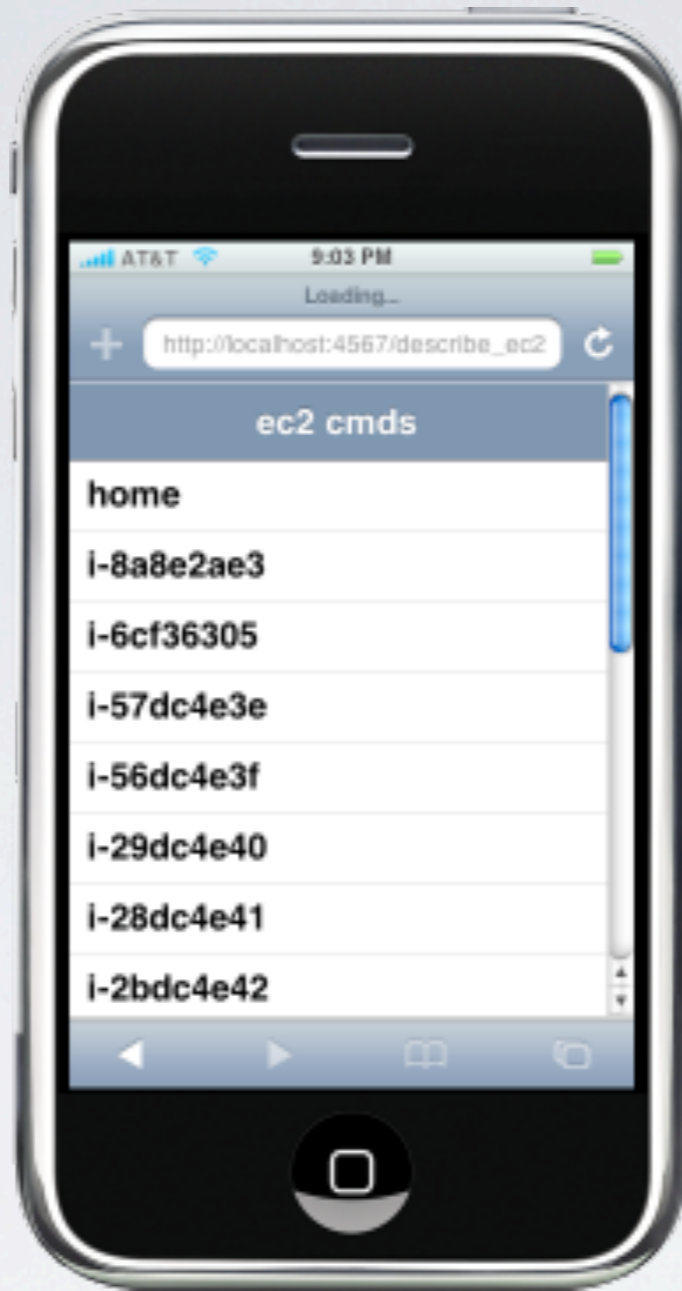
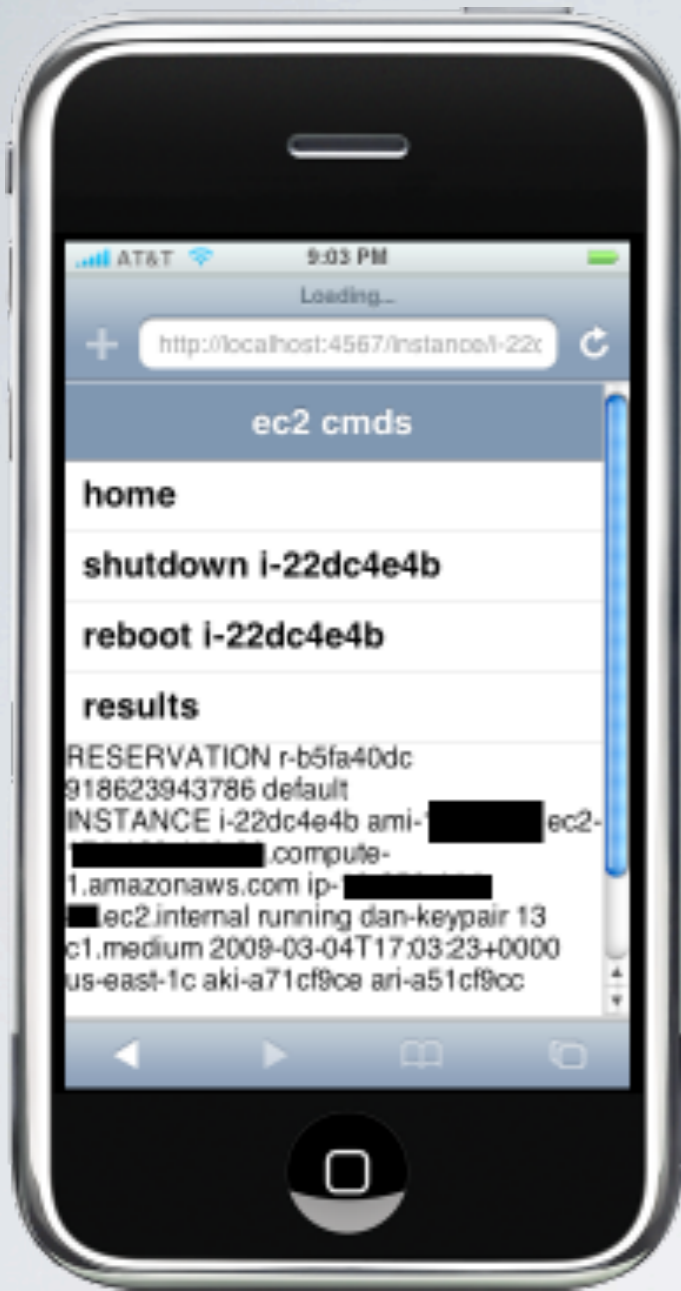
```
  Mapper.auto_migrate!
```

```
  Hancock::Consumer.create(:url => 'http://localhost:3000/sso/login', :la
```

```
  Hancock::Consumer.create(:url => 'http://localhost:4000/sso/login', :la
```

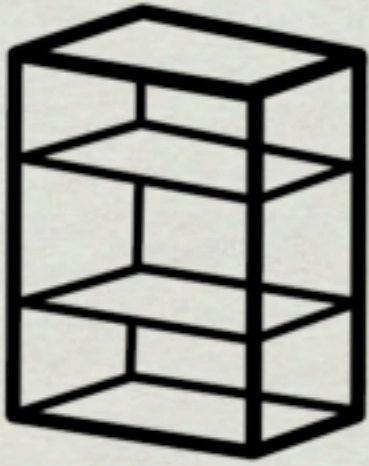
```
  Hancock::Consumer.create(:url => 'http://localhost:4567/sso/login', :la
```

```
end
```



AWS IPHONE MANAGER

Finding common patterns



rack
powers web applications

WEB SERVERS

Framework A

Mongrel

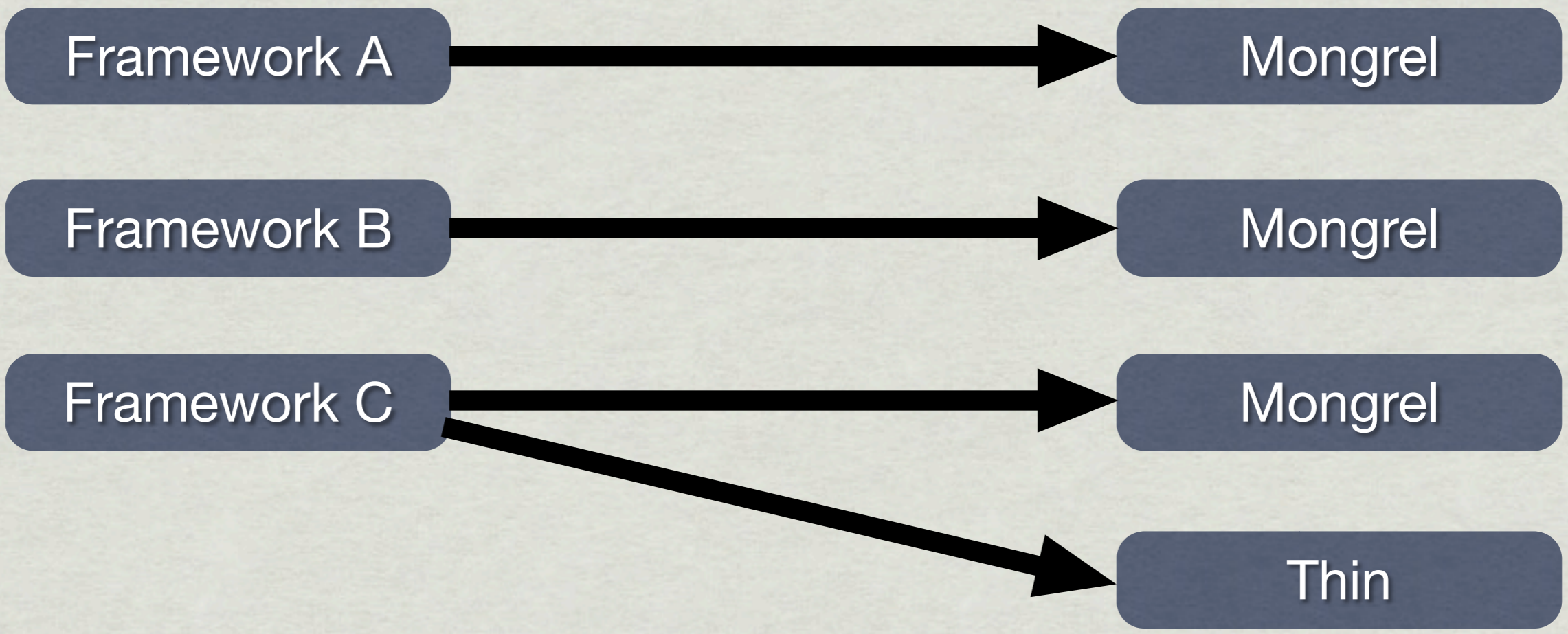
Framework B

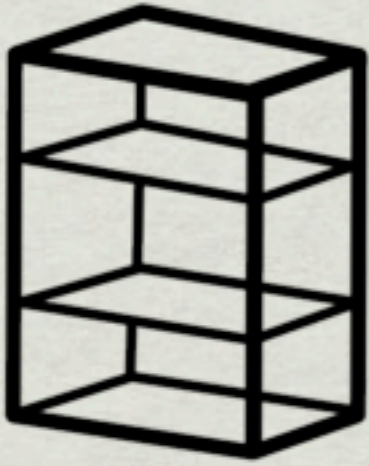
Mongrel

Framework C

Mongrel

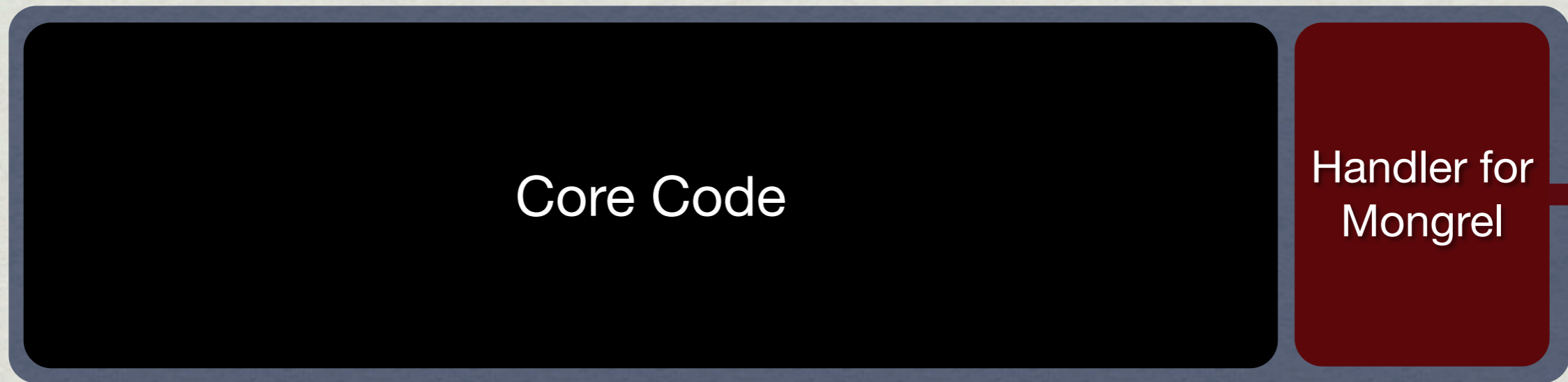
Thin



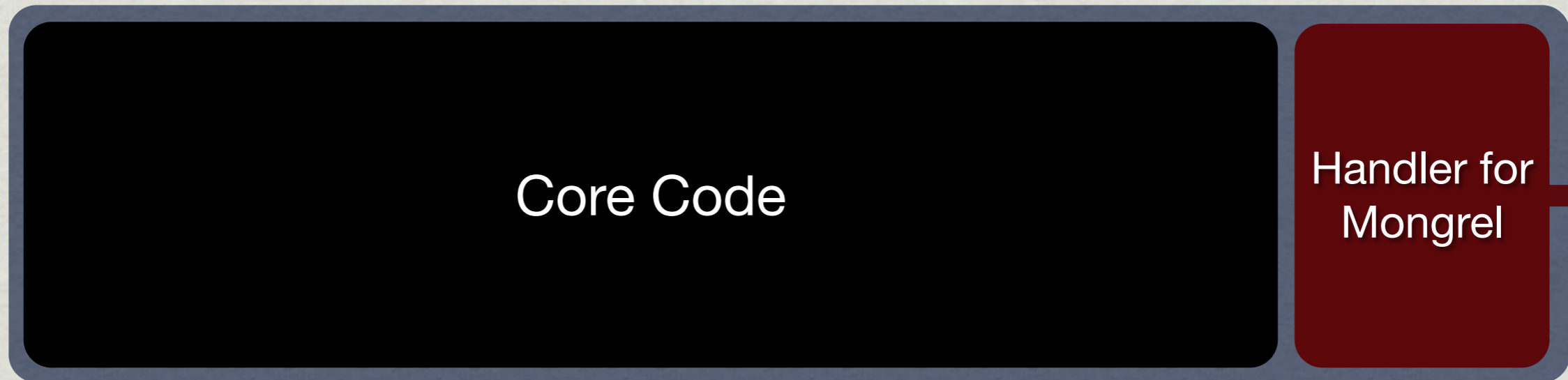


rack
powers web applications

Framework A

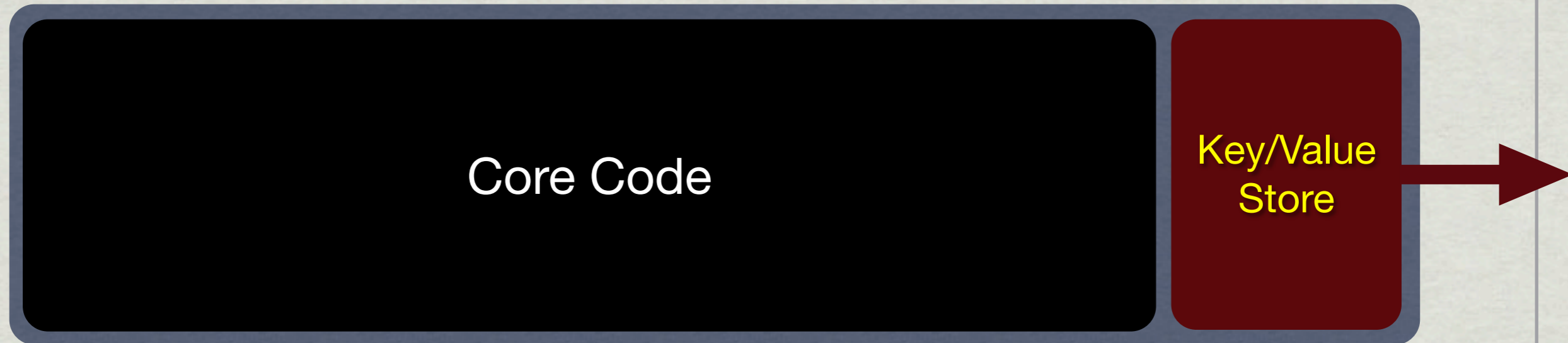


Framework B

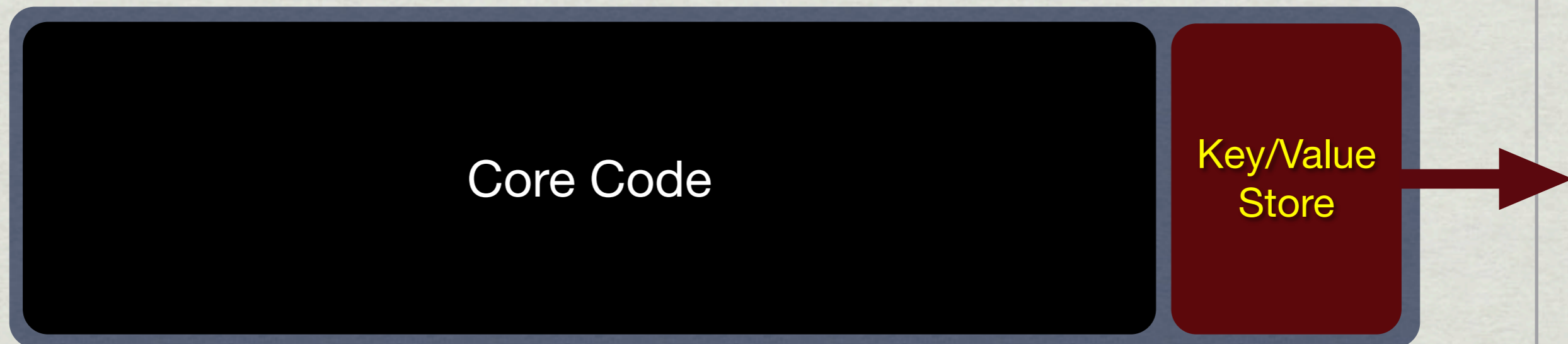


Caching

Framework A



Framework B





Caching Options

`/config/environments/development.rb`

```
config.cache_store = :memory_store
```

```
config.cache_store = :synchronized_memory_store
```

```
config.cache_store = :file_store, "/path/to/cache/directory"
```

```
config.cache_store = :drb_store, "druby://localhost:9192"
```

```
config.cache_store = :mem_cache_store
```

```
config.cache_store = :mem_cache_store, "123.456.78.9:1001"
```

```
config.cache_store = :mem_cache_store, { :namespace => 'storeapp' }
```

```
config.cache_store = :compressed_mem_cache_store
```

```
config.cache_store = :custom_store
```

Caching Example

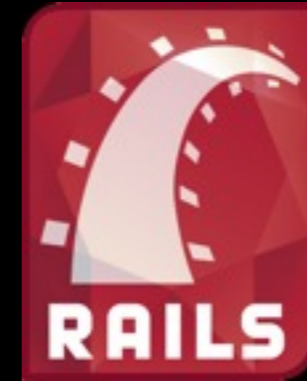
```
def get_recent_posts
  value = Cache.get("posts")
  return value if value
  recent_posts = # Fetch from database
  Cache.set("posts", recent_posts)
  return recent_posts
end
```

Key: "posts" Value: [array of posts]

Value could be anything

merb

read
write
exists?
write_all
fetch
delete
delete_all
delete_all!



read
write
exist?
fetch
increment
decrement
delete
clear



Moneta

A unified interface to key/value stores

syntax

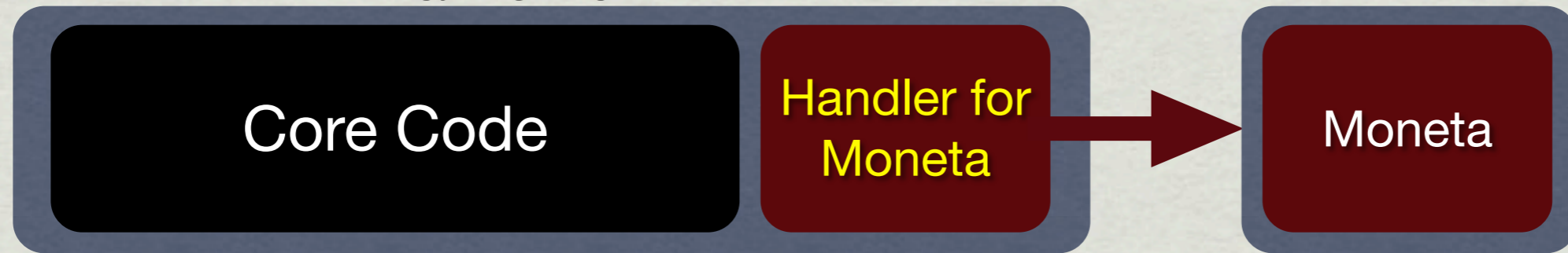
```
[](key)
[]= (key, value)
delete(key)
key?(key)
has_key?(key)
store(key, value, options)
update_key(key, options)
clear
```

example

```
store[:key]
store[:key] = value
store.delete(:key)
store.key?(:key)
store.has_key?(:key)
store.store(:key, value)
store.update_key(:key, {})
store.clear
```

Caching

Framework A



- * FILE STORE
- * MEMCACHE STORE
- * IN-MEMORY STORE
- * THE XATTRS IN A FILE SYSTEM
- * DATAMAPPER
- * AMAZON S3



A document-oriented database
accessible via a RESTful HTTP/JSON API.



apache
CouchDB
relax

activecouch

couchbase

couchy

couch_resource

couch_foo

couchengine

couch_store

couchrest

couch_surfer

couch_potato

couchpr0n

lazyboy

Furniture PORN

Welcome to the **HOTTEST** site on the Web for hardcore furniture action! If you're ready to see some hot, horny home furnishings get their freak on then you're in the right place!! You won't believe what our furniture will do! It'll make you pop your springs and throw your pillows!!

Below is just a taste of what you'll get as a member. 100's more pics inside!!!
JOIN NOW!!!!



When the owner's away, the fun begins for the furniture.



"Is it hot in here, baby, or is it just you?"



"Are you looking for loose change, baby, or are you just happy to see me? Ooooh!"



Somebody's gonna need re-upholstering after this hot time!







apache
CouchDB
relax

couchrest

CloudKit <http://getcloudkit.com/>

An Open Web JSON Appliance

Version 0.10.1 released. Install with `gem install cloudkit`.

Build APIs Like This

```
require 'cloudkit'
expose :notes, :projects
```

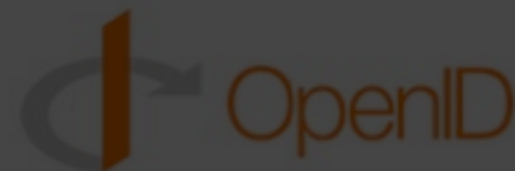
CloudKit provides RESTful JSON storage with optional OpenID and OAuth support, including OAuth Discovery. Stored entities are versioned. Services manage their

```
require 'cloudkit'
expose :notes, :projects
```

alongside other Rack-based applications or middleware components such as Rails, Merb or Sinatra.



The CloudKit stack provides an optional OAuth Filter with support for OAuth Core 1.0 and OAuth Discovery. Share your APIs with



An OpenID Filter supplies authentication for browser-based clients. Both the OAuth and OpenID Filters collaborate to simultaneously



Discoverable, schema-free, auto-versioned JSON storage tracks each version of each JSON document to allow progressive

* expose.ru

```
1 require 'cloudkit'  
2 expose :notes, :things
```

But I want an ORM!

* note.rb

```
1 require 'CloudKit'
2 require 'Clouder'
3
4 class Note < Clouder::Entity
5     uri "http://localhost:9292/notes"
6 end
```

}

* config.ru * bare.html

```
1 require 'cloudkit'  
2 expose :notes, :things
```

Taffy DB : A JavaScript database for your browser

[Download Taffy DB](#) | [Feedback/Bugs](#) | [Getting Started](#) | [FAQ](#)



Attend the TaffyDB presentation by Ian Smith at [JSConf2009](#).

Taffy DB is a free and opensource JavaScript library that acts as thin data layer inside Web 2.0 and Ajax applications.

What makes it cool:

- 10K file size!
- Simple, JavaScript Centric Syntax
- Fast
- Easy to include in any web application
- Compatible with major Ajax libraries: YUI, JQuery, Dojo, Prototype, FXT, etc.

Taffy DB Support and User Group

[View Archive](#)

Tutorial:

[Building a JavaScript table grid application](#)

Example JavaScript App:

[Weekly Schedule App](#)

Sites using Taffy DB:

[Joe's Goals](#)

[QuoteWizard](#)

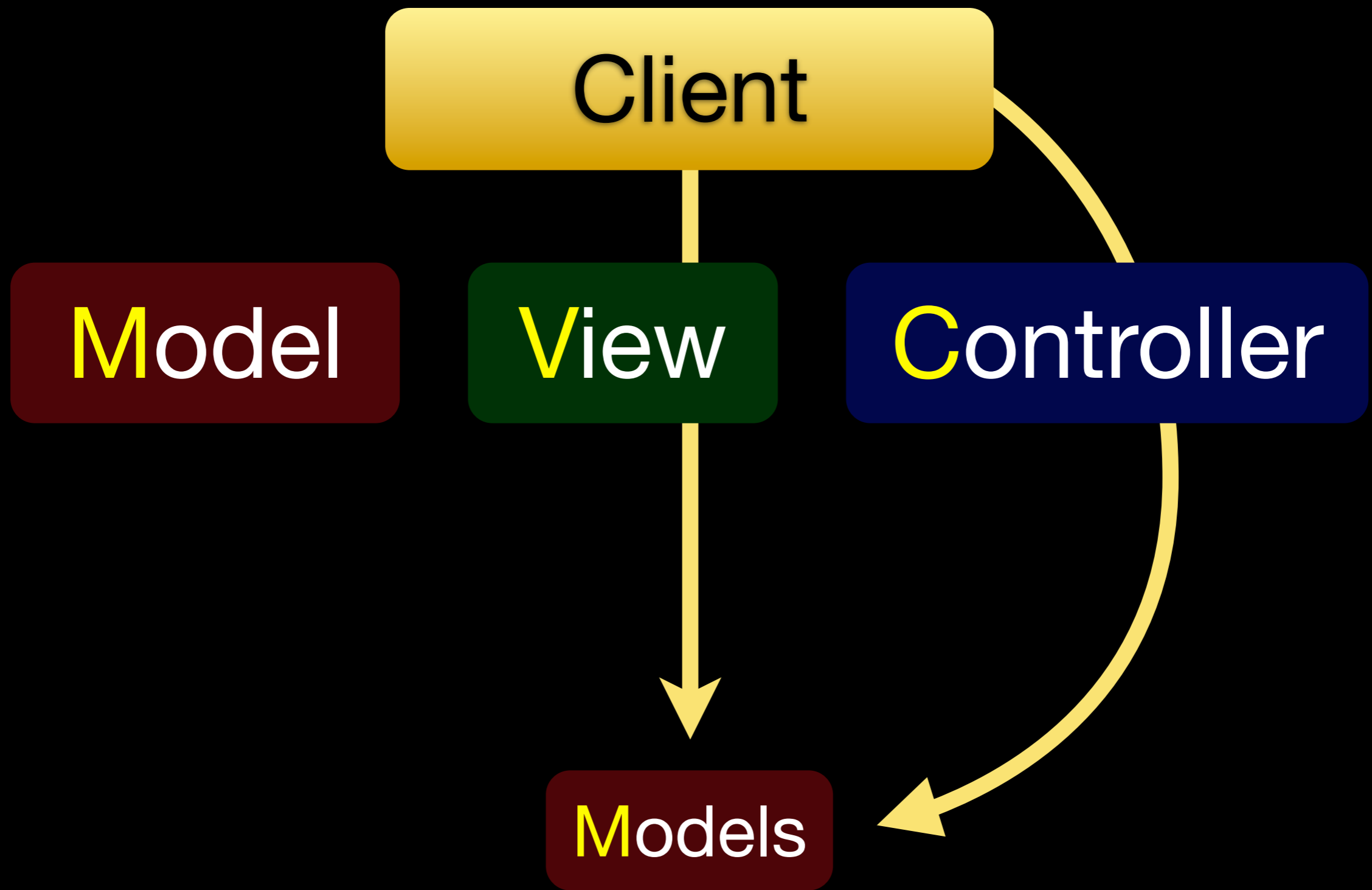
[CinemaNow](#)

[Seattle Out To Lunch 2008](#)

Know of one? [Submit it.](#)

* bare-withcloudkit.html

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2 <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en" dir="ltr"
  id="html">
3 <head>
4   <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
5   <script type="text/javascript" src="../vendor/jquery-1.3.1.js"></script>
6   <script type="text/javascript" src="../vendor/taffy-1.6.1-patched.js"></script>
7   <script type="text/javascript" src="../jquery.cloudkit.js"></script>
8 </head>
9 <body>
10   <h1>With Cloudkit jQuery Library</h1>
11 </body>
12 </html>
```



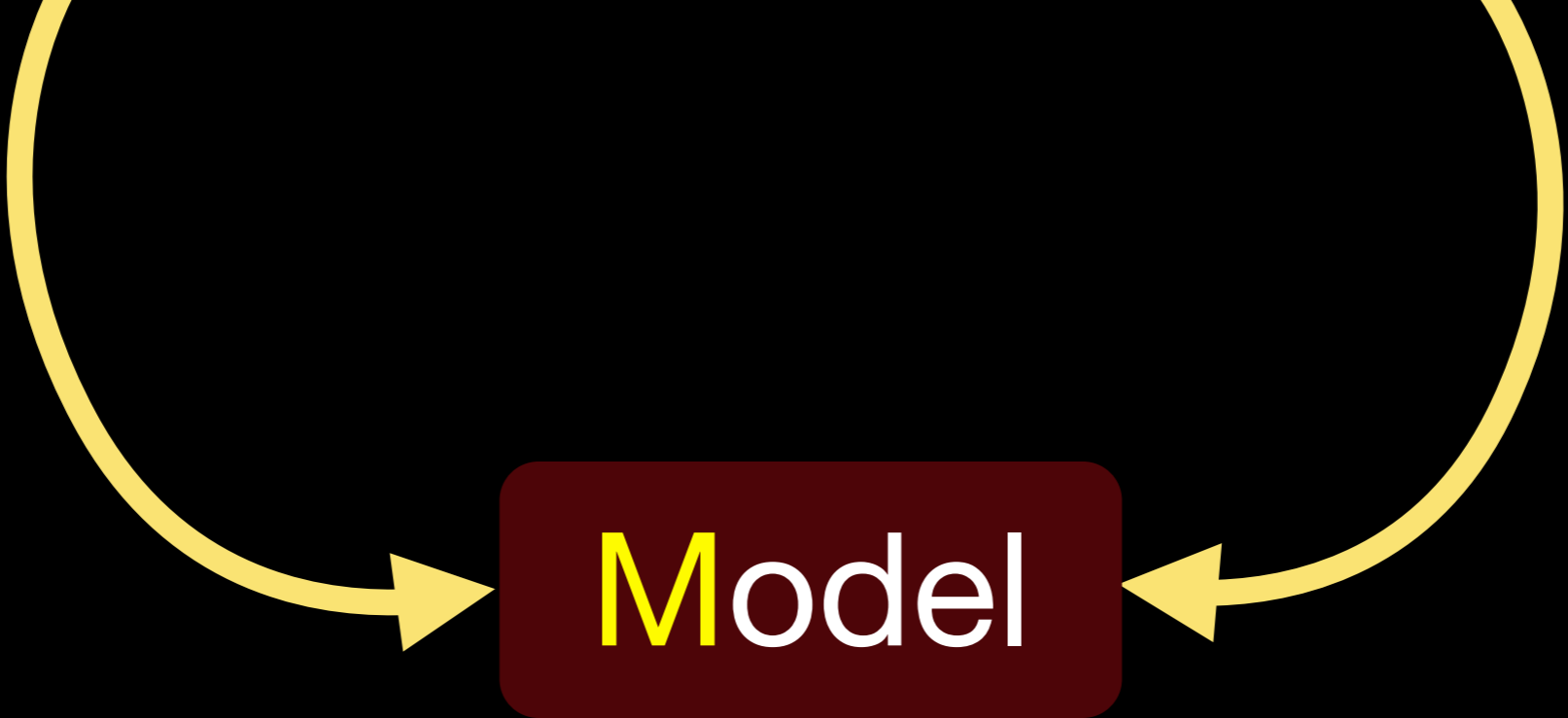
Client Models

Client Models

Load taken off the Server

Application becomes more scalable

More responsive to the User





Search Docs

Show search options

[New](#)
[Upload](#)
[Share](#)
[Move to](#)
[Hide](#)
[Delete](#)
[Rename](#)
[More actions](#)

All items	Name	Folders / Sharing	Date
YESTERDAY			
<input type="checkbox"/>	JetBrains Giveaway Program - Use	Booth.david, Claudio, Brendan.humphreys, President, Fgravel, Dario, Doug.n.park, Knut-olav, Bjorn	Mar 23 <small>Greg.ostravik</small>
EARLIER THIS MONTH			
<input type="checkbox"/>	Ruby 1.9 Expenses	me, Dblack, Wobblini	Mar 15 <small>Wobblini</small>
<input type="checkbox"/>	Subcontract Agreement No. 78323	me	Mar 9 <small>me</small>
<input type="checkbox"/>	Danae's Food Journal	Danaepollack, me	Mar 5 <small>Danaepollack</small>
<input type="checkbox"/>	Sponsorship, Registration, & I...	me, Eric, Eric.marden, Al.the.x	Mar 2 <small>me</small>
EARLIER THIS YEAR			
<input type="checkbox"/>	Gregg Money	me	Feb 27 <small>me</small>
<input type="checkbox"/>	devnexus conference - press releas	me	Jan 22 <small>me</small>
OLDER			
<input type="checkbox"/>	Funds for December	me	12/28/08 <small>me</small>
<input type="checkbox"/>	Untitled	me	12/25/08 <small>me</small>
<input type="checkbox"/>	EFT_CTX Letter Revised 102006	me	12/23/08 <small>me</small>
<input type="checkbox"/>	ShowMeTheMeter	me	12/18/08 <small>me</small>
<input type="checkbox"/>	The Case for Ruby	Leahparker2, me	11/24/08 <small>Leahparke</small>
<input type="checkbox"/>	doterati_Org_June 2008	Mark.krupinski, Arudloff, Dawnahatton, Paul.ima, Arsanita, Tara.dot, Mark.krupinski, Mweber, Peter	9/17/08 <small>Tara.dot</small>
<input type="checkbox"/>	doterati_focus group_June 2008_P	Mark.krupinski, Arudloff, Dawnahatton, Paul.ima, Arsanita, Tara.dot, Mark.krupinski, Mweber, Igotd	9/17/08 <small>Tara.dot</small>
<input type="checkbox"/>	doterati_ByLaws_June 2008_propo	Mark.krupinski, Arudloff, Dawnahatton, Paul.ima, Arsanita, Tara.dot, Mark.krupinski, Mweber, Bobn	9/17/08 <small>Tara.dot</small>
<input type="checkbox"/>	Danae's todo list	Danaepollack, Melanie.coyle, me	8/25/08 <small>Danaepollac</small>
<input type="checkbox"/>	Ning Code of Conduct_June 2008_J	Mark.krupinski, Arudloff, Dawnahatton, Paul.ima, Arsanita, Mark.krupinski, Mweber, Peter.scott, Ne	8/24/08 <small>Reynmike</small>
<input type="checkbox"/>	Web site collaboration	Greg.pederson, Marshallsontag, me	7/30/08 <small>Greg.peders</small>
<input type="checkbox"/>	Catering Menues	me	7/3/08 <small>me</small>
<input type="checkbox"/>	International Bus and Parts Web Si	Greg.pederson, Tiliff, Tim.iliff, me	6/25/08 <small>Greg.peders</small>
<input type="checkbox"/>	doterati_Budget_June 2008_propo	Mark.krupinski, Arudloff, Dawnahatton, Paul.ima, Arsanita, Mark.krupinski, Mweber, Peter.scott, Ne	6/18/08 <small>Mark.krupin</small>
<input type="checkbox"/>	Free Layouts	Jbennett55, me	9/17/07 <small>Jbennett55</small>
<input type="checkbox"/>	CellularSwitchRequirements v4	me	9/11/07 <small>me</small>
<input type="checkbox"/>	Database Project Specs - Gregg Po	me	8/21/07 <small>me</small>
<input type="checkbox"/>	SiteMap	me	8/2/07 <small>me</small>

- Owned by me
- Opened by me
- Starred
- Hidden
- Trash
- Saved searches
- All folders
 - Items not in folders
- Items by type
- Shared with...
 - Arsanita (5 items)
 - Arudloff (5 items)
 - Bjorn.granvik (1 item)
 - Brendan.humphreys (1 item)
 - Claudio (1 item)
 - Dan (5 items)
 - Danaepollack (2 items)
 - Dario (1 item)
 - David (5 items)
 - Davidb (5 items)
 - Dawnahatton (5 items)
 - Doug.n.park (1 item)
 - Fgravel (1 item)
 - Greg.pederson (3 items)
 - Igor_spasic (1 item)
 - Igotdreams (1 item)
 - Javageekz-moderator
 - Jcarman (1 item)
 - Jeremy.ima (5 items)
 - Josh (5 items)
 - Jseifer (2 items)

Select: All 44, None

Showing items 1-44 of 44

Sayswap Todo List

Share

File Edit View Format Insert Tools Form Help

\$ % 123 ▾
10pt ▾
B Abc

	A	B	C	D	E	F	G	
	ID	Name	Description	Type	Status	Due Date	Estimated Hours	Ac Ho
1								
2								
3								
4	1	Update White Label Graphics	See Attached Cheatcodes Graphics and wl.sayswap.com / fix console bar also in Prod site	New	Pending	11/311/2006	2	
5	2	Templates	Output templates so we can correct for White Label / Create new E-mail header - all the templates are in app/views/user_notifier	New	Done			
6	3	Add Links	Trading Tokens - Link Top Right of My Profile Page. If you click on Trading Tokens the following window opens: "What are Trading Tokens? You need one Trading Token for each time you get a game. You purchase Trading Tokens directly from us. There are no monthly fees, contracts (except for the Terms of Use), or any other costs that are paid to us." please add a large button near the bottom of that window "Buy Now" (links to purchase page) Same for the Purchase Points.	New	Done	11/314/2006	1	
7	4	Affiliate Supression	Allow Affiliate reporting to be supressed but saved by affiliate- create a supressed affiliate page. Hide affiliate from list.	New	Done	11/314/2006	3	
8	5	Detail Swap Report	Add Affiliate if any next to sender and buyer	New	Done	11/314/2006	1	
9	6	Trend Reports	Correct Swap report to exclude cancelled Swaps	New	Done	11/314/2006	1	
10	7	Trend Reports	Purchases -Add 3 Add'l columns total \$Purchases Tokens - Total purchases Points - Total Purchases, add totals at the bottom default last 30 days, but add ability to select a specific reporting period.	New	Done	11/314/2006	3	
11	8	SwapScore	Revise text per redline attached.	New	Done	11/314/2006	0.5	
12	9	Alerts- Frequency	We want to revise the alerts posted for, Sending Games, Purchasing Tokens, Purchasing Purchase Points to the following: Update when user opens My Profile Page, Send Games - Now Includes all games to be sent, Immediate Day 3,6,9,12, 19,26,56and every 30 days thereafter. If another match is made then we start all over at immediate. The old alert is replaced if the user has not deleted it already. Buy Tokens and buy Purchase Points, same as above schedule. The Alert for sending out games shd always be the 1st one on the alert list regardless of dating. What is the easiest way to do that?	New	Approved	11/334/2006	7	
13			We want to revise the e-mail schedule for mailing out games to the following: next day, +3, +3, +7, +7, +30 and + 30 thereafter. If there is a change to requirement such as another game requested, then we start all over. What is					



User Menu

Hotel Name

Standard Menu

- Main Page
- Executive Report
- Competition Analysis
- Channels Update
- Log out

Historical Data

- History Chart
- History Table
- 3 Days PickUp
- PickUp Chart
- DOW Chart
- Miscellaneous Chart
- Miscellaneous Table

DB.Date 2006-03-03
Last Captured 2007-10-21
22:08:30

Report Type

Biz Analysis

2006-02-04

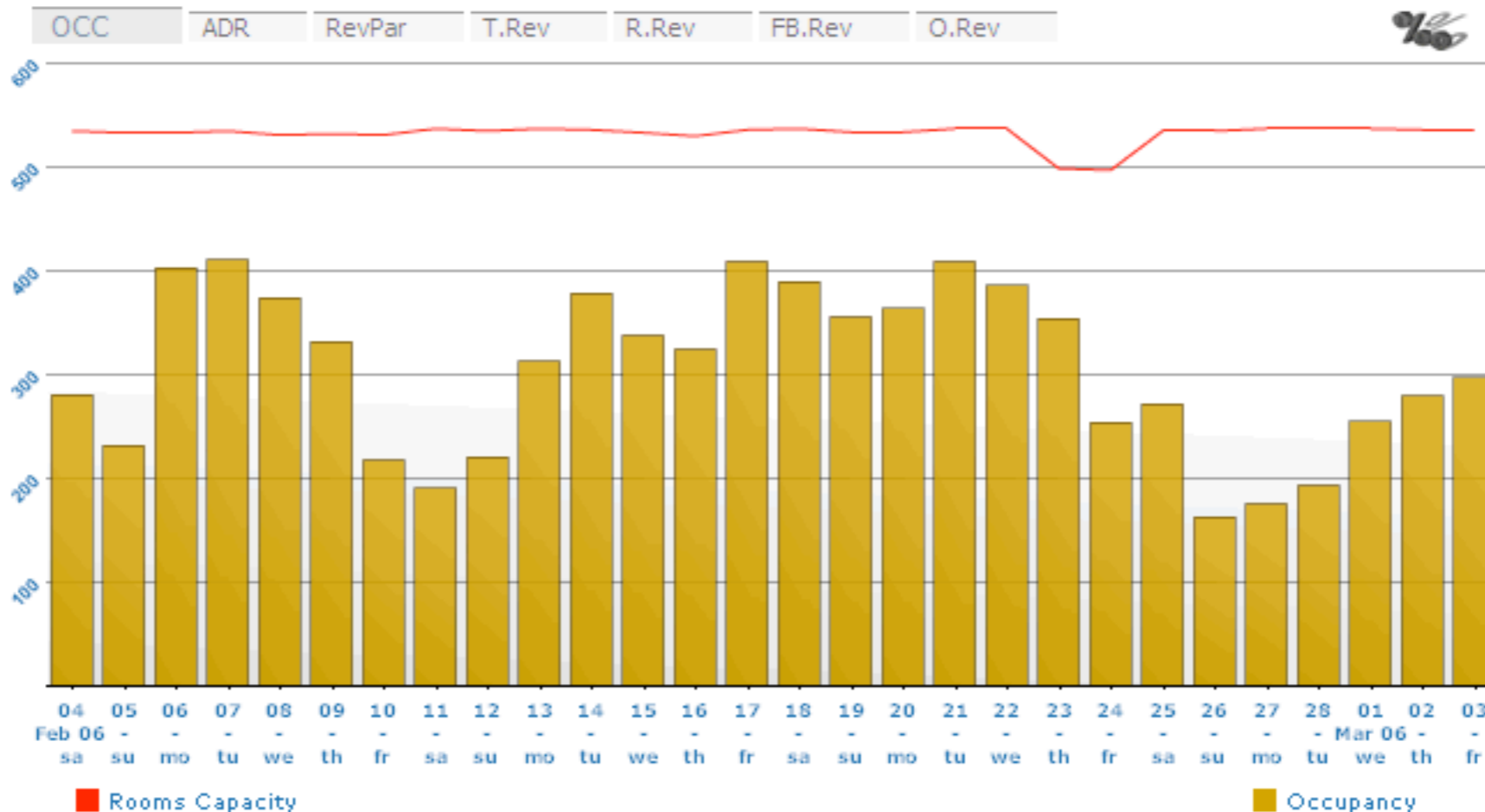
2006-03-03

Display

M T W T F S S

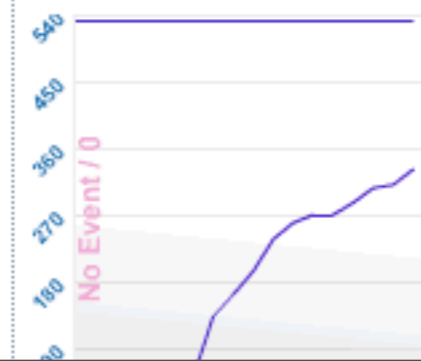
Local Currency is **euro**. Change it to **USD**

Historical Data Menu / History Chart / Market Segment / total



09.Feb	INDB	LGR	FIT	COR	WS	CRW	BGR	GOV	Total
OCC	92	69	39	33	31	30	23	6	331
ADR	98	68	116	104	85	50	100	63	87
RevPar	34	18	17	13	10	6	9	1	54
TRev	13979	7760	5531	4456	3173	1488	3208	415	41740
RRev	8992	4713	4513	3425	2646	1501	2303	379	28712
FBRev	4648	2580	367	443	304	119	883	74	10556
ORev	339	467	651	588	223	-132	22	-38	2472

NS	WI	ED	ES	CP	DU	HU	CXL	LCXL	OOO	DEN
7	4	9	8	3	0	0	33	8	6	2



User Preferences

[CONSOLIDATED DEMO](#)

Pref Analysis

- DOW Chart
- Executive Report
- History Chart
- Month Stat
- PickUp Chart
- Roh Profile Chart
- Update XRates
- Add new pref
- Delete a pref

Ext Links

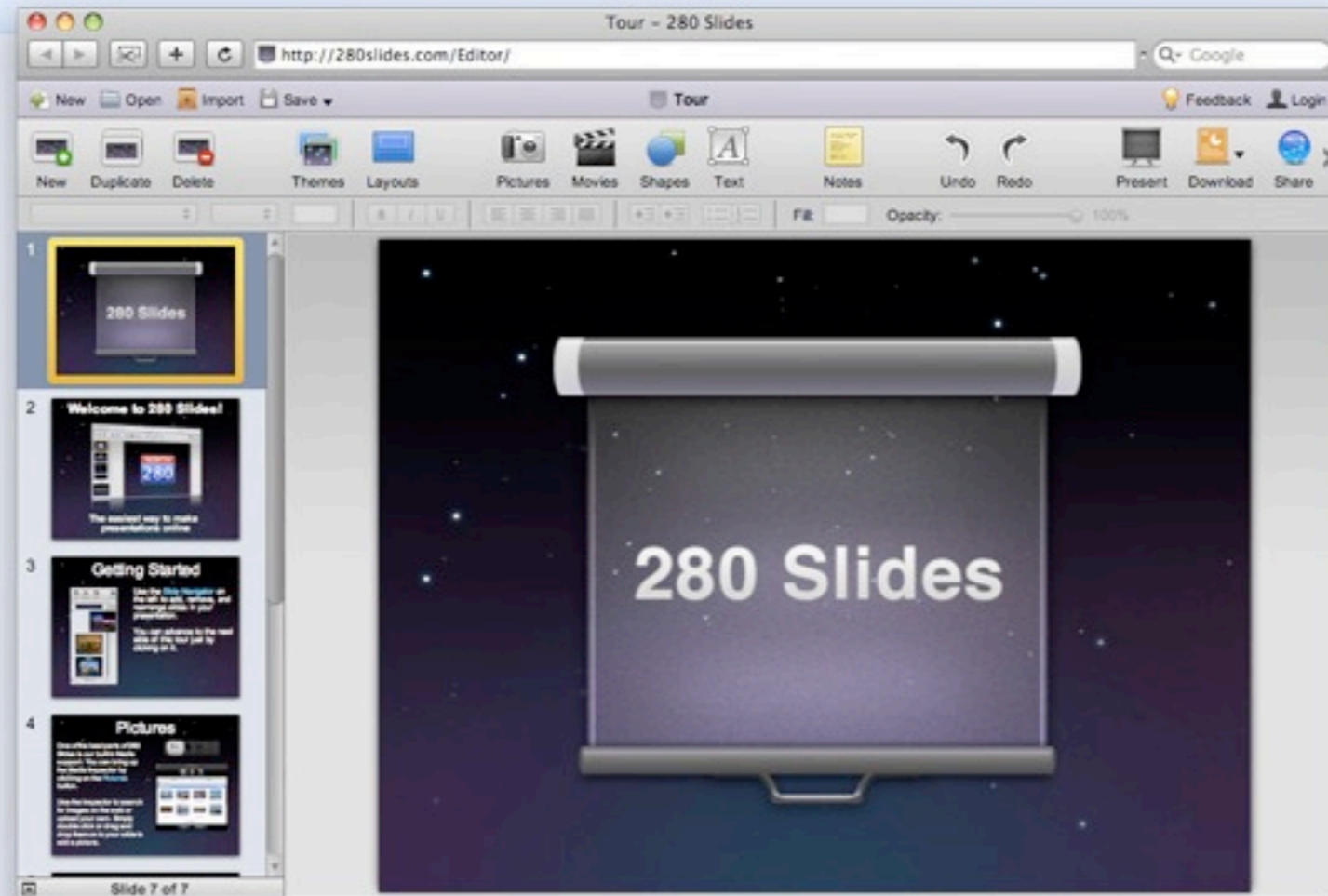
- Google
- Hotmail
- I-Zen
- TNYou

+ Name -- www.YourLink

- LinkName

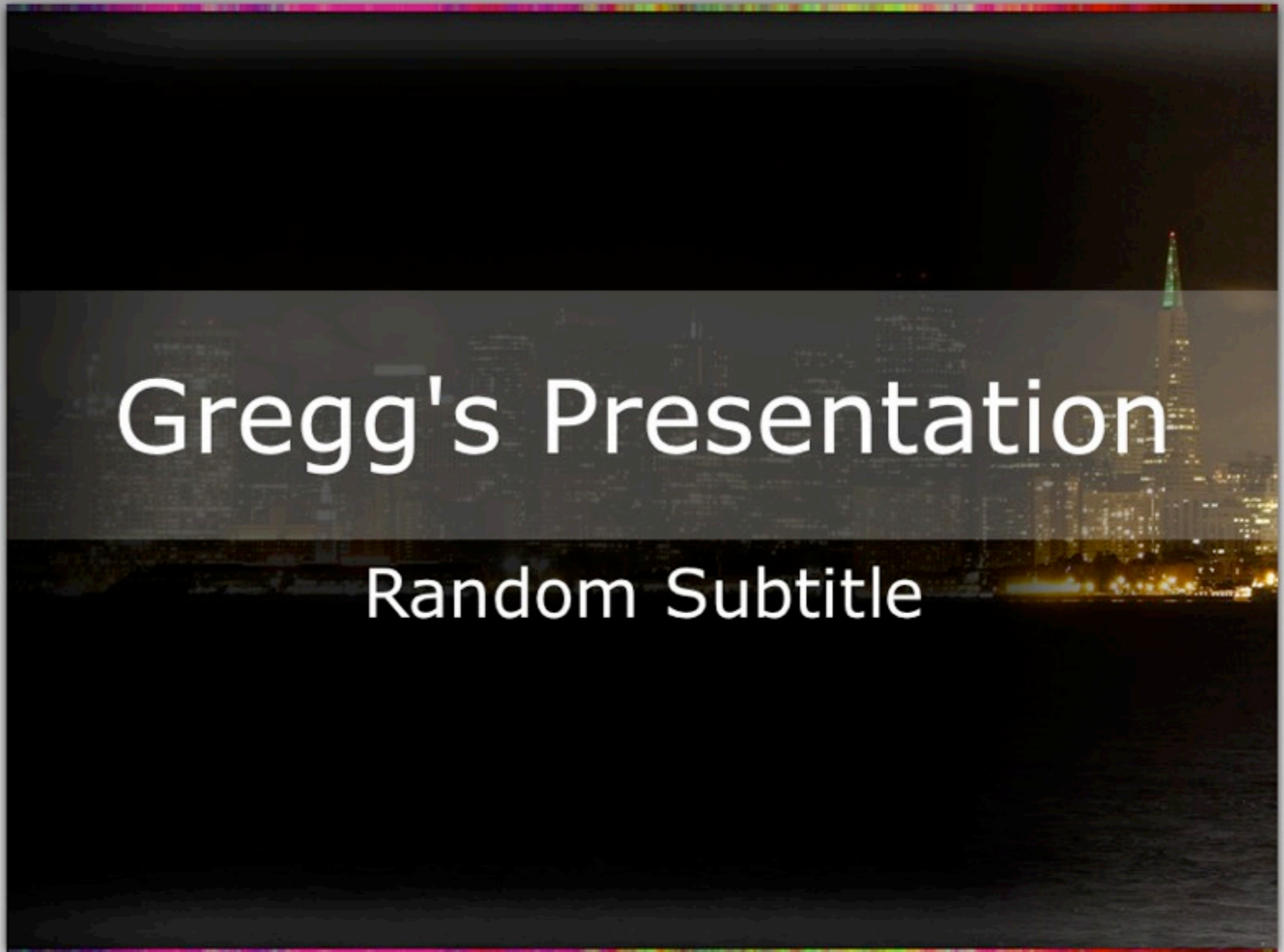


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Complex Interactive Forms

Cloudkit

An Open Web JSON Appliance

Rails Templates



restful_authentication

will_paginate

role_requirement

rspec

paperclip

```
# template.rb
```

```
run "rm public/index.html"
```

```
generate(:scaffold, "person name:string")
```

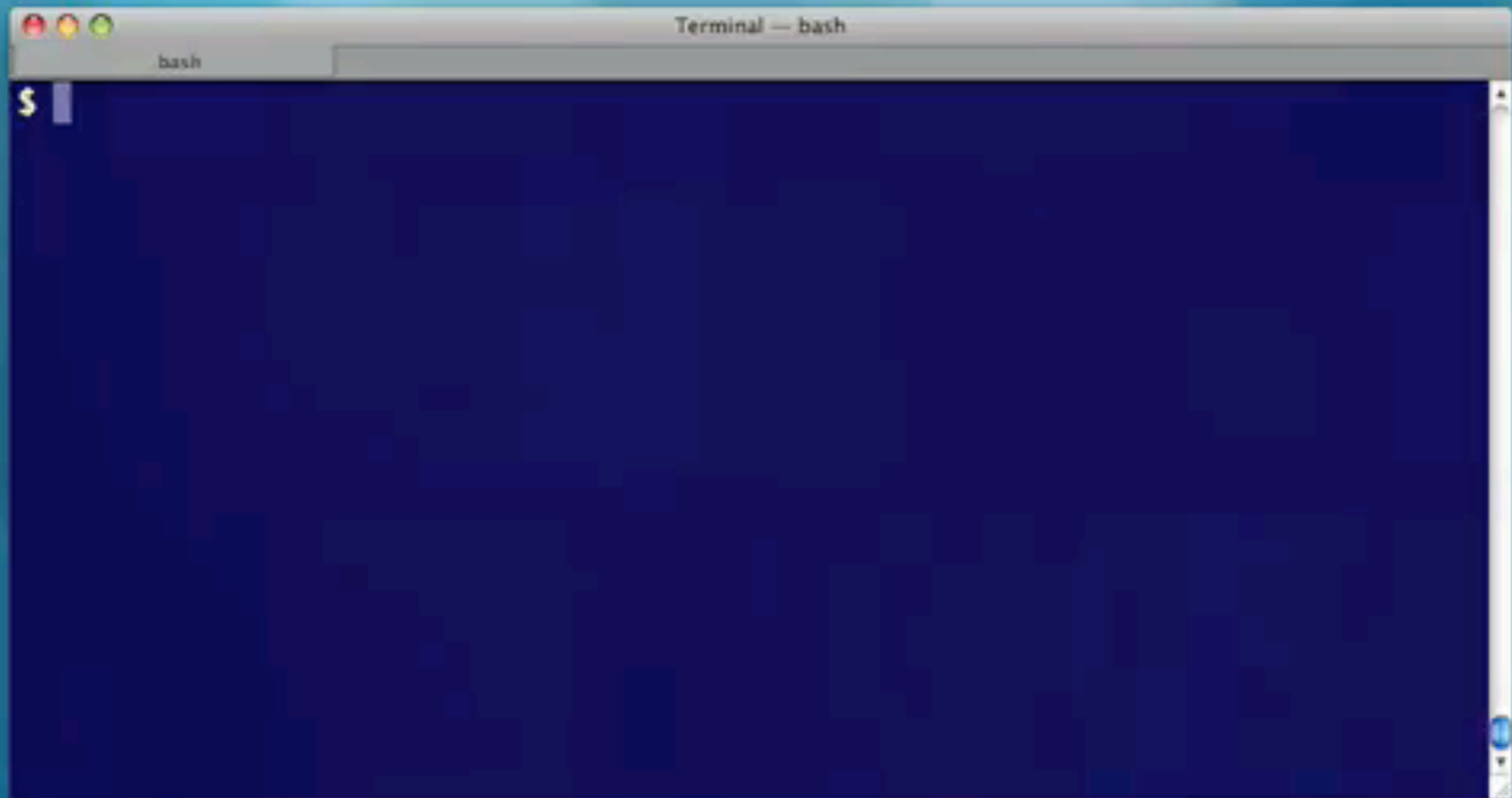
```
route "map.root :controller => 'people'"
```

```
rake("db:migrate")
```

```
git :init
```

```
git :add => "."
```

```
git :commit => "-a -m 'Initial commit'"
```

Rails Template Example

Template Functions

- Start a repository
- Commit to the repository
- Manipulate files
- Add gems and plugins
- Run rake tasks

A Rails App in Seconds!



Plugins

- asset_packager
- attachment_fu
- authlogic
- exception_notifier
- hoptoad_notifier
- open_id_authentication
- paperclip
- restful_authentication
- role_requirement
- rspec
- ssl_requirement

▶ Gems

▶ Commands

Download

Rails Templates



<http://youvegotrails.com>

<http://github.com/jeremymcanally/rails-templates>

<http://www.railsboost.com>



**AND NOW FOR SOMETHING
COMPLETELY DIFFERENT**



Ruby 1.9.1

Released January 30, 2009

Why You Should Deploy Your Next Application on Ruby 1.9 and a Rant in General

Wednesday February 25, 2009

No, it's not speed. That's just icing on the cake. The real reason is more obvious than that; library compatibility.

Despite the fact the fact that the Ruby 1.9-preview releases has been out for months, there's quite a few gems that's not compatible. Rails works fine though. Can you believe that? Rails is better than most of your gems.

Targeting Ruby 1.9 for your next major deployment of your application (or your next application) is a perfect excuse to do some janitorial duty and make the gems not working 1.9 compatible. Don't just report it [on a site](#), fix it! Unless the gem does some hardcore thread scheduling in a C-extensions, chances are it'll take you less than half an hour to make the tests pass on 1.9.

[This post](#) pretty much cover how you'll fix 85% of the gems not working out of the box on 1.9, you'll even manage to do it before your coffee is ready.

I know I'll be launching my next application on 1.9. It's the only way to move things forward.

But I can't shake this feeling of that something is heading down the wrong path in the Ruby community at large. Nevermind the fact that most of us went **oh shi-** (that sound you'd make just before the universe blows up) when Ruby

Meta

This is the
here you'
technolog
[more](#)

Syndic

[Atom](#)

is it **ruby** 1.9^{point}

Community-powered gem compatibility for ruby 1.9

or [Browse all](#)

Latest Feedback



hpricot (0.7) is **WORKING**
for [Andre Lewis](#) (Mac OSX)



authlogic (2.0.2) is **WORKING**
for [Erik](#) (Mac OSX)



fastthread (1.0.4) is **WORKING**
for [Hongli Lai](#) (GNU/Linux)



qtruby4 (1.4.10) is **FAILING**
for [Youhei Kondou](#) (GNU/Linux)



hpricot (0.7) is **FAILING**
for [Ryan Grove](#) (Mac OSX)

Popular gems (most comments)

- **hpricot** 10 8
- **eventmachine** 10 5
- **nokogiri** 10
- **rack** 5 5
- **rspec** 8 1
- **sqlite3-ruby** 7 2
- **rcov** 1 7
- **redcloth** 4 5
- **haml** 7
- **tmail** 1 5
- **fastthread** 4 2
- **libxml-ruby** 4 2
- **thin** 3 3
- **twitter4r** 1 4
- **mocha** 5

Get involved!

The Ruby community needs your help. [Install Ruby 1.9.1](#) then try out your favourite gems and provide feedback here.

We can then track the general "supported-ness" of gems in Ruby 1.9

Let us know your thoughts!

Visit [our forum](#) to report any bugs or pass on your suggestions.

Don't know where to start?

Try one of these...

- [simplesync](#)
- [main](#)
- [dm-tags](#)
- [qualitysmith_extensions](#)
- [ruby-glfw](#)



MacRuby 0.4

Released March 6, 2009

Objective C

```
[NSColor colorWithRed:0.9569 green:0.6980 blue:0.3882]
```

MacRuby

```
color :red => 0.9569, :green => 0.6980, :blue => 0.3882
```



HotCocoa

```
1 require 'hotcocoa'  
★ 2 include HotCocoa|
```

Line: 2 Column: 17 Ruby

Soft Tabs: 2

Terminal — bash — 69x7

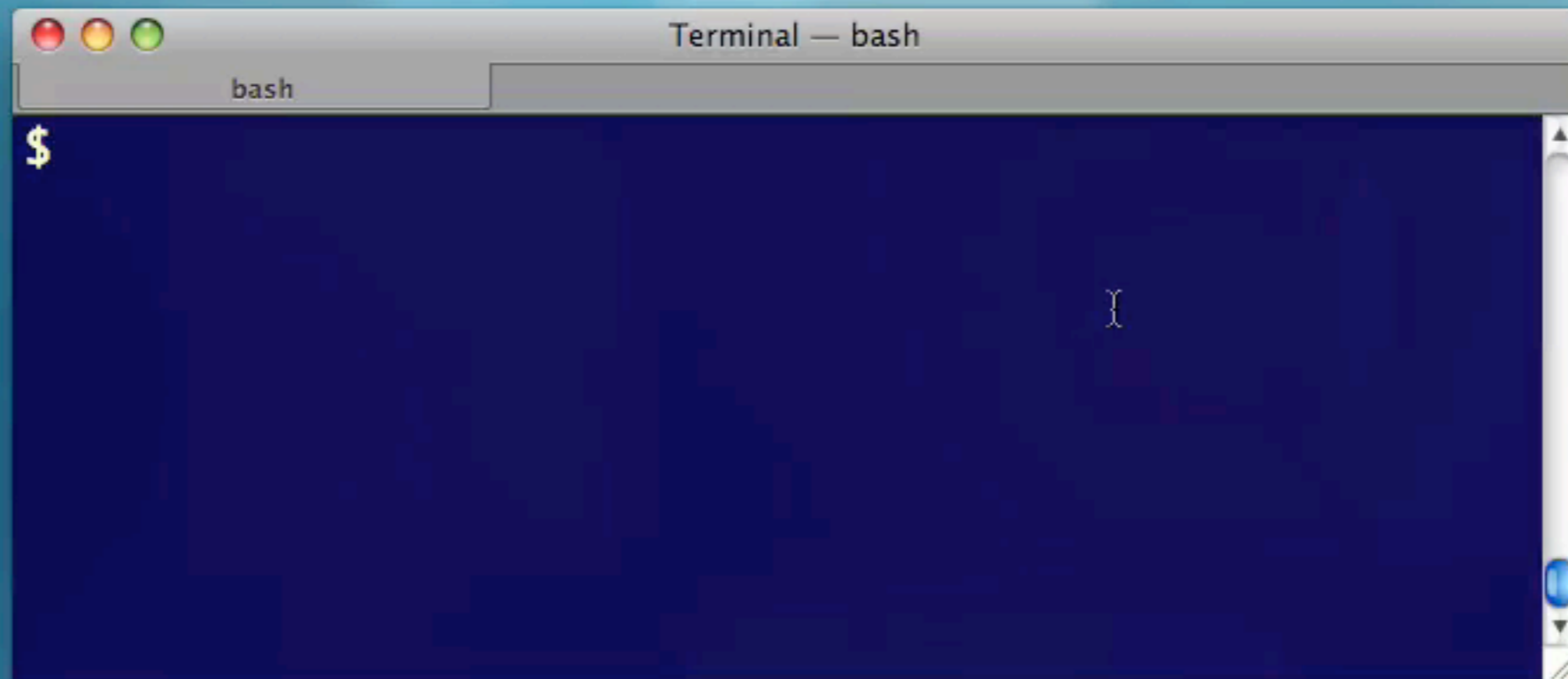
\$



Shoes

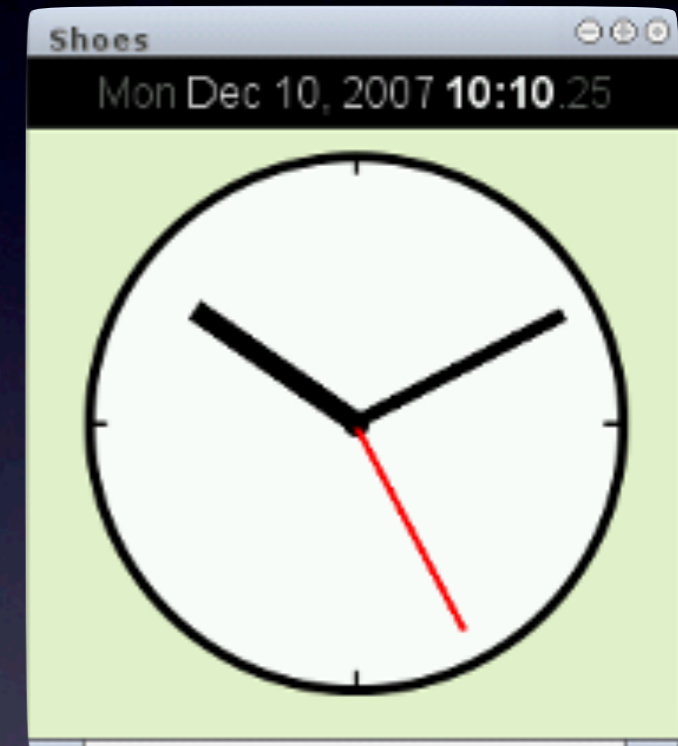
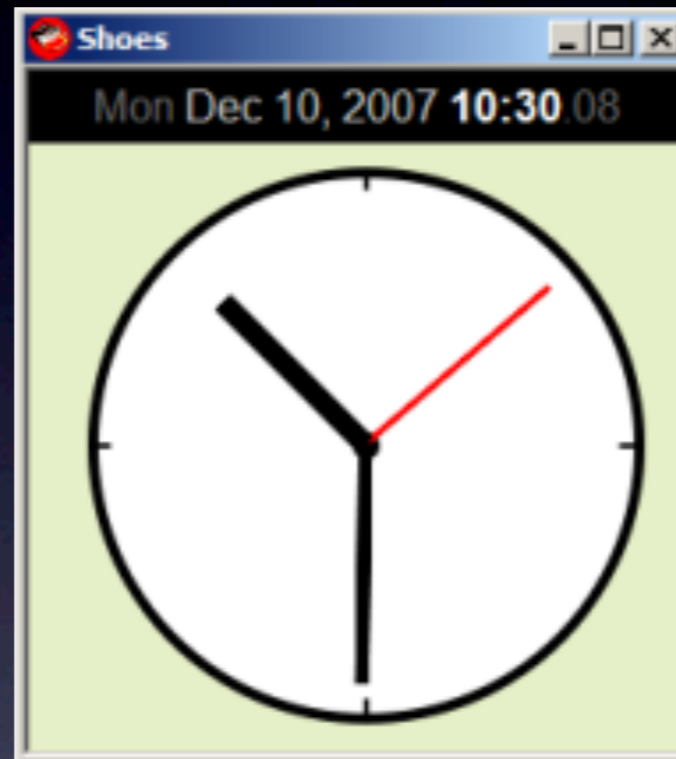
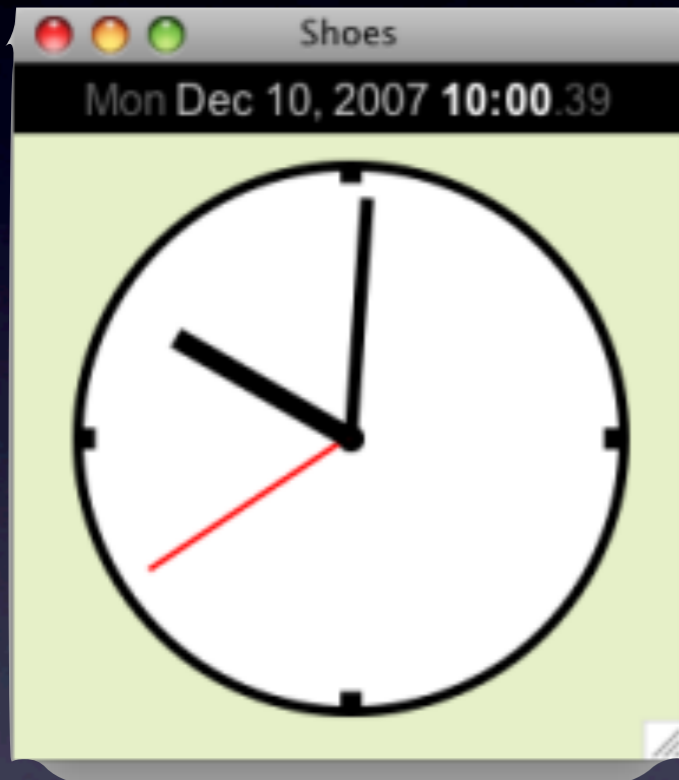
```
Shoes.app {  
  button("My Button")  
}
```

Shoes



Shoes

Cross Platform



The background of the hero section is a photograph of a sandcastle on a beach. The sandcastle is made of light-colored sand and has several circular holes and decorative patterns. The ocean and sky are visible in the background.

Let the **web** be your **sandbox**

Scrape.
Shape.
Integrate.
Profit.

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Dashboard

- ▶ Saved Reports
- 👤 Visitors
- 📍 Traffic Sources
- 📄 Content
- 🚩 Goals

Custom Reporting Beta

Settings

- 🔍 Advanced Segments Beta
- ✉ Email

Help Resources

- ? About this Report
- ? Conversion University
- ? Common Questions

Export | Email

Beta Advanced Segments: [All Visits](#)

Dashboard

Feb 21, 2009 - Mar 23, 2009



Site Usage

1,236 Visits

2,858 Pageviews

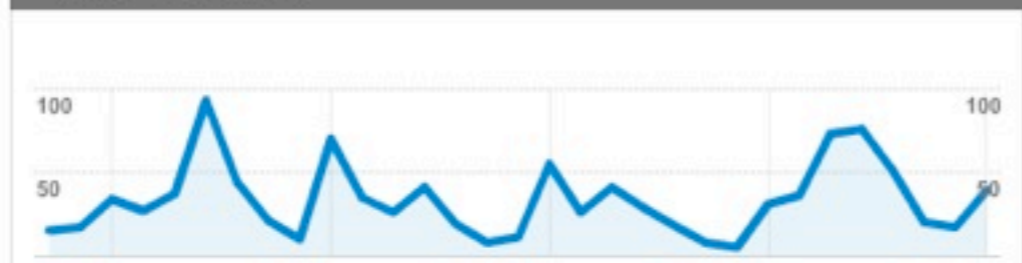
2.31 Pages/Visit

50.81% Bounce Rate

00:02:24 Avg. Time on Site

66.67% % New Visits

Visitors Overview



856 Visitors

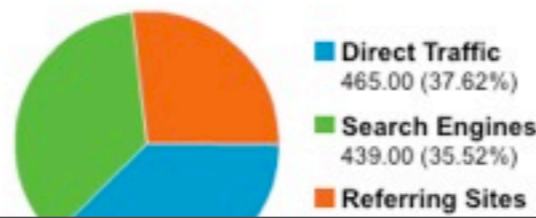
[view report](#)

Map Overlay



[view report](#)

Traffic Sources Overview



Content Overview

Pages	Pageviews	% Pageviews
/	1,265	44.26%
/what	434	15.19%
/when	325	11.37%

```
require 'rubygems'
require 'scrubyt'

data = Scrubyt::Extractor.define :agent => :firefox do
  fetch 'https://www.google.com/analytics/reporting/login'
  frame :name, "login"

  fill_textfield 'Email', '*****'
  fill_textfield 'Passwd', '*****'
  submit_and_wait 5

  pageviews "//div[@id='PageviewsSummary']//li[@class='item_value']",
            :example_type => :xpath
end

puts data.to_xml
```

```
require 'rubygems'
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Redmine is a flexible project management web application written in Rails

Redmine

[Overview](#) [Download](#) [Activity](#) [Roadmap](#) [Issues](#) [News](#) **Wiki** [Forums](#) [Repository](#)

Redmine

[History](#)

Redmine is a flexible project management web application. Written using Ruby on Rails framework, it is cross-platform and cross-database.

Redmine is open source and released under the terms of the [GNU General Public License v2 \(GPL\)](#).

Overview

- Multiple projects support
- Flexible role based access control.
- Flexible issue tracking system
- Gantt chart and calendar
- News, documents & files management
- Feeds & email notifications.
- Per project wiki
- Per project forums
- Simple time tracking functionality
- Custom fields for issues, projects and users
- SCM integration (SVN, CVS, Git, Mercurial, Bazaar and Darcs)
- Multiple LDAP authentication support
- User self-registration support
- Multilanguage support
- Multiple databases support

[Read more about Redmine features](#)

Online demo

An online demo can be found here: <http://demo.redmine.org>.

Please note that this demo may not be available 24/7. This demo is a svn head version of Redmine and thus may contain more features or bugs than the downloadable release.

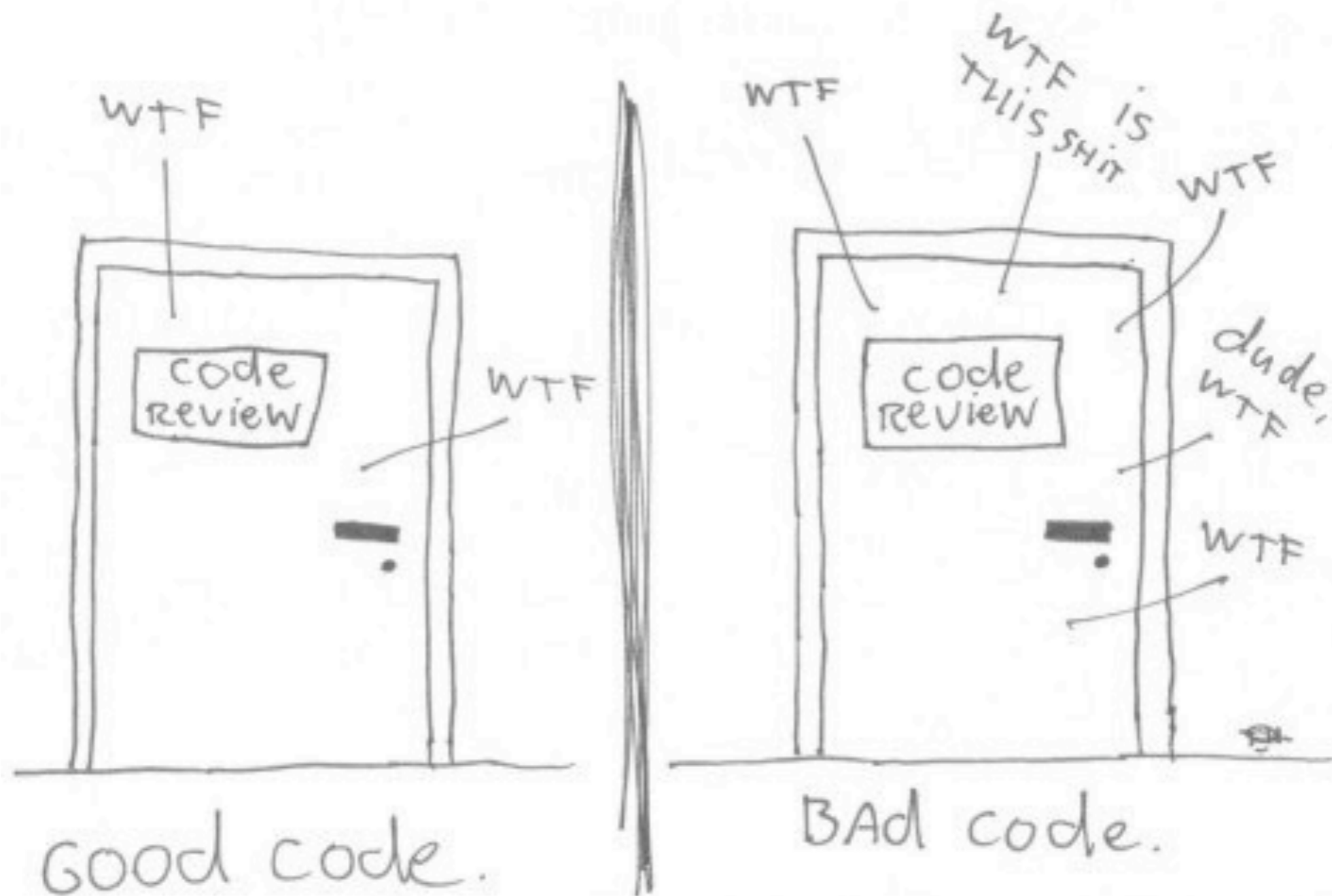
Documentation

You can read the [Redmine guide](#) (work in progress).

Others resources:

- [Changelog](#)
- [Frequently Asked Questions](#)
- [HowTos](#)

The ONLY VALID MEASUREMENT
OF Code QUALITY: WTFs/MINUTE



```
if home_phone && home_phone.size > 0
  do_something
end
if work_phone && work_phone.size > 0
  do_something_else
end
if mobile_phone && mobile_phone.size > 0
  do_another_thing
end
```

Confessions of a Ruby Sadist

```
sudo gem install flay
```

Flay analyzes ruby code for structural similarities. Differences in literal values, names, whitespace, and programming style are all ignored.

Code that flay reports as similar is a good candidate for refactoring.

Try this:

```
% sudo gem install flay  
% flay lib/*.rb
```

and see what you find.



Flay Output

Matches found in :if (mass = 92)

file.rb:2

file.rb:5

file.rb:8

Flog

Confessions of a Ruby Sadist

```
sudo gem install flog
```

Flog shows you the most torturous code you wrote. The more painful the code, the higher the score. **The higher the score, the harder it is to test.**

Run it against your best stuff. I *double-dog* dare you.

Flog essentially scores an ABC metric: Assignments, Branches, Calls, with particular attention placed on calls.

Run flog on all your code. Try this:

```
find lib -name \*.rb | xargs flog
```



```
class Test
  def blah
    a = eval "1+1"
    if a == 2 then
      puts "yay"
    end
  end
end
```

Is seen by
flog as:

```
class Test
  def blah          # 11.2 =
    a = eval "1+1" # 1.2 + 6.0 +
    if a == 2 then # 1.2 + 1.2 + 0.4 +
      puts "yay"   # 1.2
    end
  end
end
```

and reported
as:

```
Test#blah: (11.2)
 6.0: eval
 1.2: branch
 1.2: ==
 1.2: puts
 1.2: assignment
 0.4: lit_fixnum
```


Roodi





Oh My Goth! ...the APDT's in town.

Roodi Results

[Roodi](#) parses your Ruby code and warns you about design issues you have based on the checks that is has configured.

File Path	Warning
app/controllers/tree_controller.rb:	Found = in conditional. It should probably be an ==
app/controllers/tree_controller.rb:	Found = in conditional. It should probably be an ==
app/controllers/tree_controller.rb:	Found = in conditional. It should probably be an ==
app/helpers/application_helper.rb:	Found = in conditional. It should probably be an ==
Found 4 errors.:	



```
class CsvWriter
  def write_line(fields)
    if (fields.length == 0)
      puts
    else
      write_field(fields[0])
      1.upto(fields.length-1) do |i|
        print ","
        write_field(fields[i])
      end
      puts
    end
  end
end

#...
end
```

```
$ reek csv_writer.rb
```

```
CsvWriter#write_line
```

```
  calls fields.length multiple times  
  (Duplication)
```

```
CsvWriter#write_line
```

```
  has approx 6 statements (Long  
  Method)
```

```
CsvWriter#write_line/block
```

```
  has the variable name  
  'i' (Uncommunicative Name)
```

```
$ reek csv_writer.rb
```

```
CsvWriter#write_line
```

```
  calls fields.length multiple times  
  (Duplication)
```

```
CsvWriter#write_line
```

```
  has approx 6 statements (Long  
  Method)
```

```
CsvWriter#write_line/block
```

```
  has the variable name  
  'i' (Uncommunicative Name)
```



```
$ reek csv_writer.rb
```

```
CsvWriter#write_line
```

```
  calls fields.length multiple times  
  (Duplication)
```

```
CsvWriter#write_line
```

```
  has approx 6 statements (Long  
  Method)
```

```
CsvWriter#write_line/block
```

```
  has the variable name  
  'i' (Uncommunicative Name)
```

```
$ reek csv_writer.rb
```

```
CsvWriter#write_line
```

```
  calls fields.length multiple times  
  (Duplication)
```

```
CsvWriter#write_line
```

```
  has approx 6 statements (Long  
  Method)
```

```
CsvWriter#write_line/block
```

```
  has the variable name
```

```
  'i' (Uncommunicative Name)
```

Metric FU

C0 code coverage information

Generated on Thu Mar 26 11:28:05 -0400 2009 with [rcov 0.8.1.2](#)

Name	Total lines	Lines of code	Total coverage	Code coverage
TOTAL	766	608	85.4%	82.6%
app/controllers/ssh_keys_controller.rb	87	61	33.3%	14.8%
app/helpers/commits_helper.rb	32	30	34.4%	30.0%
app/controllers/users_controller.rb	23	20	69.6%	65.0%
app/controllers/forks_controller.rb	22	19	77.3%	73.7%
app/helpers/repository_helper.rb	40	32	85.0%	81.2%
app/helpers/application_helper.rb	42	35	88.1%	85.7%
app/controllers/tree_controller.rb	61	52	90.2%	88.5%
app/models/project.rb	144	115	97.2%	96.5%
app/controllers/application_controller.rb	5	5	100.0%	100.0%

RCov

Source Control Churn Results

Files that change a lot in your project may be bad a sign. This task uses your source control log to identify those files.

File Path	Times Changed
test/test_helper.rb	20
config/environment.rb	18
test/unit/project_test.rb	17
config/routes.rb	16
app/models/project.rb	16
test/integration/browse_repository_test.rb	15
app/views/tree/show.html.erb	15
test/integration/projects_test.rb	12
app/helpers/repository_helper.rb	11
app/views/projects/index.html.erb	9
db/schema.rb	9
app/controllers/tree_controller.rb	8
app/helpers/application_helper.rb	8
test/unit/user_test.rb	8
app/views/projects/show.html.erb	7
app/models/user.rb	7

Churn

Flog Results

Flog measures code complexity.

File	Total score	Methods	Average score	Highest score
repository_helper.rb	102.50	2	51.30	54.30
projects_controller.rb	113.00	4	19.10	28.80
forks_controller.rb	36.40	1	28.70	28.70
ssh_keys_controller.rb	100.20	3	22.17	27.30
users_controller.rb	31.10	1	26.10	26.10
commits_helper.rb	31.80	1	25.50	25.50
tree_controller.rb	94.00	3	20.63	25.30
project.rb	198.40	7	17.16	24.10
files_controller.rb	19.20	1	19.20	19.20
key_generator.rb	30.60	2	10.20	13.60
application_helper.rb	43.50	3	11.70	13.00

Flog

Flay Results

Flay analyzes ruby code for structural similarities.

Files	Matches
app/controllers/projects_controller.rb:53 app/controllers/projects_controller.rb:68 app/controllers/ssh_keys_controller.rb:53 app/controllers/ssh_keys_controller.rb:70 app/controllers/users_controller.rb:18	1) Similar code found in :block (mass = 115)
app/controllers/projects_controller.rb:29 app/controllers/ssh_keys_controller.rb:28	2) Similar code found in :defn (mass = 50)

Generated on Thu Mar 26 11:28:29 -0400 2009

Flay

Reek Results

[Reek](#) detects common code smells in ruby code.

File Path	Code Smell
"app/controllers/commits_controller.rb" -- 1 warnings:	[Nested Iterators] CommitsController#index has nested iterators
"app/controllers/files_controller.rb" -- 1 warnings:	[Long Method] FilesController#show has approx 6 statements
"app/controllers/forks_controller.rb" -- 1 warnings:	[Long Method] ForksController#create has approx 7 statements
"app/controllers/projects_controller.rb" -- 12 warnings:	[Duplication] ProjectsController#create calls format.html more than once [Duplication] ProjectsController#create calls format.xml more than once [Long Method] ProjectsController#create has approx 7 statements [Nested Iterators] ProjectsController#create has nested iterators [Nested Iterators] ProjectsController#destroy has nested iterators [Nested Iterators] ProjectsController#index has nested iterators [Nested Iterators] ProjectsController#new has nested iterators [Nested Iterators] ProjectsController#show has nested iterators [Duplication] ProjectsController#update calls format.html more than once [Duplication] ProjectsController#update calls format.xml more than once [Long Method] ProjectsController#update has approx 6 statements [Nested Iterators] ProjectsController#update has nested iterators

Reek



BLAME

THE SECRET TO SUCCESS IS KNOWING WHO TO BLAME FOR YOUR FAILURES.

- SpecFileView
- HtmlView
- SpecTable
- String
- NSObject
- Textmate
- SpecServer
- SpecRunner
- SpecObject
- Service
- RunnerQueue
- Netbeans
- Listener
- ExampleRunnerJob
- ExampleFile
- Converter
- WindowController
- WebviewController
- PreferencesController
- GrowlController
- DrawerController
- AppController

RSpactor

Dashboard View Log Inspect File

/Work/rubyphunk/rspactor_app

Enter the root path to your project, press enter

Run Preferences

Example Statistics

Total Count	156
Passed	156
Pending	0
Failed	0

Slowest Examples

- Converter should convert source to html for webkit view (5.312 sec.)
- SpecServer with process handling should not be ready after stopping (1.607 sec.)
- WindowController should restore the last run path on awake (0.112 sec.)
- SpecServer with process handling with termination should kill the task if the daemon isnt loaded yet (0.092 sec.)
- GrowlController should growl a processed example (0.088 sec.)

RSPACTOR





Rails Envy Podcast - Episode #072: 03/25/2009

by **Jason** on Mar 25, 2009

Episode 72. This week we're back with improved audio quality on both sides of the microphone, and all of the great Ruby and Rails news from this week.



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- [JRuby 1.2.0 Released](#)
- [HPricot 0.7](#)
- [New Relic Notify](#)
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