



# Ruby 程式語言

進階內容

[ihower@gmail.com](mailto:ihower@gmail.com)

# Agenda

- Ruby 的特點
  - OO
  - FP
  - Meta-Programming
  - Encoding
- Ruby 的語言實作
- 生態圈

# I. Ruby 的特點

Ruby supports multiple programming paradigms

# I. Object-Oriented

物件導向程式設計



Everything in Ruby is  
object, even class.

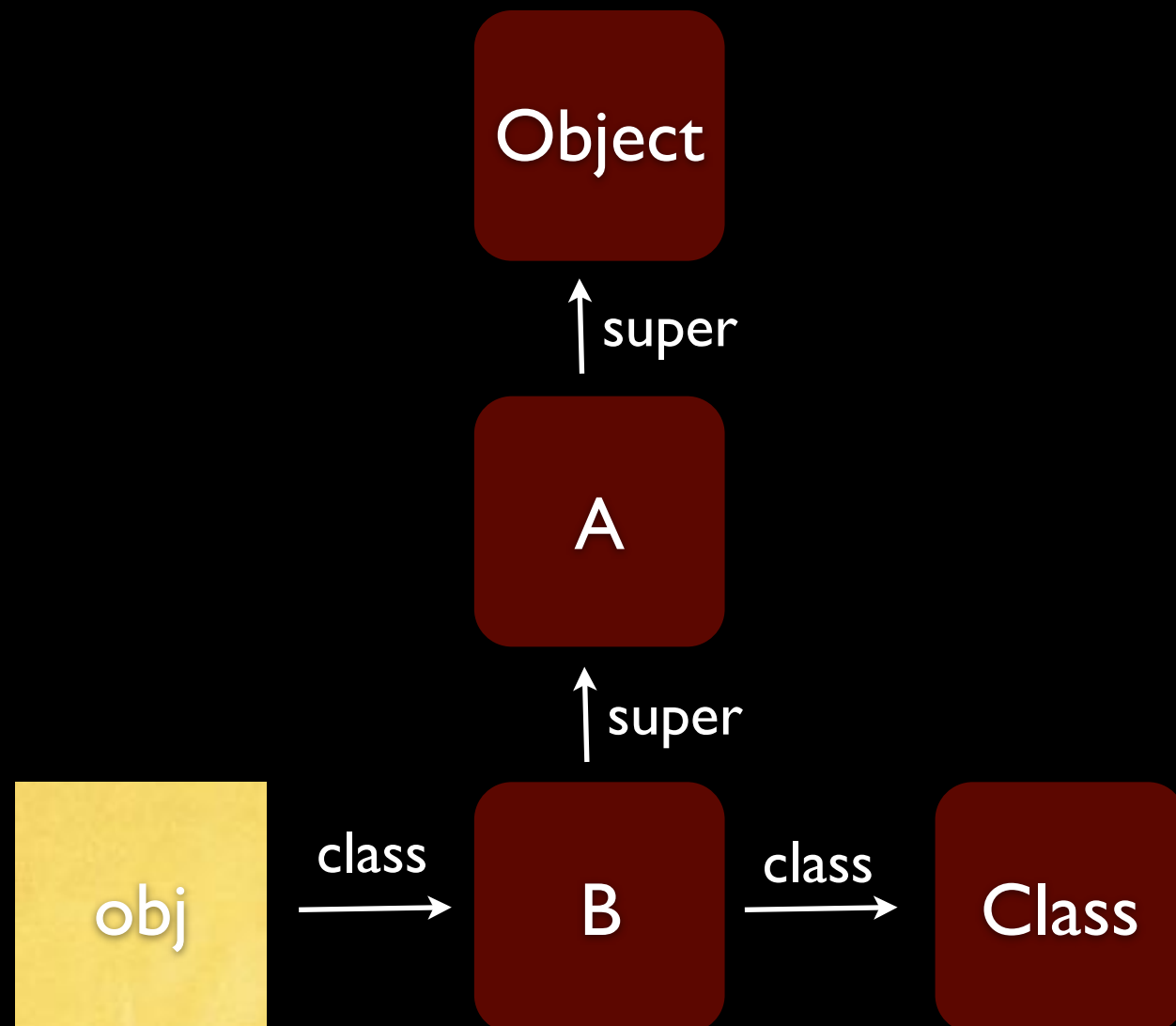
# Ruby Object Model

```
class A
end

class B < A
end

obj = B.new

obj.class # B
B.superclass # A
B.class # Class
```



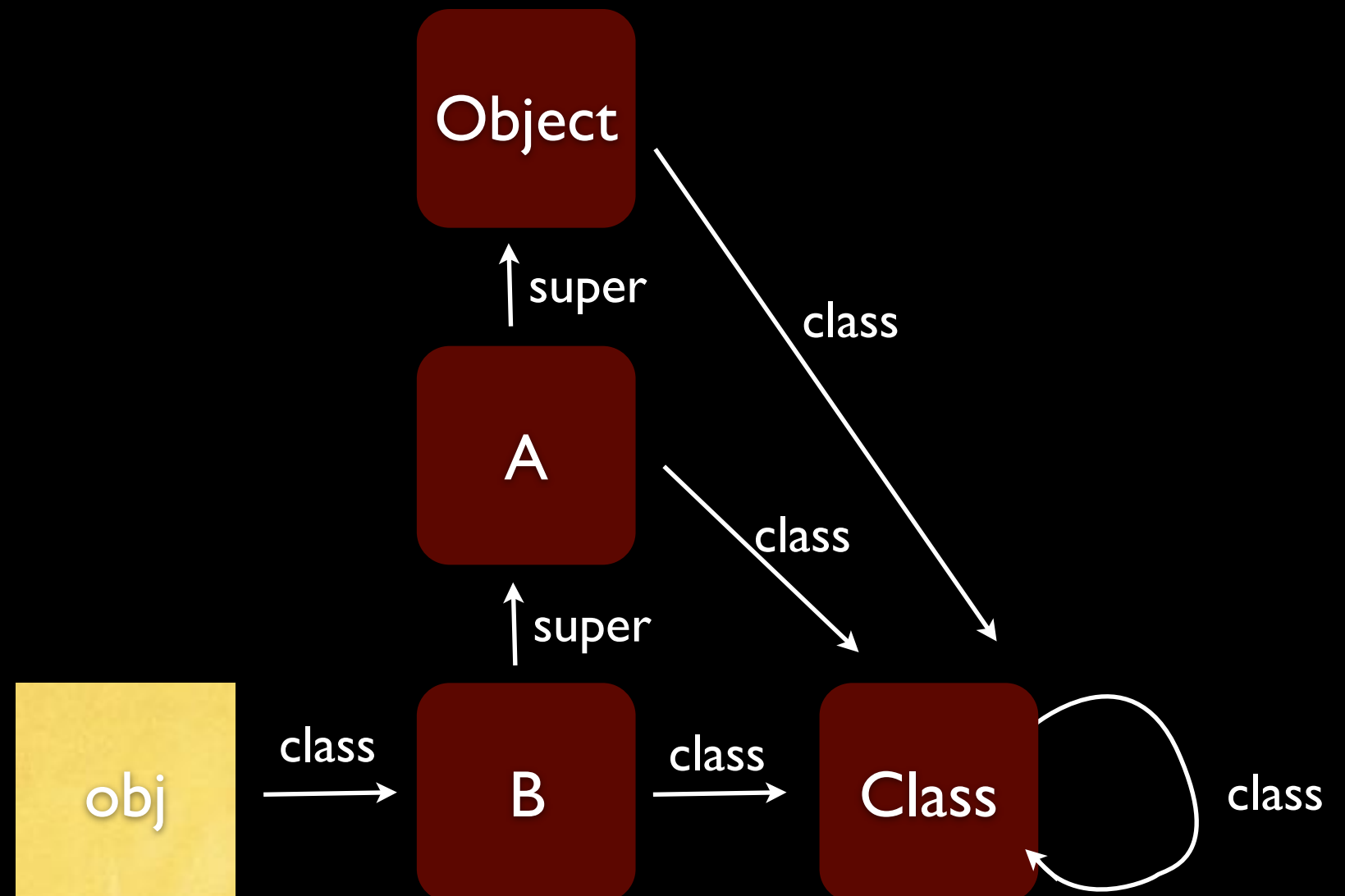
# class object is an object of the class Class

```
class A
end

class B < A
end

obj = B.new

obj.class # B
B.superclass # A
B.class # Class
```



# module

```
class A  
end
```

```
module B  
end
```

```
module C  
end
```

```
class D < A  
  include B  
  include C  
end
```

```
D.ancestors
```

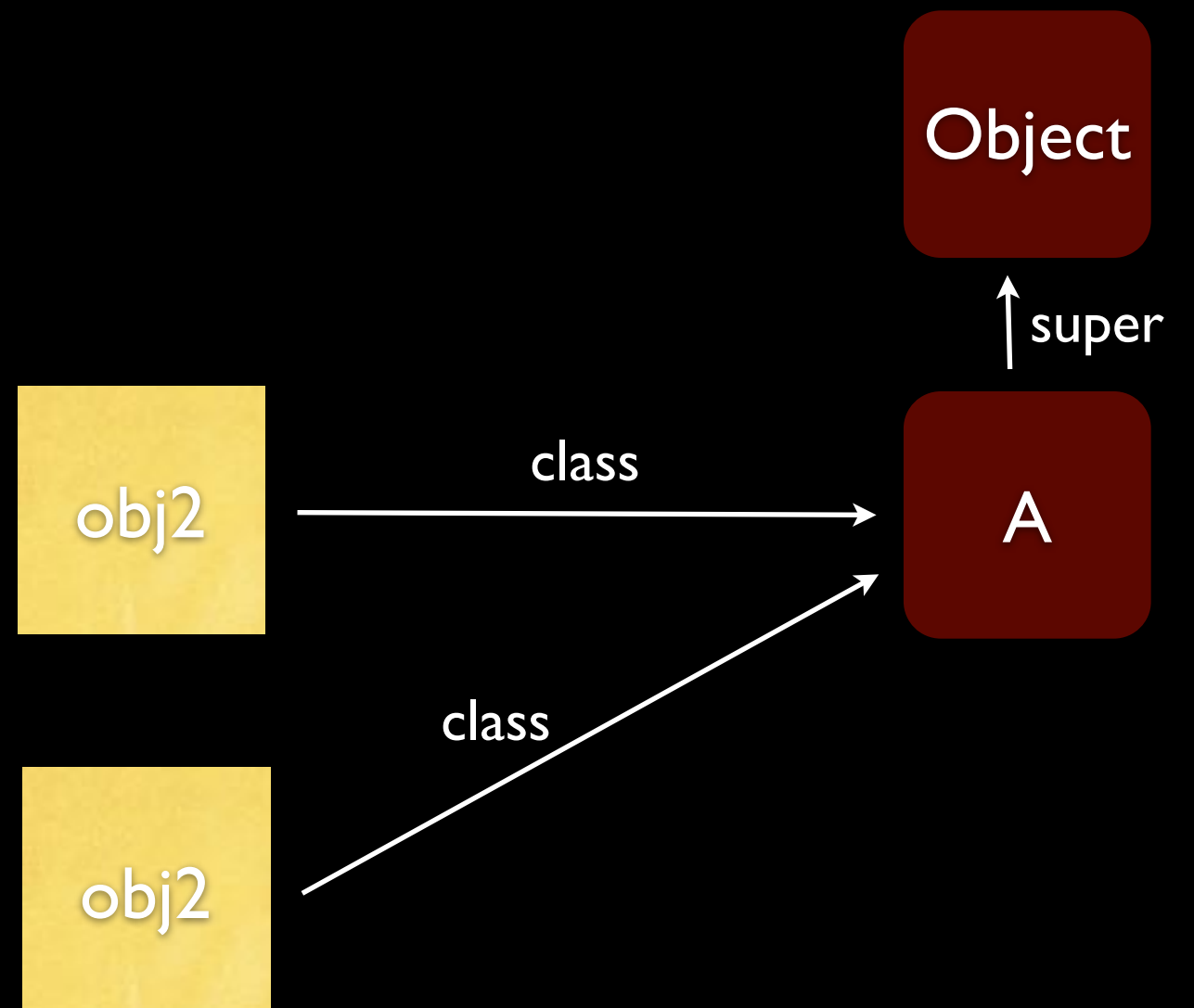
```
=> [D, C, B, A, Object, Kernel, BasicObject]
```



# what's metaclass?

```
class A  
  def foo  
  end  
end
```

```
obj1 = A.new  
obj2 = A.new
```



# metaclass

also known as singleton, eigenclass, ghost class, virtual class.

every object has his own metaclass

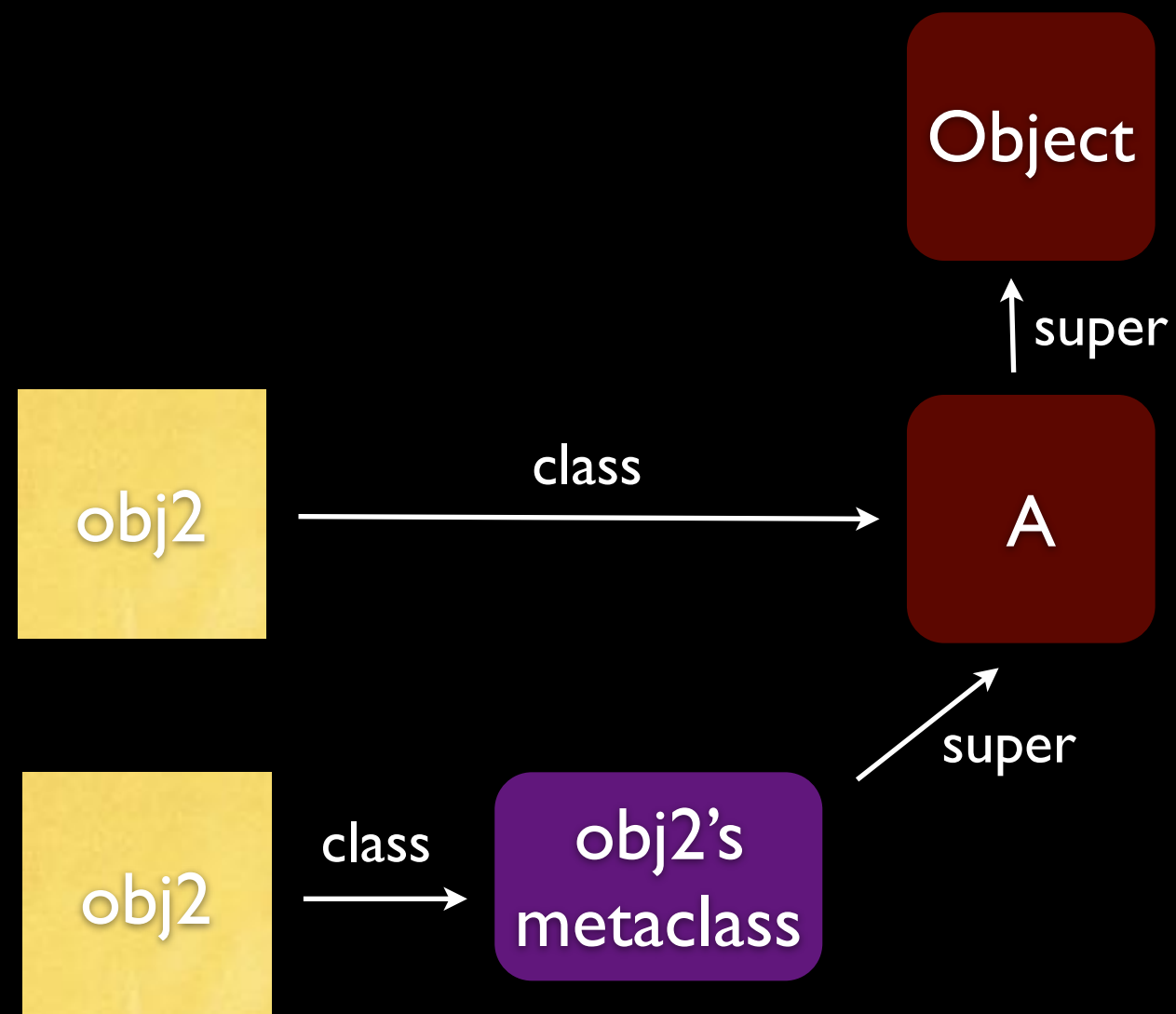
```
class A
  def foo
  end
end
```

```
obj1 = A.new
obj2 = A.new
```

```
def obj2.bar
  # only obj2 has bar method,
  # called singleton method
end
```

*# another way*

```
class << obj1
  def baz
    #only obj1 has baz method
  end
end
```



P.S. well, number and symbol have no metaclass

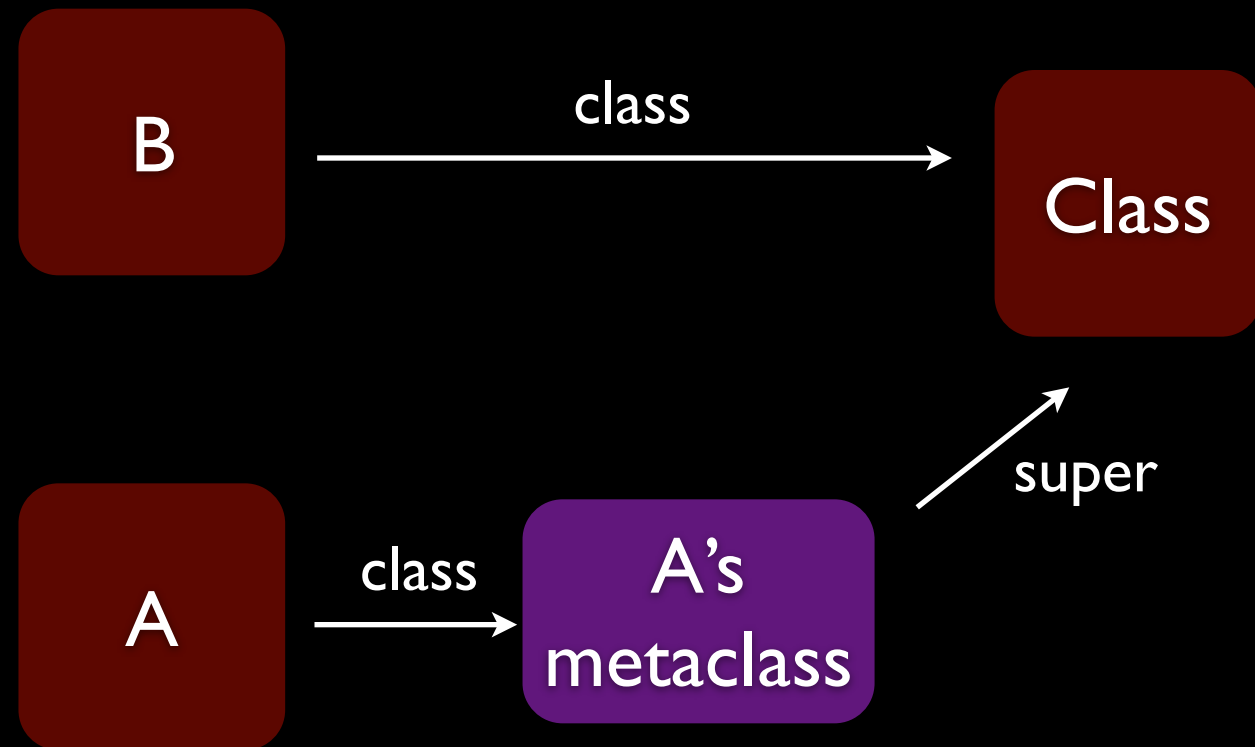
class object has its metaclass too.  
so the singleton method is class  
method!!

```
class A
  # way1
  def self.foo
  end

  # way2
  class << self
    def bar
    end
  end
end

# way3
def A.baz
end

A.foo
A.bar
A.baz
```



# 動態型別 (duck typing)

會呱呱叫的就是鴨子

# 鴨子

```
class Duck
  def quack
    puts "quack!"
  end
end
```

# 野鴨 (不用繼承)

```
class Mallard
  def quack
    puts "qwuaacck!! quak!"
  end
end
```



# Class 不是 Type

一個物件可以做什麼才是重點

```
birds = [Duck.new, Mallard.new, Object.new]
```

```
# 迭代陣列，並呼叫方法（無須擔心型別）
```

```
birds.each do |duck|
```

```
  duck.quack if duck.respond_to? :quack
```

```
end
```

# Duck Typing

(from wikipedia)

- duck typing is a style of dynamic typing in which **an object's methods and properties determine the valid semantics**, rather than its inheritance from a particular class or implementation of a specific interface

# prototype-based programming

Like JavaScript, Ruby can do, too

```
Animal = Object.new
```

```
def Animal.run  
end
```

```
def Animal.sit  
end
```

```
Cat = Animal.clone  
Cat.run
```

```
Dog = Animal.clone  
Dog.run
```

class-oriented programming  
v.s.  
object-oriented programming

<http://stackoverflow.com/questions/546670/what-is-the-difference-between-class-oriented-and-object-oriented-programming>

“With Ruby, you can think in terms of classes or in terms of objects. With Javascript, you can think in terms of prototypes or in terms of objects. With Java and C++, classes are your only option.”

by Giles Bowkett

# 2. Functional Programming

函數式程式設計

<http://www.slideshare.net/ihower/fp-osdc2012v2>

<https://github.com/JuanitoFatas/Ruby-Functional-Programming>

# (I) Higher-Order Functions

```
tickets = { "a" => 1100, "b" => 900, "c" => 800 }
```

```
highest_price = 0
```

```
tickets.each do |ticket, price|  
  if price < 1000  
    highest_price = price if price > highest_price  
  end  
end
```

```
highest_price # 900
```

# Higher-Order Functions (cont.)

```
tickets = { "a" => 1100, "b" => 900, "c" => 800 }
```

```
tickets.map{ |x| x[1] }.select{ |x| x < 1000 }.max # 900
```



# pre- and Post-processing usage example

```
f = File.open("myfile.txt", 'w')  
f.write("Lorem ipsum dolor sit amet")  
f.write("Lorem ipsum dolor sit amet")  
f.close
```



```
# using block  
File.open("myfile.txt", 'w') do |f|  
  f.write("Lorem ipsum dolor sit amet")  
  f.write("Lorem ipsum dolor sit amet")  
end
```

# Dynamic Callbacks

## Sinatra usage example

```
get '/posts' do
  #.. show something ..
end
```

```
post '/posts' do
  #.. create something ..
end
```

```
put '/posts/:id' do
  #.. update something ..
end
```

```
delete '/posts/:id' do
  #.. annihilate something ..
end
```

# Dynamic Callbacks

```
server = Server.new
```

```
server.handle(/hello/) do  
  puts "Hello at #{Time.now}"  
end
```

```
server.handle(/goodbye/) do  
  puts "goodbye at #{Time.now}"  
end
```

```
server.execute("/hello")  
# Hello at Wed Apr 21 17:33:31 +0800 2010  
server.execute("/goodbye")  
# goodbye at Wed Apr 21 17:33:42 +0800 2010
```

```
class Server

  def initialize
    @handlers = {}
  end

  def handle(pattern, &block)
    @handlers[pattern] = block
  end

  def execute(url)
    @handlers.each do |pattern, block|
      if match = url.match(pattern)
        block.call
        break
      end
    end
  end
end
```

## (2) Everything is an expression

```
if found_dog == our_dog
  name = found_dog.name
  message = "We found our dog #{name}!"
else
  message = "No luck"
end
```

# Everything is an expression (cont.)

```
message = if found_dog == my_dog  
  name = found_dog.name  
  "We found our dog #{name}!"  
else  
  "No luck"  
end
```

# (3) Lazy enumerators

```
require 'prime'
```

```
Prime.to_a # 這樣是無窮數列...
```

```
Prime.take(10).to_a
```

```
# [2, 3, 5, 7, 11, 13, 17, 19, 23, 29]
```

```
Prime.lazy.select{ |x| x % 4 == 3 }.take(10).to_a
```

```
# => [3, 7, 11, 19, 23, 31, 43, 47, 59, 67]
```

# 3. Metaprogramming

## 用程式寫程式

<http://ihower.tw/blog/archives/4279>



# Two types of meta-programming

- Code Generation
  - eg. Rails scaffold
- Reflection
  - eg. Class Macro

# Class Bodies Aren't Special

```
class Demo
  a = 1
  puts a

  def self.say
    puts "blah"
  end

  say # you can execute class method in class body
end

# 1
# blah
```

# Introspection (反射機制)

# 這個物件有什麼方法

```
Object.methods
```

```
=> ["send", "name", "class_eval", "object_id", "new",  
    "singleton_methods", ...]
```

# 這個物件有這個方法嗎？

```
Object.respond_to? :name
```

```
=> true
```

# define\_method

## 動態定義方法

```
class Dragon
  define_method(:foo) { puts "bar" }

  ['a', 'b', 'c', 'd', 'e', 'f'].each do |x|
    define_method(x) { puts x }
  end
end
```

```
dragon = Dragon.new
dragon.foo # 輸出 "bar"
dragon.a # 輸出 "a"
dragon.f # 輸出 "f"
```

# Rails example

```
class Firm < ActiveRecord::Base
  has_many :clients
  has_one :account
  belongs_to :conglomerate
end
```

```
# has_many 是 ActiveRecord 的 class method
# 其內容是動態定義出 Firm 的一堆 instance methods
```

```
firm = Firm.find(1)
firm.clients
firm.clients.size
firm.clients.build
firm.clients.destroy_all
```

# Memorize example

(Class Macro)

```
class Account
```

```
  def calculate
```

```
    @calculate ||= begin
```

```
      sleep 10 # expensive calculation
```

```
      5
```

```
    end
```

```
  end
```

```
end
```

```
a = Account.new
```

```
a.calculate # need waiting 10s to get 5
```

```
a.calculate # 5
```

```
a.calculate # 5
```

```
a.calculate # 5
```

# memoize method

```
class Account

  def calculate
    sleep 2 # expensive calculation
    5
  end

  memoize :calculate

end

a = Account.new
a.calculate # need waiting 10s to get 5
a.calculate # 5
```

```
class Class
  def memoize(name)
    original_method = "_original_#{name}"
    alias_method : "#{original_method}", name

    define_method name do
      cache = instance_variable_get("@#{name}")
      if cache
        return cache
      else
        result = send(original_method) # Dynamic Dispatches
        instance_variable_set("@#{name}", result)
        return result
      end
    end
  end
end

end
end
```



# It's general for any class

```
class Car

  def run
    sleep 100 # expensive calculation
    "done"
  end

  memoize :run

end

c = Car.new
c.run # need waiting 100s to get done
c.run # done
```

# Method Missing

```
car = Car.new
```

```
car.go_to_taipei  
# go to taipei
```

```
car.go_to_shanghai  
# go to shanghai
```

```
car.go_to_japan  
# go to japan
```

```
class Car
  def go(place)
    puts "go to #{place}"
  end

  def method_missing(name, *args)
    if name.to_s =~ /^go_to_(.*)/
      go($1)
    else
      super
    end
  end
end

car = Car.new

car.go_to_taipei
# go to taipei

car.blah # NoMethodError: undefined method `blah`
```

# XML builder example

```
builder = Builder::XmlMarkup.new(:target=>STDOUT, :indent=>2)
builder.person do |b|
  b.name("Jim")
  b.phone("555-1234")
  b.address("Taipei, Taiwan")
end
```

```
# <person>
#   <name>Jim</name>
#   <phone>555-1234</phone>
#   <address>Taipei, Taiwan</address>
# </person>
```

# DSL

(Domain-Specific Language)

- Internal DSL
  - 沿用程式語言本身的 Syntax
  - Ruby 有非常好的能力可以作為 Internal DSL 之用
- External DSL
  - 自行發明 Syntax，再用程式語言去解析

# 4. Encodings

<http://ihower.tw/blog/archives/2722>

# UCS v.s. CSI

- UCS (Universal Character Set)
  - 語言內部統一轉換成使用 UTF-16 或 UTF-8，Java/Python/Perl 等大部分語言都這樣做
- CSI (Character Set Independent)
  - Ruby 內建支援 99 種 Encodings，並不

pick one encoding, likely Unicode, and works all data in one format? No.

Ruby 1.9 make it possible to work  
with data with 99 encoding.



1.9.3-p392 :024 > Encoding.name\_list

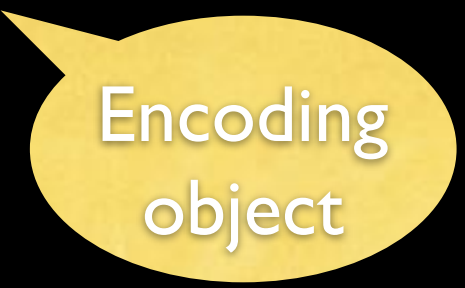
```
=> ["ASCII-8BIT", "UTF-8", "US-ASCII", "Big5", "Big5-HKSCS", "Big5-UA0", "CP949",  
"Emacs-Mule", "EUC-JP", "EUC-KR", "EUC-TW", "GB18030", "GBK", "ISO-8859-1",  
"ISO-8859-2", "ISO-8859-3", "ISO-8859-4", "ISO-8859-5", "ISO-8859-6", "ISO-8859-7",  
"ISO-8859-8", "ISO-8859-9", "ISO-8859-10", "ISO-8859-11", "ISO-8859-13",  
"ISO-8859-14", "ISO-8859-15", "ISO-8859-16", "KOI8-R", "KOI8-U", "Shift_JIS",  
"UTF-16BE", "UTF-16LE", "UTF-32BE", "UTF-32LE", "Windows-1251", "BINARY", "IBM437",  
"CP437", "IBM737", "CP737", "IBM775", "CP775", "CP850", "IBM850", "IBM852", "CP852",  
"IBM855", "CP855", "IBM857", "CP857", "IBM860", "CP860", "IBM861", "CP861", "IBM862",  
"CP862", "IBM863", "CP863", "IBM864", "CP864", "IBM865", "CP865", "IBM866", "CP866",  
"IBM869", "CP869", "Windows-1258", "CP1258", "GB1988", "macCentEuro", "macCroatian",  
"macCyrillic", "macGreek", "macIceland", "macRoman", "macRomania", "macThai",  
"macTurkish", "macUkraine", "CP950", "Big5-HKSCS:2008", "CP951", "stateless-ISO-2022-  
JP", "eucJP", "eucJP-ms", "euc-jp-ms", "CP51932", "eucKR", "eucTW", "GB2312", "EUC-  
CN", "eucCN", "GB12345", "CP936", "ISO-2022-JP", "ISO2022-JP", "ISO-2022-JP-2",  
"ISO2022-JP2", "CP50220", "CP50221", "ISO8859-1", "Windows-1252", "CP1252",  
"ISO8859-2", "Windows-1250", "CP1250", "ISO8859-3", "ISO8859-4", "ISO8859-5",  
"ISO8859-6", "Windows-1256", "CP1256", "ISO8859-7", "Windows-1253", "CP1253",  
"ISO8859-8", "Windows-1255", "CP1255", "ISO8859-9", "Windows-1254", "CP1254",  
"ISO8859-10", "ISO8859-11", "TIS-620", "Windows-874", "CP874", "ISO8859-13",  
"Windows-1257", "CP1257", "ISO8859-14", "ISO8859-15", "ISO8859-16", "CP878",  
"Windows-31J", "CP932", "csWindows31J", "SJIS", "PCK", "MacJapanese", "MacJapan",  
"ASCII", "ANSI_X3.4-1968", "646", "UTF-7", "CP65000", "CP65001", "UTF8-MAC", "UTF-8-  
MAC", "UTF-8-HFS", "UTF-16", "UTF-32", "UCS-2BE", "UCS-4BE", "UCS-4LE", "CP1251",  
"UTF8-DoCoMo", "SJIS-DoCoMo", "UTF8-KDDI", "SJIS-KDDI", "ISO-2022-JP-KDDI",  
"stateless-ISO-2022-JP-KDDI", "UTF8-SoftBank", "SJIS-SoftBank", "locale", "external",  
"filesystem", "internal"]
```

# All String are Encoded

- In Ruby 1.9 a String is a collection of encoded characters.

除了 raw bytes，還包括 Encoding 資訊。

```
>> "中文".encoding.name  
=> "UTF-8"
```



Encoding  
object

In Ruby 1.9, String has attached  
Encoding object, and works in  
characters.

# Transcoding

改變編碼

```
utf8 = "測試"  
utf8.bytesize # 6  
utf8.bytes.to_a # [230, 184, 172, 232, 169, 166]  
  
big5 = utf8.encode("big5")  
  
big5.encoding.name # "Big5"  
big5.bytesize # 4  
big5.bytes.to_a # [180, 250, 184, 213]
```

# Transcoding fails

轉碼失敗

```
str = "Résumé"  
str.encode("big5")
```

```
=> Encoding::UndefinedConversionError: "\xC3\xA9"  
from UTF-8 to Big5  
from (irb):2:in `encode'  
from (irb):2  
from /usr/local/bin/irb19:12:in `<main>'
```

# Force Transcoding

改變編碼，但不改 byte data

```
utf8 = "測試"
```

```
big5 = utf8.encode("big5")
```

```
big5.valid_encoding?
```

```
=> true
```

```
big5.force_encoding("utf-8")
```

```
big5.valid_encoding?
```

```
=> false
```

# Force Transcoding fails

編碼不對無法進一步操作

```
big5.valid_encoding? # false  
big5 =~ /123456/
```

```
=> ArgumentError: invalid byte sequence in UTF-8  
from (irb):11  
from /usr/local/bin/irb19:12:in `<main>'
```

# Encoding.compatible?

例如:ASCII with a bigger Encoding

```
ascii = "my ".force_encoding("ascii")  
utf8 = "Résumé"
```

```
# 檢查相容性
```

```
Encoding.compatible?(ascii, utf8)
```

```
#<Encoding:UTF-8>
```

```
# 相加
```

```
my_resume = ascii + utf8
```

```
puts my_resume # "My Résumé"
```

```
puts my_resume.encoding.name # UTF-8
```



# Encoding.compatible?

不相容不能加在一起

```
big5 = "測試".encode("big5")  
utf8 = "Résumé"
```

```
# 檢查相容性
```

```
Encoding.compatible?(big5, utf8) # nil
```

```
# 相加
```

```
big5 + utf8
```

```
=> Encoding::CompatibilityError: incompatible character  
encodings: Big5 and UTF-8  
from (irb):25  
from /usr/local/bin/irb19:12:in `<main>'
```

## 2. Ruby 的實作

# 程式語言和程式語言的實作， 是兩回事

(雖然很多語言只有一種實作)

程式語言本身沒有效能快慢，程式語言的實作才有

# CRuby / MRI (Matz's Ruby Interpreter)

- 1.8.7 is dead
- 1.9.3
- 2.0 is released at 2/24/2013 (二十週年)



# JRuby



The screenshot shows the JRuby.org website in a web browser. The browser's address bar shows 'jruby.org' and the page title is 'Home — JRuby.org'. The navigation bar includes links for Home, Try JRuby!, News, Downloads, Getting Started, Community, Documentation, Security, and Contribute. A 'build passing' status indicator is visible. The main content area features the JRuby logo (a red cardinal bird) and the text 'The Ruby Programming Language on the JVM'. Below this, there is a download section for version 1.7.3, with links for tar, zip, exe, exe(x64), exe+jre, and exe+jre(x64). The website is divided into four main sections: WHY JRUBY?, GET STARTED, LEARN, and GET INVOLVED. The 'WHY JRUBY?' section is highlighted and contains three sub-sections: 'The Best of the JVM' (with a coffee cup icon), 'It's Just Ruby' (with a red gem icon), and 'Platform Independent' (with three computer monitor icons). Each sub-section lists key features.

Home — JRuby.org

Home Try JRuby! News Downloads Getting Started Community Documentation Security Contribute build passing

## The **Ruby** Programming Language on the JVM

 Download the latest release - **1.7.3**  
[tar](#) | [zip](#) | [exe](#) | [exe\(x64\)](#) | [exe+jre](#) | [exe+jre\(x64\)](#)

### WHY JRUBY?

#### The Best of the JVM




- High performance
- Real threading
- Vast array of libraries

#### It's Just Ruby



- Ruby 1.8.7 & 1.9.3 compatible
- Both versions in single install

#### Platform Independent



- Easy to install
- Easy migration
- No hassles

# Rubinius


Rubinius : Use Ruby™

rubini.us

Reader

[Blog](#) | [Documentation](#) | [Projects](#) | [Roadmap](#) | [Releases](#)

**1.2.4**



# Rubinius

Use Ruby™

*An environment for the Ruby programming language providing performance, accessibility, and improved programmer productivity*

## Download

The current version Rubinius is **1.2.4**

**1.2.4 archive**

Or

Use binary installers for

**OS X 10.6**

Or

## Build

To run from the source directory

```
> ./configure  
> rake
```

Or

To install

```
> ./configure --prefix=/a/b/c  
> rake install
```

## Feedback

### Issue Tracker


We apologize in advance for any bugs. Please take the time to open an issue about your problem. Include your CPU / operating system, the command you tried to run, and all the output to your terminal.

# Concurrency models

- process-based
  - CRuby has GVL (global VM lock)
- thread-based
- reactor pattern
  - eventmachine (Ruby library)
  - node.js (JavaScript)



# IronRuby



## IronRuby

the **Ruby** programming language  
for the **.NET** Framework

IronRuby is an **open-source** implementation of the Ruby programming language which is tightly integrated with the .NET Framework. IronRuby can use the .NET Framework and Ruby libraries, and other .NET languages can use Ruby code just as easily.

**Download IronRuby 1.1**

1.1.3 released on 2011-3-13  
[release notes](#) | [source](#)

### Try Ruby in the browser

Quickly run Ruby code in your browser, without installing IronRuby.

#### IronRuby tutorial

Import the contents of the `System::Collections` namespace into the interactive REPL window.

```
include System::Collections
```

Create instance of the `Dictionary` class and explore the instance using the interactive REPL window.

```
d = Dictionary<String, Fixnum>.new
```

- Basic IronRuby - Introduction to the IronRuby interactive REPL window
- Built-in modules and interactive exploration
- User-defined modules
- Basic IronRuby - Using the standard .NET Basic .NET library use
- Working with .NET classes
- Basic IronRuby - Loading .NET libraries
- Using System.dll, test assembly

```
# namespaces are modules
include System::Collections::Generic

# indexers constrains type
d = Dictionary<String, Fixnum>.new

# Ruby idioms just work
d['Hello'] = 1
d['Hi'] = 2

# this gives a TypeError
d[3] = 3

# Enumerable methods work
d.each{|kvp| puts kvp}
```

Experience a more interactive  
.NET and Ruby development  
experience with **Ruby Tools for  
Visual Studio**.



# MacRuby

MacRuby


macruby.org

Reader

Fork On GitHub

DOWNLOAD THE 0.12 RELEASE

ZIP

 *MacRuby*

Ruby for the Objective-C Runtime

Project maintained by [The MacRuby Team](#)

Hosted on GitHub Pages — Theme by [mattgraham](#)

## What Is MacRuby?

MacRuby is an implementation of Ruby 1.9 directly on top of Mac OS X core technologies such as the Objective-C runtime and garbage collector, the LLVM compiler infrastructure and the Foundation and ICU frameworks. It is the goal of MacRuby to enable the creation of full-fledged Mac OS X applications which do not sacrifice performance in order to enjoy the benefits of using Ruby.

### Get It

You can install the **latest stable release** or, if you are feeling adventurous, you can install

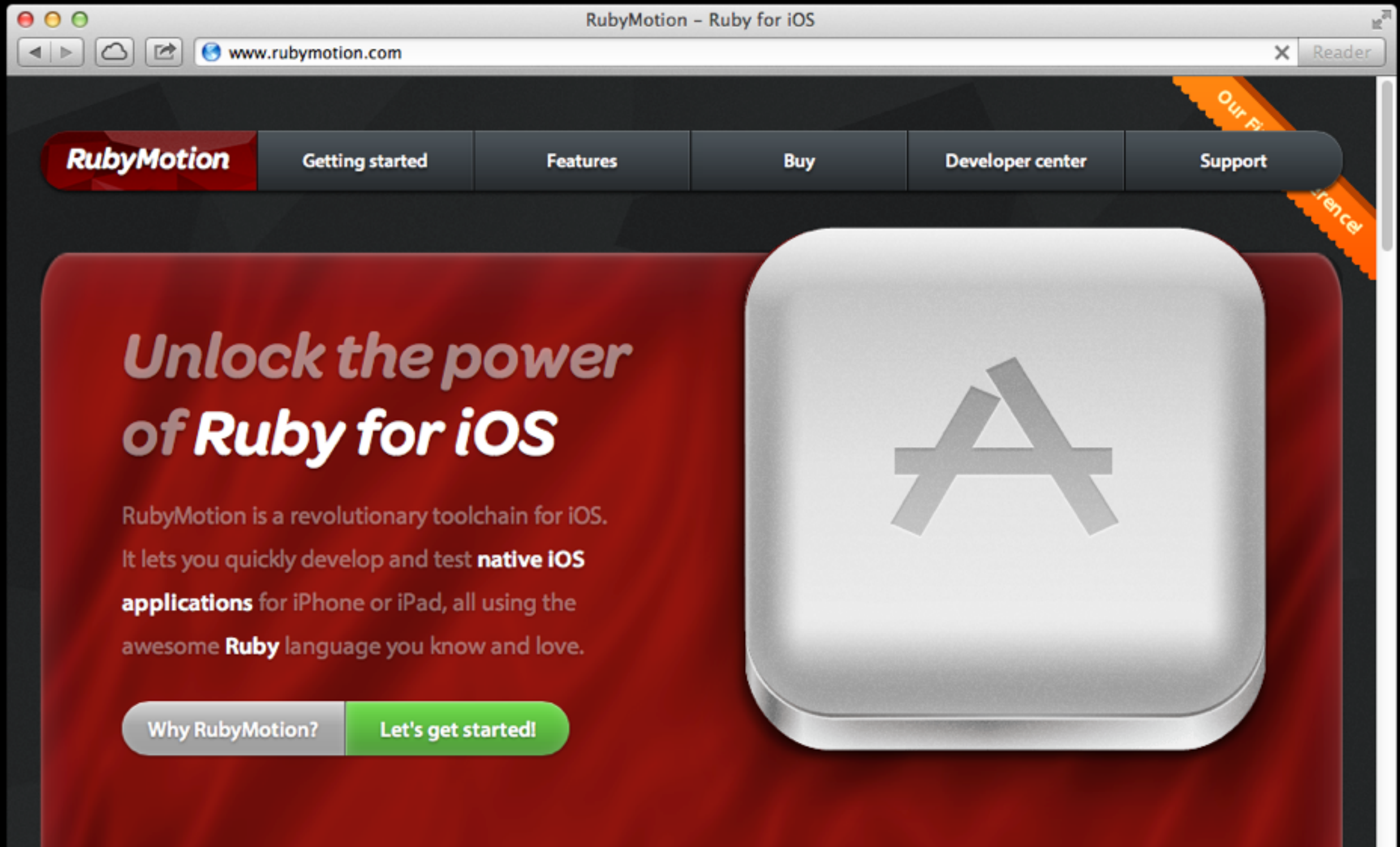
### Build It

If you'd rather build your own MacRuby, simply clone the MacRuby repository from

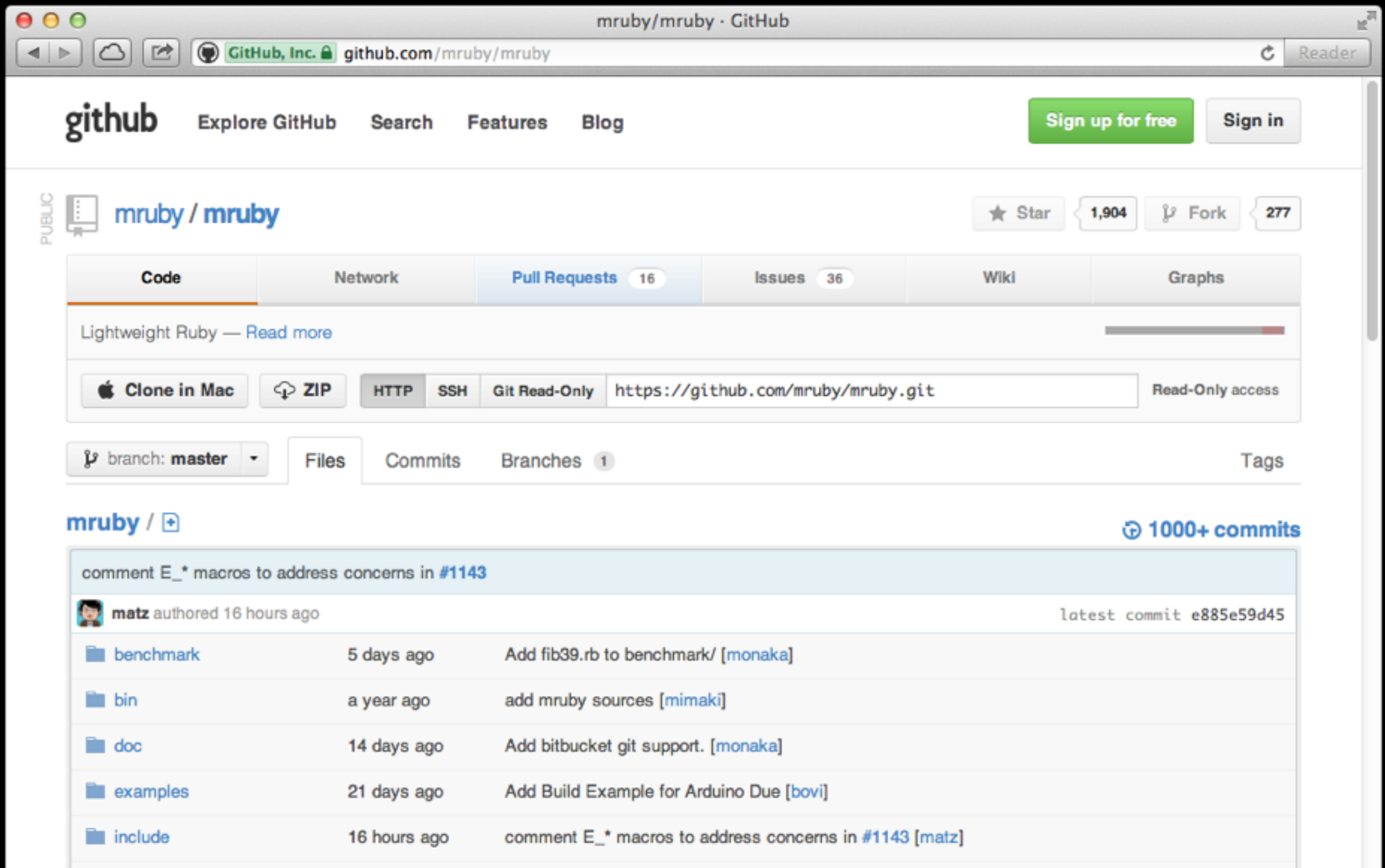
### Use It

After installing, MacRuby is available from the command-line as `macruby`. It also

# RubyMotion



# mruby



The screenshot shows the GitHub repository page for mruby. The browser window title is "mruby/mruby · GitHub". The address bar shows "github.com/mruby/mruby". The GitHub navigation bar includes the GitHub logo, links to "Explore GitHub", "Search", "Features", and "Blog", and buttons for "Sign up for free" and "Sign in". The repository name "mruby / mruby" is displayed with a "PUBLIC" label. It has 1,904 stars, 277 forks, and 36 issues. The "Pull Requests" tab is active, showing 16 pull requests. The repository description is "Lightweight Ruby — Read more". The "Clone in Mac" button is highlighted. The "SSH" tab is selected for cloning, with the URL "https://github.com/mruby/mruby.git". The "branch: master" dropdown is visible. The "Files" tab is selected, showing a list of files and their commit history. The latest commit is by "matz" 16 hours ago, with the commit hash "e885e59d45".

github Explore GitHub Search Features Blog Sign up for free Sign in

PUBLIC mruby / mruby 1,904 Star 277 Fork 36 Issues 16 Pull Requests Wiki Graphs

Lightweight Ruby — Read more

Clone in Mac ZIP HTTP SSH Git Read-Only https://github.com/mruby/mruby.git Read-Only access

branch: master Files Commits Branches 1 Tags

mruby / 1000+ commits

comment E\_\* macros to address concerns in #1143

matz authored 16 hours ago latest commit e885e59d45

benchmark	5 days ago	Add fib39.rb to benchmark/ [monaka]
bin	a year ago	add mruby sources [mimaki]
doc	14 days ago	Add bitbucket git support. [monaka]
examples	21 days ago	Add Build Example for Arduino Due [bovi]
include	16 hours ago	comment E_* macros to address concerns in #1143 [matz]

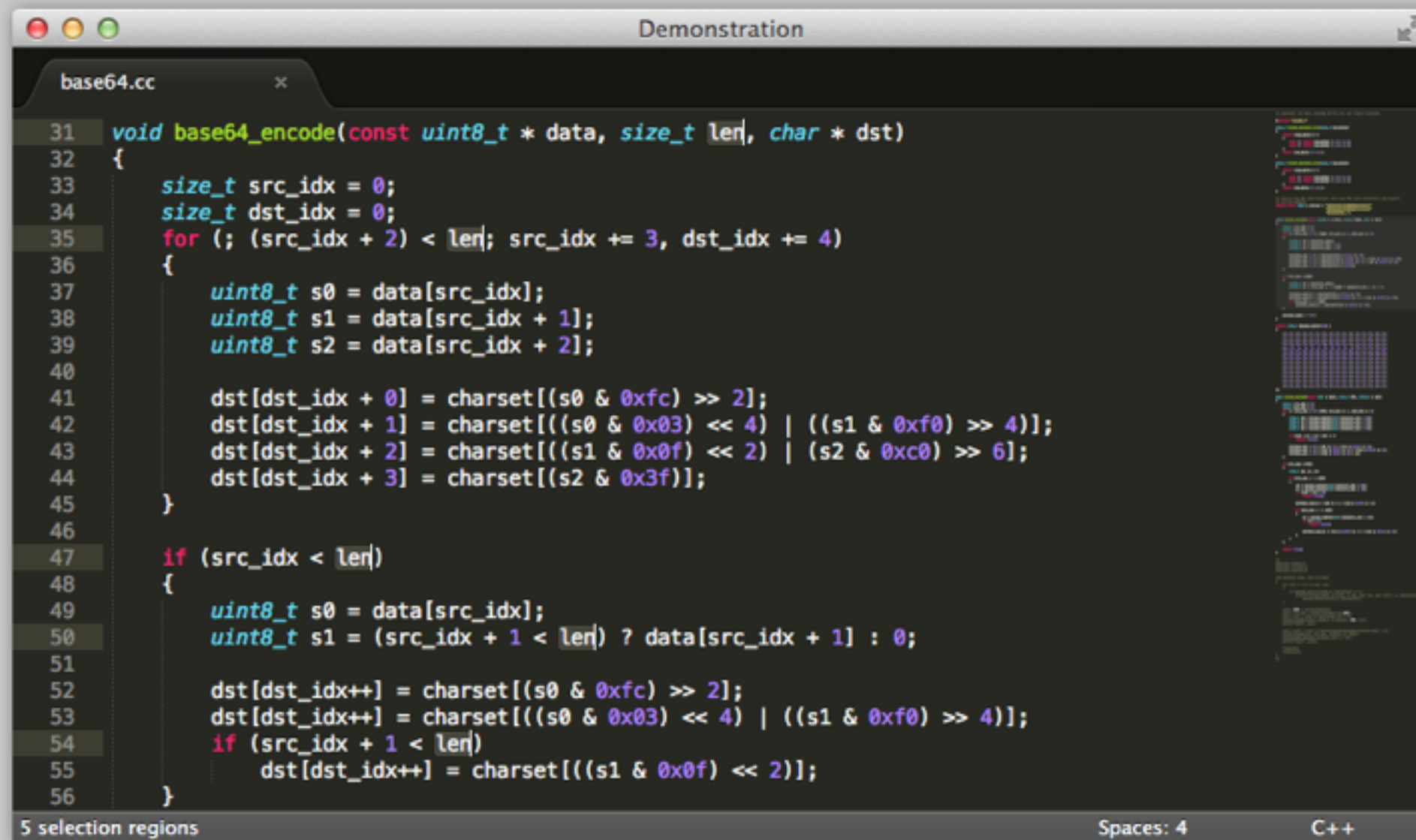
# 3. Ruby 生態圈

# I. Editors & IDEs



# Sublime Text

Sublime Text is a sophisticated text editor for code, markup and prose.  
You'll love the slick user interface, extraordinary features and amazing performance.



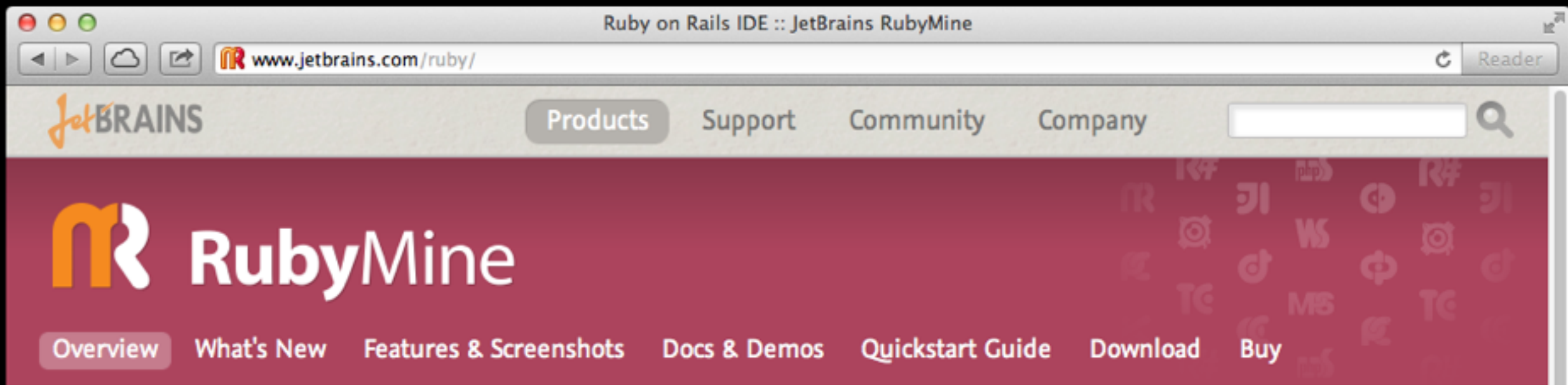
```
31 void base64_encode(const uint8_t * data, size_t len, char * dst)
32 {
33     size_t src_idx = 0;
34     size_t dst_idx = 0;
35     for (; (src_idx + 2) < len; src_idx += 3, dst_idx += 4)
36     {
37         uint8_t s0 = data[src_idx];
38         uint8_t s1 = data[src_idx + 1];
39         uint8_t s2 = data[src_idx + 2];
40
41         dst[dst_idx + 0] = charset[(s0 & 0xfc) >> 2];
42         dst[dst_idx + 1] = charset[((s0 & 0x03) << 4) | ((s1 & 0xf0) >> 4)];
43         dst[dst_idx + 2] = charset[((s1 & 0x0f) << 2) | (s2 & 0xc0) >> 6];
44         dst[dst_idx + 3] = charset[(s2 & 0x3f)];
45     }
46
47     if (src_idx < len)
48     {
49         uint8_t s0 = data[src_idx];
50         uint8_t s1 = (src_idx + 1 < len) ? data[src_idx + 1] : 0;
51
52         dst[dst_idx++] = charset[(s0 & 0xfc) >> 2];
53         dst[dst_idx++] = charset[((s0 & 0x03) << 4) | ((s1 & 0xf0) >> 4)];
54         if (src_idx + 1 < len)
55             dst[dst_idx++] = charset[((s1 & 0x0f) << 2)];
56     }
```

5 selection regions

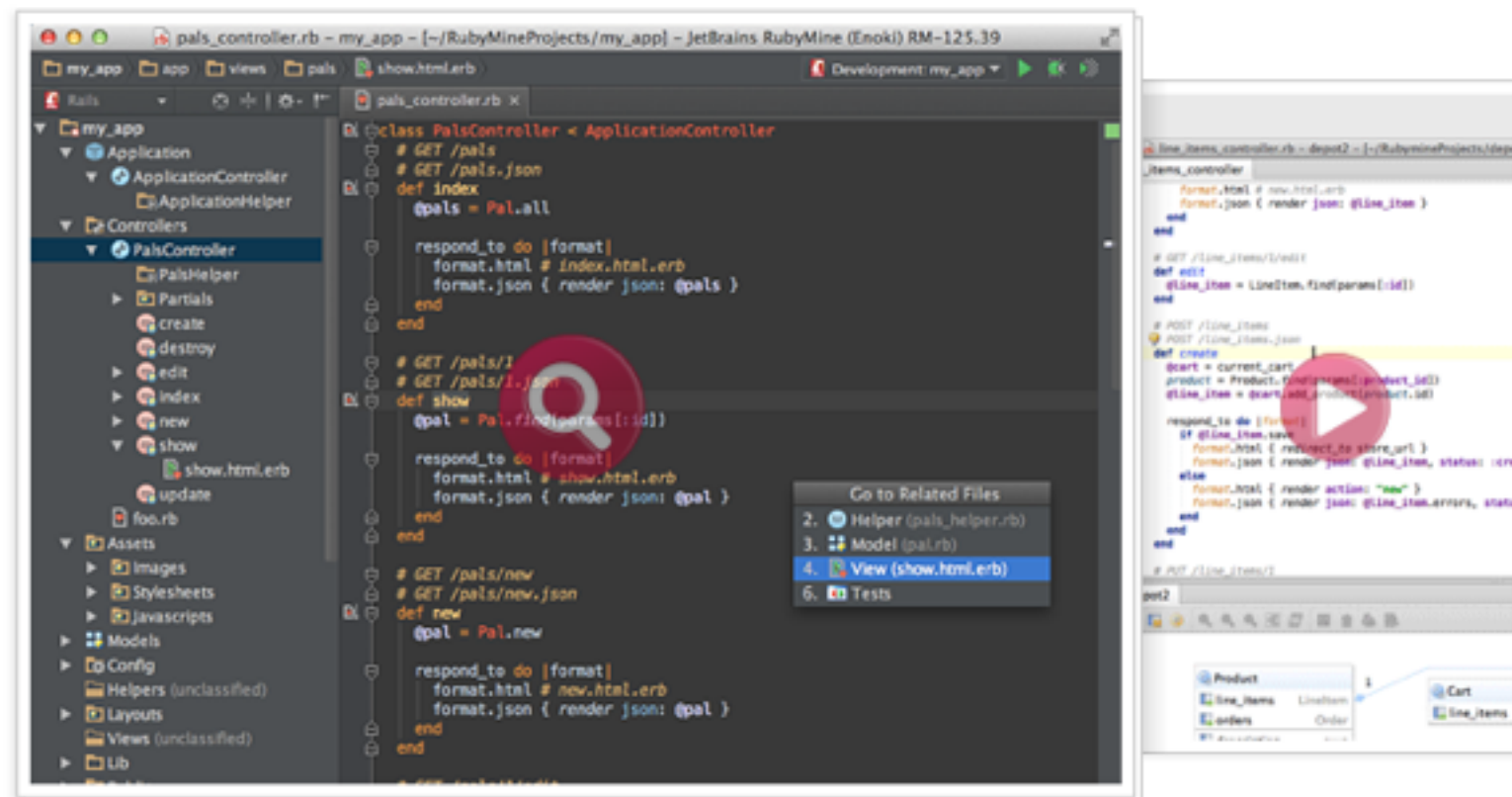
Spaces: 4

C++

Use Multiple Selections to rename variables quickly.  
Here  $\$D$  is used to select the next occurrence of the current word.



# The Most Intelligent Ruby and Rails IDE



RubyMine 5 is Out!

RUBYMOTION

COFFEESCRIPT DEBUGGER

RUBY 2.0, JRUBY

NEW DARK UI SCHEME

TEXTMATE BUNDLES

[AND MORE >](#)



**Get RubyMine 5**

Free 30-day trial for Mac OS X. [Other platforms.](#)

- **Intelligent Ruby Editor** with completion, code snippets and automatic refactorings

- **Web Development** with all Ruby on Rails framework versions from 2.x to 3.x

- **Ruby Debugger:** Ruby/Rails applications and tests debugging in a easy-to-use interface even in Windows



# Vim for Rails

VOTE  
for features



the editor

BUY the Vim book HELP Uganda LEA Vin

**rails.vim : Ruby on Rails: easy file navigation, enhanced syntax highlighting, and more**

**script karma** Rating 2686/1111, Downloaded by 24108

**created by**  
[Tim Pope](#)

**script type**  
utility

## **description**

TextMate may be the latest craze for developing Ruby on Rails applications, but Vim is forever. This plugin offers the following features for Ruby on Rails application development.

1. Automatically detects buffers containing files from Rails applications, and applies settings to those buffers (and only those buffers). You can use an autocommand to apply your own custom settings as well.
2. Unintrusive. Only files in a Rails application should be affected; regular Ruby scripts are left untouched. Even when enabled, the plugin should keep out of your way if you're not using its features.
3. Provides reasonable settings for working with Rails applications. Rake is the 'makeprg' (and it always knows where your Rakefile is), 'shiftwidth' is 2, and 'path' includes an appropriate collection of directories from your application.
4. Easy navigation of the Rails directory structure. `gf` considers context and knows about partials, fixtures, and much more. There are two commands, `:A` (alternate) and `:R` (related) for easy jumping between files, including favorites like model to migration, template to helper, controller to functional test. For more advanced usage, `:Rmodel`, `:Rview`, `:Rcontroller`, and several other commands are provided.
5. Enhanced syntax highlighting. From `has_and_belongs_to_many` to `distance_of_time_in_words`, it's here. For easy completion of the long method names, 'completefunc' is set to enable syntax based completion on CTRL-X CTRL-U.
6. Interface to script/\* . Generally use `:"Rscript about"` to call `"script/about"`. Many commands have wrappers with additional features:

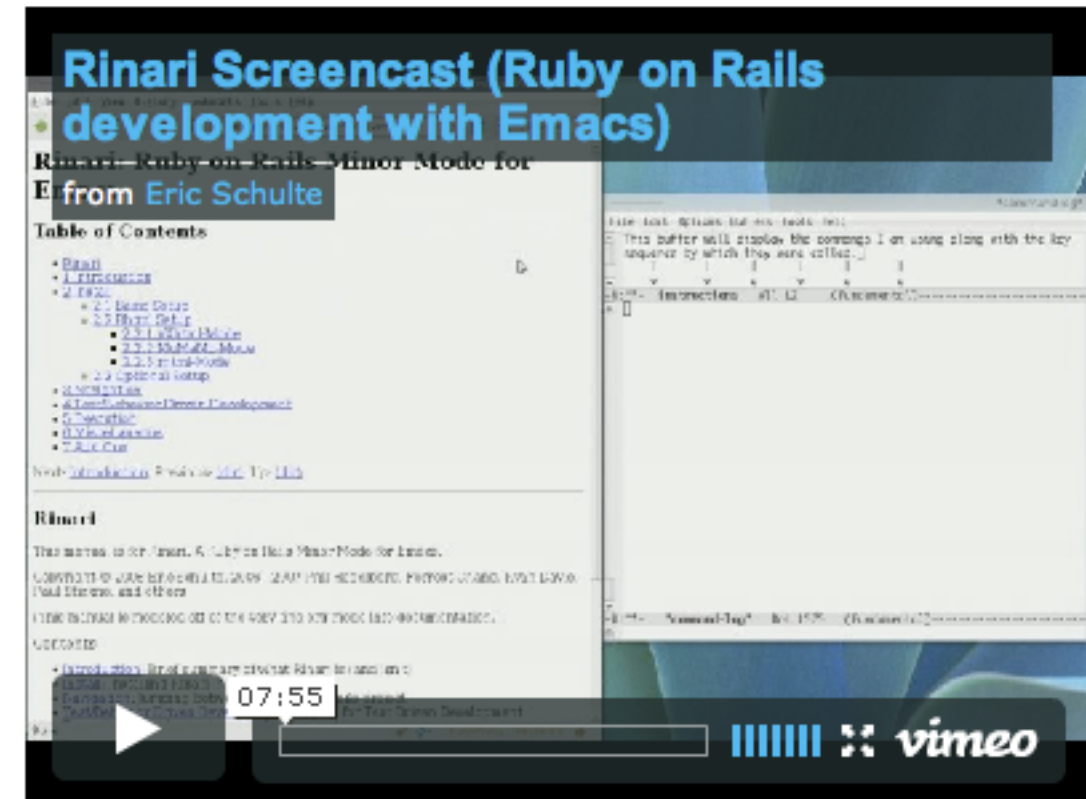


# Emacs for Rails

## Rinari: Ruby on Rails Minor Mode for Emacs

### Table of Contents

- [Rinari](#)
- [1 Introduction](#)
- [2 Install](#)
  - [2.1 Basic Setup](#)
  - [2.2 Rhtml Setup](#)
    - [2.2.1 nXhtml-Mode](#)
    - [2.2.2 MuMaMo-Mode](#)
    - [2.2.3 rhtml-Mode](#)
  - [2.3 Optional Setup](#)
- [3 Navigation](#)
- [4 Test/Behavior Driven Development](#)
- [5 Execution](#)
- [6 Miscellaneous](#)
- [7 Add Ons](#)



[Rinari Screencast \(Ruby on Rails development with Emacs\)](#) from

raw video: [rianri-demo.ogg](#)

Next: [Introduction](#), Previous: [\(dir\)](#), Up: [\(dir\)](#)

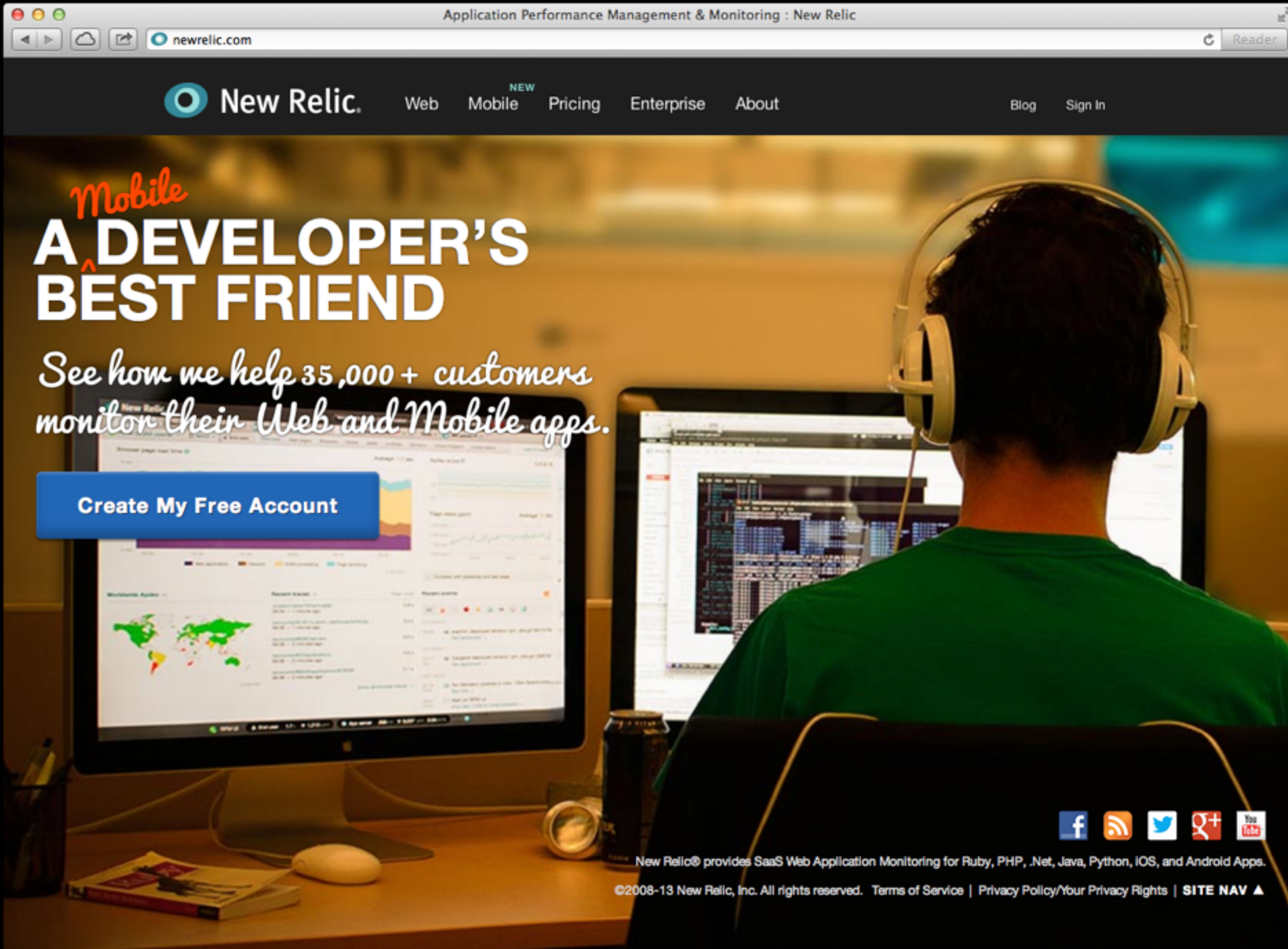
## Rinari

This manual is for Rinari. A Ruby on Rails Minor Mode for Emacs.

Copyright © 2008 Eric Schulte, 2006 - 2007 Phil Hagelberg, Forrest Chang, Ryan Davis, Paul Stickne, and others

(This manual is modeled off of the very fine org-mode info documentation.)

## 2. Web Services & Monitors



Web

NEW  
Mobile

Pricing

Enterprise

About

Blog

Sign In

# Mobile A DEVELOPER'S BEST FRIEND

See how we help 35,000+ customers  
monitor their Web and Mobile apps.

Create My Free Account



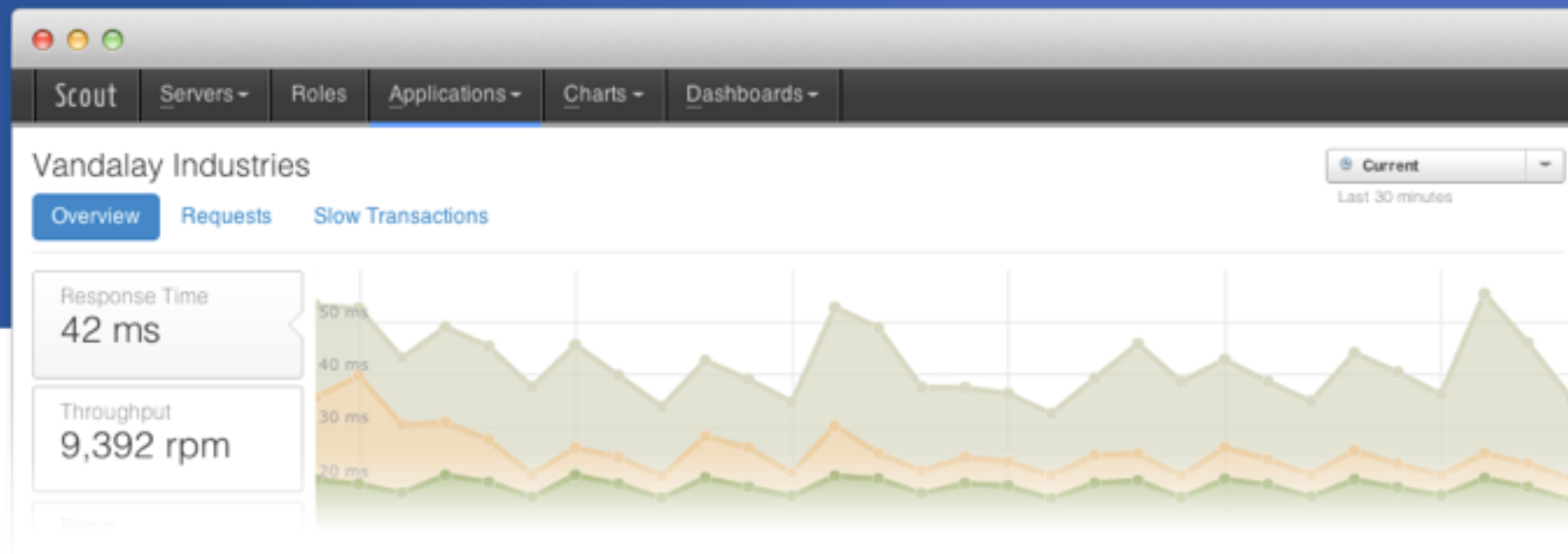
New Relic® provides SaaS Web Application Monitoring for Ruby, PHP, .Net, Java, Python, IOS, and Android Apps.

©2008-13 New Relic, Inc. All rights reserved. [Terms of Service](#) | [Privacy Policy/Your Privacy Rights](#) | [SITE NAV](#) ▲


[Features](#)
[Plugins](#)
[API](#)
[Help](#)
[Pricing & Signup](#)
[Login](#)

# Server Monitoring built for developers.

Neckbeard Optional.



“Like a good Linux tool, Scout's plugin system makes it endlessly flexible. With a bit of Ruby, I can quickly gather the metrics I need, view them on charts and dashboards, and get alerted when metrics head into bad territory.

*Mike Fielder, DevOps at 10gen*

..... Perhaps you visited a site today that depends on Scout for monitoring. ....



Sign in

# Airbrake

Airbrake collects errors generated by other applications, and aggregates the results for review.

See plans and pricing

Signed in as Kyle Fiedler from thoughtbot [Logout](#)

[Dashboard](#) [Projects](#) [Settings](#)

« First « Previous Next » Last »

PROJECT  
[app-i-will-delete](#)

APP ENVIRONMENT  
[Development](#)

DEPLOY  
[February 17, 2011 at 09:32:35 AM](#)

[git](#) [Show file on GitHub](#)

[Lighthouse](#)

[Search Lighthouse tickets](#)

[Create a new ticket](#)

## HTTSTException: This is a test exception

[Unresolved](#)

Summary Backtrace Environment Parameters Similar Errors (2)

Action #0x0000000100026ecb -[HTNotifier writeTestNotice] + 187

URL

File CoreFoundation:0

Received at May 26, 2011 at 04:51:59 PM

Similar Errors Occurred 2 times

Parameters {"action"=>"#0x0000000100026ecb -[HTNotifier writeTestNotice] + 187", "controller"=>"\*\*"}

[Settings](#)

Show resolved errors ☐

DEPLOY	COUNT
Jan 06, 2010	

## Dupe Detection

Developers will only receive an email once when an error occurs — rather than getting buried under an error email avalanche.

## Github Aware

Airbrake is github-aware, and can link code in your Airbrake error stack traces to

## Auto Resolve

An action on each application deployment — that way developers can focus on the problems that exist today, not the ones from last month.

## RSS

Airbrake offers an RSS feed of error activity, so errors can be monitored using

## Airbrake works with:

Fully supported:

Ruby on Rails, iOS

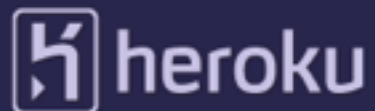
Experimental:

Java, Python

# 3.Hosting

3.a

PaaS (Platform as a Service)



# cloud application platform

deploy and scale powerful apps



Forget Servers



Run Anything



See Everything



Trust & Manage

## Run and scale any type of app.

Run any web or background process with any web framework or worker type. Get direct, granular control over your app's workloads. Scale distributed processes effortlessly with a single command. Easily scale to millions of users.

[Scaling Apps on Heroku](#)

```
$ cat Procfile
web:      bundle exec rails server -p $PORT
worker:   bundle exec rake resque:work QUEUE=*
urgentworker: bundle exec rake resque:work QUEUE=urgent
clock:    bundle exec clockwork clock.rb
```

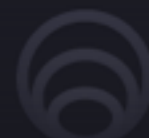
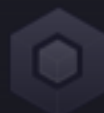
```
$ heroku scale web=4 worker=2 urgentworker=1 clock=1
Scaling processes... done
```

[How it Works](#)

It's free to get started and sign up is instant.

[Sign Up](#)

Have questions? Give our sales team a call. (877) 563-4311







Ruby On Rails and PHP Cloud Hosting PaaS | Managed Rails Development | Engine Yard Platform as a Service

https://www.engineyard.com

Reader



[Products](#) [Learn](#) [Developer Center](#) [Company](#)  [Search](#) [Sign up](#) [Log in](#)











**FOCUS ON YOUR APPS.  
WE HANDLE YOUR  
CLOUD PLATFORM & OPS.**

*Get Started Free*

[RUBY](#) [PHP](#) [NODE.JS](#)

Thousands of delighted customers use our PaaS to deploy and scale applications in the Cloud.

 **TOYOTA KENYA**   **bleacher report**   **SIMON & SCHUSTER**  **Marketron**  **BAYER**  **Badgeville**

**WHY PAAS?**

Learn how Platform as a Service supports the complete lifecycle of delivering applications and services via the cloud.

[More about PaaS](#)

**ENGINE YARD PLATFORM**

Engine Yard Cloud automates the configuration, deployment and management of applications on a customizable, secure and highly available platform.

[More about Engine Yard Cloud](#)

**HANDS-ON SUPPORT**


We deliver personable support that goes way beyond what you'd expect, and our VNOC allows us to proactively monitor customer environments 24x7.


[More about our awesome support](#)


**ADD-ON ECOSYSTEM**


Engine Yard Add-ons seamlessly enrich your applications with monitoring and development tools, application services and more.




[More about Engine Yard Add-ons](#)

 **10 PaaS Advantages**  
Get the Whitepaper

 **99% Satisfied**  
See what users are saying

 **New enhancements**  
give you more control & choice

 **FORRESTER** **Gain Competitive Advantage with PaaS**

[Cloud Products](#) [Resources](#) [Solutions](#) [About](#)

[Chat Live](#)

3.b

高C/P值的VPS (Virtual Private Server)

# Develop. Deploy. Scale.

Quickly and easily deploy your services and applications on our Xen powered virtual servers.

[Sign Up](#)

## VPS Hosting

We're a VPS hosting company built upon one simple premise: provide the best possible tools and services to those that know what they need — better hosting.

A Linode VPS means freedom. You get everything from the kernel and root access on up. All managed by our simple yet very powerful control panel. Discover [why Linode](#) may be right for you.

## Features

- Full ssh and root access
- Guaranteed Resources
- 4 processor Xen instances
- Out of band console shell
- Dedicated IP address, premium bw
- Four datacenters across the US
- HA and Clustering Support
- Bandwidth pooling
- Managed DNS with API

[More features...](#)

## Recent News

APRIL, 2009

- [Gentoo 2008.0 x86\\_64 and Slackware 12.2](#)
- [Backup Service enters Beta](#)

FEBRUARY, 2009

- [Debian 5.0 \(Lenny\)](#)
- [Randy's Remodeled Office](#)

JANUARY, 2009

- [James Sinclair joins Linode](#)

## Plans and Availability

No set up fees, pay month-to-month, 7 day money back guarantee

Call 0845 658 5545

[My account](#) or [Sign up](#)



[Home](#) [Pricing & Sign up](#) [Why Brightbox?](#) [Products & Services](#) [FAQs](#) [About](#) [Blog](#) [Wiki](#) [Forums](#) [Contact](#)

## Seriously scalable Rails hosting out of the box.

Brightbox provides [Xen](#)-based virtualised servers, optimised for hosting [Ruby on Rails](#). Each Brightbox server comes with SAN-based storage, access to our managed MySQL cluster and the Brightbox Rails stack preinstalled.

[Pricing & Sign Up](#) ➡



Designed for  
Ruby on Rails®

We're proud to have been part of the Rails Hosting [Ecosystem](#) since 2007.

Our platform and [products](#) provide the perfect environment to scale your Rails app from 10 users to 10 million!

“@brightbox you're by far the BEST Rails hosting service – maybe the best hosting I've ever seen, period. Thanks!”

Adrian Kosmaczewski via [Twitter](#)

✓ **Ruby on Rails ready to go – out of the box!**  
Each Brightbox comes preinstalled with our reliable and proven Ruby on Rails stack

✓ **Scalable**  
Scale your application to handle more traffic quickly and easily, without breaking the bank.

✓ **Quick & simple deployment**  
Use the Brightbox gem and get your app up and running in just a

 **New Relic**

NEW

RPM Bronze included with Brightbox 512 and above!



3.b

IaaS (Infrastructure as a service)

Cloud Hosing



[Infrastructure Services](#)

- **Amazon Elastic Compute Cloud (Amazon EC2)**
- Amazon SimpleDB
- Amazon Simple Storage Service (Amazon S3)
- Amazon CloudFront
- Amazon Simple Queue Service (Amazon SQS)
- Amazon Elastic MapReduce
- AWS Premium Support

[Payments & Billing](#)[On-Demand Workforce](#)[Alexa Web Services](#)[Amazon Fulfillment & Associates](#)

## Running Databases on EC2

Find tips and technical resources for running databases on Amazon EC2.

[read more](#)[Home](#) > [Products](#) > Amazon Elastic Compute Cloud (Amazon EC2)

# Amazon Elastic Compute Cloud (Amazon EC2)

Amazon Elastic Compute Cloud (Amazon EC2) is a web service that provides resizable compute capacity in the cloud. It is designed to make web-scale computing easier for developers.

Amazon EC2's simple web service interface allows you to obtain and configure capacity with minimal friction. It provides you with complete control of your computing resources and lets you run on Amazon's proven computing environment. Amazon EC2 reduces the time required to obtain and boot new server instances to minutes, allowing you to quickly scale capacity, both up and down, as your computing requirements change. Amazon EC2 changes the economics of computing by allowing you to pay only for capacity that you actually use. Amazon EC2 provides developers the tools to build failure resilient applications and isolate themselves from common failure scenarios.

[Sign Up For Amazon EC2](#) ▶

This page contains the following categories of information. Click to jump down:

[Amazon EC2 Functionality](#)[Service Highlights](#)[Instance Types](#)[Operating Systems and Software](#)[Pricing](#)[Resources](#)[Detailed Description](#)[Intended Usage and Restrictions](#)

## Related Services

ng Pan

[Amazon S3](#)

Meet your Amazon EC2 storage needs.

## Amazon EC2 Functionality



Start a Chat Send an Email Sales: 1-800-961-2888

(Enter Search Term)

Hosting Solutions

Why Rackspace

Partner Network

Information Center

Blog

ALL BACKED BY  
**FANATICAL  
SUPPORT®**

It isn't just what we do.  
It's really what makes  
us, well, us.

Find Out More

JOE  
RACKER  
since 2005



### MANAGED HOSTING

Customized dedicated server configurations, fully managed 24x7x365 by certified hosting experts. [More about Managed Hosting or a Dedicated Server](#)

LEARN MORE

### CLOUD HOSTING

On-demand, scalable, application, storage & web hosting, supported 24x7x365 by Cloud hosting experts.

[More about Cloud Computing](#)

LEARN MORE

### EMAIL & APPS

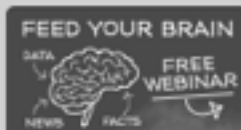
Business class hosted exchange & email hosting for companies large and small, managed 24x7x365 by our email specialists.

[More about Email & Apps](#)

LEARN MORE

LET'S TALK SALES QUESTIONS?  
start a Live Chat

THE WORLD'S LEADER IN HOSTING & CLOUD COMPUTING



**Managed Colocation from Rackspace**  
Our Rackspace experts share their knowledge, thoughts and tips for easing into Managed Colocation.  
[Register for Our Free Webinars](#)



**Single Dedicated Servers**  
Looking for the computing power of a dedicated server combined with the best support and SLAs in the industry?  
[Click Here to Configure & Buy Online](#)

# 4. Consulting



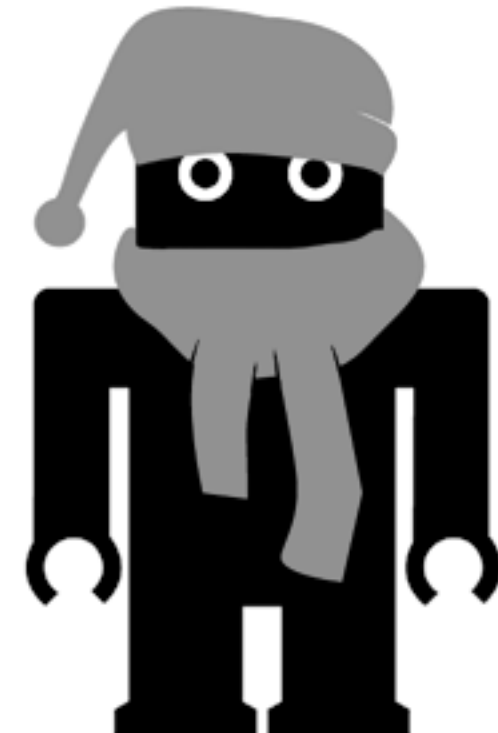


# thoughtbot

[HOME](#)[SERVICES](#)[WORK](#)[PROJECTS](#)[ABOUT](#)[BLOG](#)[CONTACT](#)

We are a technology consulting firm that provides web application development and design services.

We focus on building modern systems, embracing good ideas and delivering elegant solutions. [Learn more](#)



## PROJECT SPOTLIGHT

### gradefund.com

Gradefund is a web application which allows students to receive financial assistance from their families and friends — based on their academic performance at college. We did the backend development for this project.

[See more of our projects](#)





## Discipline. Collaboration. Results.

### TALKS

#### Creating Unobtrusive Stylesheets Using Compass and Sass

Compass author Chris Eppstein describes a new trend in the stylesheet framework world towards adhering to semantic markup and maintaining...

[More](#)

#### Integrating Performance Optimization with the Rails Development Process

Lew Cirne, CEO of New Relic, outlines how they use their own RPM product to maintain and improve the performance...

[More](#)

### PIVOTAL BLOG

#### CI dot Pivotal Labs dot com

At Pivotal Labs we take Continuous Integration (CI) seriously. Every project has a dedicated machine that serves as a CI...

[More](#)

#### Pivots Speak on Scalable Teams

Last week, Wolfram Arnold of RubyFocus interviewed Edward Hieatt, our VP of Engineering, and Davis Frank, one of our engineers,...

[More](#)

### PIVOTAL BLABS

#### Standup - 04/10/2009

Interesting Transparent PNGs and IE6 - Check out this awesome article about making gracefully degrading PNGs with transparency. With a...

[More](#)

#### Standup 04/09/2009: An Answer to a previous question

Interesting Regarding compass, sass, and line numbers, Chris Eppstein dropped some knowledge in the comments section on the 4/7/09 entry:...

[More](#)





design / development / strategy

[ABOUT](#)

[SERVICES](#)

[PORTFOLIO](#)

[LABS](#)

[BLOG](#)

[CAREERS](#)

[CONTACT](#)

# We build better web applications.

Intradea™ designs and develops simple, intuitive applications to help companies realize the power of social and business collaboration, cloud computing, and next-generation tools for the enterprise.

Call us today with your idea: **1-888-968-IDEA**

## Design

Intradea offers top notch design and marketing services. From brand development to custom experiential media and interactive design, Intradea offers a proven track record in enhancing online visibility for your business.

[Design Blog](#)

[Learn More »](#)

## Development

Do you have the idea and the plan but need the staff to help develop your product? If you have a limited budget or short timeline Intradea can deliver results through its agile development process. Custom software, web applications or mobile applications -- intridea can do it all.

[Development Blog](#)

[Learn More »](#)

## Strategy

Are you looking for someone to assess and plan out your custom project? Intradea's strategy services can create a project blueprint to ensure your project meets your objectives and is done on time and on budget.

[Strategy Blog](#)

[Learn More »](#)

Experience Our Work

VisualCV

Intradea helped VisualCV launch the

## Recent Blog Posts

**Redfinger: A Ruby WebFinger Gem**

Feb. 12

# ThoughtWorks®

Who we are | What we do | How we do it | What we say | Our clients | Work for us

ThoughtWorks is a global IT consultancy. We deliver custom applications, no-nonsense consulting, help organizations drive agility and create software. By hiring exceptional people, we can solve our clients' biggest and most pressing problems. All of our services are offered both on and offshore, and are delivered with pride and passion.

## Why ThoughtWorks?



"The productivity and quality from ThoughtWorks has exceeded all my expectations"

James Tatam, E4.com

- Learn how our clients [\[ reduced costs by 57% \]](#)
- Specialists in [\[ project rescue \]](#)
- Over 14 years of [\[ Agile and Lean experience \]](#)
- Redefining offshore software development [\[ visit our offshore portal \]](#)
- View ThoughtWorks [\[ brochure \]](#)

## Events and more



[\[ ThoughtWorks Tech Radar \]](#)

Free download

[\[ Living with Legacy Systems \]](#)

Canada Briefings Feb 3 | 5

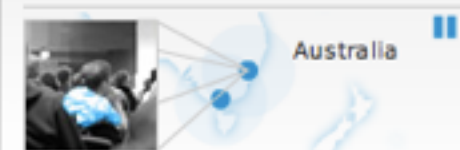
[\[ Business Foundations of IT \]](#)

UK Briefings Feb 16 | 19

[\[ AWS training - London \]](#)

24 March and 12 May

## Join us



Quarterly Technology Briefings

**Culture** Talent USA SOA

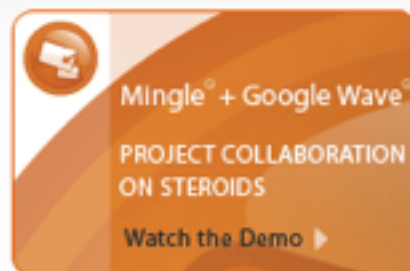
**UK Brazil India xp**

Global J2EE Agile Ruby

**Diversity** Australia Canada

**.NET Graduates**

## Products and Resources for Agile Success



Mingle® + Google Wave®

PROJECT COLLABORATION  
ON STEROIDS

Watch the Demo ▶

+ agile  
assessments

Get your Agile profile  
and customized  
recommendations now!

- Mingle: Agile Project Management and Collaboration Tool  
[\[ Explore \]](#) [\[ Download free trial \]](#)
- Cruise - Continuous integration + Release management system  
[\[ Explore \]](#) [\[ Download free trial \]](#)

## News

06 Oct 2009

[ThoughtWorks at Agile 2009 Brazil](#)

19 August 2009

[New iPhone App from](#)

[ThoughtWorks for Agile 2009](#)

17 August 2009

[ThoughtWorks Studios announces](#)  
[Adaptive ALM](#)

29 July 2009

[BT Financial Group honoured in](#)  
[CIO 100](#)

## ThoughtBlogs

**A leap of faith**

Marc McNeill: We recently pitched to a prospective client. We t ...

[\[ Read More \]](#)

**Label activities, not peop...**

Sriram: Ideally, an XP team consists of all talented and e ...

[\[ Read More \]](#)

**"IT - more than Tools and...**

Martin Fowler: I've been a regular speaker at the QCon and ...

[\[ Read More \]](#)



neo

WHO WE ARE

WHAT WE DO

BLOG &amp; NEWS

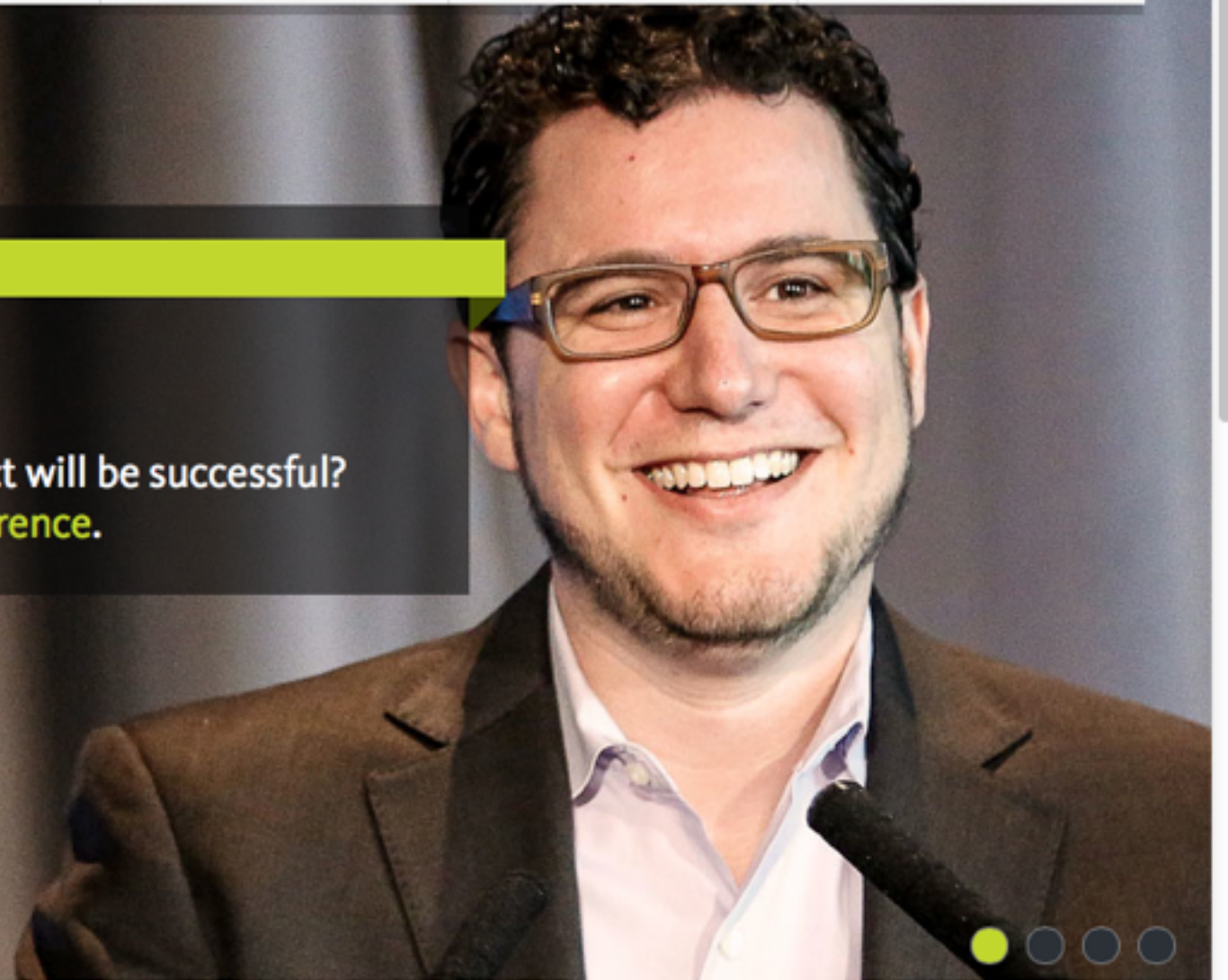
RESOURCES

CONTACT

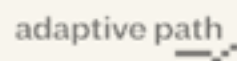
LEAN INNOVATION

# DRIVE SUCCESS

How can we increase the odds that a new product will be successful?  
Watch video from our recent [Lean Startup Conference](#).



We turn vision into reality, delivering exceptional software with robust engineering, lean thinking and delightful design.



# <http://www.workingwithrails.com/>

[My Account](#) | [About](#) | [Blog](#) | [F.A.Q](#) | [Sign Out](#)



[Home](#)

[Forums](#)

[People](#)

[Companies](#)

[Sites](#)

[Groups](#)

[Projects](#)

[Code](#)

[Jobs](#)

## Contacts, jobs, conversations, prizes...

Discover great Rails developers, sites and companies. Use the Forums to talk with others. Find your next Rails gig on the job board. Contribute to the Rails core and win great prizes.

[→ Discussion Forums](#)

[→ Job Board](#)

You are here: [Home](#) >

[Find](#)

Logged in successfully

## Job Board



Ruby on Rails Developer Wanted (Near job)
Rails Ninja (100-130K + benefits)
RoR programmer wanted (Mark Rates + benefits)
Ruby on Rails developer (45K + benefits)
Full-time Rails developer (45K + benefits)

Reach the world's largest dedicated collection of Ruby on Rails developers

[Post a Job](#) | [Proceed to the board](#)



## Recent Forum Topics

[RESTful shopping cart?](#)  
in Ask a Rails expert

[How to pass dynamic value to radian...](#)  
in Ask a Rails expert

[Javascript](#)  
in Ask a Rails expert

[YM4R RJS Set Center GMap](#)  
in Ask a Rails expert

[validates\\_email\\_veracity\\_of isn't w...](#)  
in Ask a Rails expert

[Server Admin - Email setup/removal](#)

## **NEW** Rails Search Engine

Search a handcrafted collection of Ruby on Rails sites...

[Search](#)

### Examples

- [render\\_to\\_string](#) - search the Rails API
- [sending multipart email](#) - Wiki How-to
- [core team](#) - Rails Info

## Rails BlogSphere

Keep up to date with your favourite Rails



WORKS  
WHAT WE BUILDABOUT  
WHAT WE AREBLOG  
WHAT WE DOCONTACT US  
STAY IN TOUCH

### HTML5 標準及響應式設計

熟悉最夯的 RWD 技術，我們對版面尺寸與螢幕空間的掌握優遊自如，可讓您的內容在任何手持裝置上一樣具有完美的瀏覽體驗。



### Ruby on Rails 網站開發

我們是世界等級的 Ruby on Rails 開發團隊。具有豐富的開發與營運經驗，高效協助轉換客戶的點子變成網站，領先在起跑點。



### 專業評估、敏捷執行

我們是這個領域的專家，擅長執行創意，透過精確的需求與成本分析、敏捷的開發流程，加速客戶生意水平擴展的速度。



### 一起改變世界

有點子想實現？想提升自己的網路事業到下一個規模？我們提供「網站開發」以及「專業諮詢顧問」服務，今天就聯絡我們！

## We make web apps and developers

We are best Ruby on Rails shop in Taiwan, have won global hack awards.

[Contact us today](#)

### Web Development

Ruby on Rails 是世界上最敏捷，架構上也是最先進的網頁框架。我們能協助你專業且迅速將點子轉成可實際營運的專業生意。透明化的執行追蹤、精準的時程安排、優良的軟體設計，我們能夠讓您的每一分錢都花的有價值。



### Ongoing Maintenance

有產品想要從其他語言平台轉換架構到 Ruby on Rails 嗎？或者是缺乏 Rails 人手協助開發新功能？我們是台灣少數「能夠」且「進行過多個」Rails 專案升級/重構或規模



### Startup Development

聽過「精益創業中」的「最低可行產品」(Minimum Viable Product)嗎？我們擅長敏捷開發，能協助創業家儘早推出第一版產品原型，快速測試市場水溫。



### Consulting

我們精熟各種 Ruby on Rails 架構及開發上的技巧，是台灣地區 Ruby on Rails 技術的領導者。開發者不夠充足？團隊希望快速提升開發實力嗎？我們提供技術訓練及架構

# 5. Conferences



# RUBYCONF 2013

*Miami Beach*

NOVEMBER 8-10th

Brought to you by **Ruby Central** / Looking for **2012's conference videos?** / Follow us on **Twitter**



[Location](#)[Program](#)[Sponsors](#)[About](#)[REGISTER](#)

# railsconf PORTLAND

APRIL 29 - MAY 2, 2013

## RailsConf 2013

RailsConf, the largest gathering of Ruby and Rails developers in the world, is returning to Portland, OR! Join us from April 29th - May 2nd and connect with top Rails talent, companies, and project owners from around the world.

## Opportunity scholarships

We're opening up scholarship applications for RailsConf. In the interest of making RailsConf accessible to under-represented groups (including students, women, and minorities), we're opening up opportunity scholarship applications. For details, please check out the [scholarship page](#).

We're also looking for conference sherpas -- experienced developers willing to help the scholarship recipients make their way through RailsConf, meet people, and generally make the most of their experience. Details are available on the [scholarship page](#).

**Registration is now open**





# RUBYKAIGI 2013

[HOME](#) [SCHEDULE](#) [FOR ATTENDEES](#) [GOODIES](#) [SPONSORS](#) [TEAM](#)



**MAY 30 - JUNE 1**

**at Tokyo International Exchange Center**  
(Tokyo, Japan)

Keynote talks will be given by:

**Yukihiro "Matz" Matsumoto**  
**José Valim**  
**Akira "akr" Tanaka**

RubyKaigi 2013 is a 3 day, multi-track conference for Rubyists held in Tokyo, Japan, the country Ruby was born in.

**Let's celebrate Ruby 2.0's release by rebooting RubyKaigi this year!**

## In RubyKaigi 2013, you'll get:

- ✱ the huge chance to say hi and thanks to Ruby committers!! (RubyKaigi will have the largest number of Ruby committers in conferences all around the world!)
- ✱ the most awesome keynote talks on this planet, given by @yukihiro\_matz, @tanaka\_akr and @josevalim!
- ✱ the opportunity to understand what Japanese Rubyist are saying in their presentations! There will be JA -> EN interpreters available during RubyKaigi this time! We will provide a great environment for Rubvists from around the world.

**euruko2013**[ABOUT](#)[SPEAKERS](#)[TICKETS](#)[VENUE](#)[SPONSORS](#)[PROPOSALS](#)[CONTACT](#)[BLOG](#)

# euruko

athens  
2013  
28  
29 | 2013  
JUNE

## News

- 04/04 Koichi will speak at EuRuKo!
- 04/04 Steve Klabnik will rock the stage!
- 28/03 Call for Presentations is now open!
- 30/01 Sponsorship packages online!

EuRuKo annual conference 2013 about the Ruby language  
will take place in Athens 28th - 29th of June.

## About

[to the top ^](#)

EuRuKo (the European Ruby Conference) is an annual conference which focuses on the Ruby programming language, with an informal atmosphere and lots of opportunities to listen, to talk, to hack, to have fun and where delegates experience distinct and insightful content from speakers of the highest calibre.

EuRuKo is being organised for the past 10 years in cities around Europe by Ruby developers for Ruby developers. It's a



*June 7-8, 2013*  
SINGAPORE

RedDotRubyConf is *THE* annual Ruby conference of South East Asia — a two day single-track event that brings together renowned international and local speakers.

GRAB A SEAT!

SGD ~~\$280~~ \$250 - RELEASE 1

SGD \$120 - STUDENT

## *the Speakers*



Jim Weirich  
NEO

Jim Weirich first learned about computers when his college adviser suggested he take a computer science course: "It will be useful, and you might enjoy it." With those prophetic words, Jim has been developing now for over 25 years.





SPEAKERS  
SESSIONS  
WORKSHOPS  
SPONSORS  
NEWS  
VENUE

20-22 FEBRUARY 2013

MELBOURNE, AUSTRALIA

CONFERENCE IS OVER

Until next time, happy programming!

It's time to bring the leading developers from around the region and beyond together for the first ever Ruby conference to be held in Australia.



Corey Haines



Aaron Patterson



Dave Thomas



Mikel Lindsaar

RUBY  
SPONSOR

envato

EMERALD  
SPONSORS

ThoughtWorks®

realestate.com.au  
Australia's No.1 property site™



[大会介绍](#)

[演讲嘉宾](#)

[日程安排](#)

[会场信息](#)

[赞助单位](#)

[报名参会](#)

[联系我们](#)

[CloudFoundry启动营](#)

# NOVEMBER IN SHANGHAI

17, 18 TWO DAYS

扫描二维码即可获得日程信息





[HOME](#) [REGISTRATION](#) [SPEAKERS](#) [SCHEDULE](#) [PARTY](#) [INFORMATION](#)

Like 478

+1 51

Tweet 130

# RUBY CONF

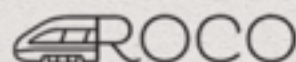
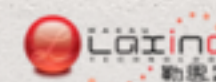
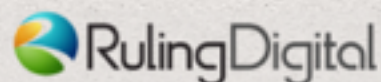
TAIWAN 臺灣



2012 / 12 / 07.08

No.113, Sec. 7, Zhongshan N. Rd., Shilin Dist., Taipei, Taiwan 11156  
台北市士林區中山北路七段113號

天母會議中心 Tianmu Convention Center  
沃田旅店 Mellow Fields Hotel





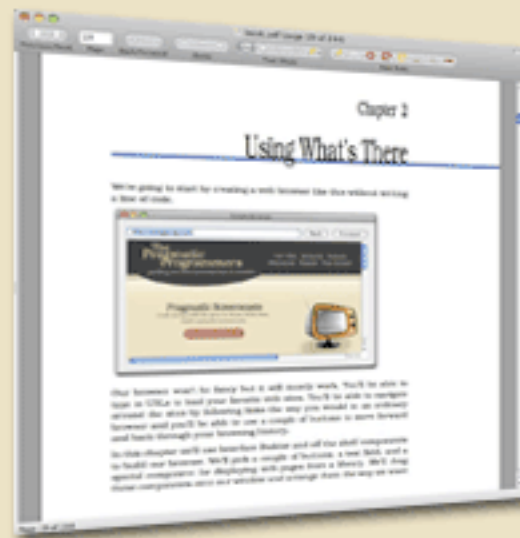
# 6. Books



<http://www.pragprog.com/>

# The Pragmatic Bookshelf

[Books](#) [Video](#) [Audio](#) [Discuss](#) [Resources](#) [Life](#) [Help!](#) [My Account](#)



PDF



epub



mobi

## Pragmatic eBooks

Your bookshelf  
in your pocket

[More...](#)



[Programming Scala](#)



[The RSpec Book](#)



[Programming Clojure](#)



MORE BOOKS

Search

GO

Books, articles, and more...

The  
Pragmatic  
Programmers

For Ruby 1.9  
and Ruby 2.0

# Programming Ruby

1.9 & 2.0

*The Pragmatic  
Programmers'  
Guide*



**Dave Thomas**  
*with Chad Fowler and Andy Hunt*

The Facets  of Ruby Series

The  
Pragmatic  
Programmers

For  
Rails 3.2

# Agile Web Development with Rails

Fourth Edition



**Sam Ruby**  
**Dave Thomas**  
**David Heinemeier Hansson**

*with Leon Brecht, Mike Clark, Justin Gehland,  
James Duncan Davidson, and Andreas Schwarz*  
*Edited by Susannah Davidson Pöjster*



The Facets  of Ruby Series



[Go](#)[Search Tips](#)

## POPULAR TOPICS

ActionScript	Ajax
Apache	C#
CSS	Flex
Head First	iPhone
Java	JavaScript
Linux	Missing Manuals
MySQL	Open Source
Perl	PHP
Photoshop	Python
Ruby	Web 2.0
XML	

## BROWSE BOOKS & VIDEOS

- ▶ [Business & Culture](#)
- ▶ [Databases](#)
- ▶ [Design & Graphics](#)
- ▶ [Digital Audio & Video](#)
- ▶ [Digital Photography](#)
- ▶ [Hardware](#)
- ▶ [Home & Office](#)
- ▶ [Networking & Sys Admin](#)
- ▶ [Operating Systems](#)
- ▶ [Programming](#)
- ▶ [Science & Math](#)
- ▶ [Security](#)
- ▶ [Software Engineering](#)

## NEWS & COMMENTARY

[\[Archive\]](#) | [Audio](#) | [Video](#) | [Popular Tags](#)

### Practical Tips for Government Web Sites (And Everyone Else!) To Improve Their Findability in Search



By [Vanessa Fox](#)  
Comments: 2

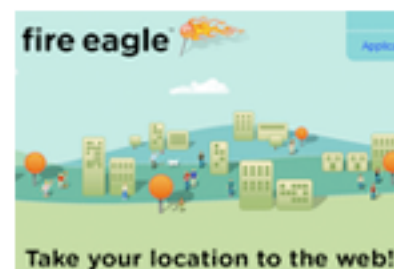
In an earlier post, I said that key to government opening its data to citizens, being more transparent, and improving the relationship between citizens and government in light of our web 2.0 world was **ensuring content on government sites could be easily found in search engines**. Architecting sites to be search engine friendly, particularly sites with as much content and legacy code as those the government manages, can be a resource-intensive process that takes careful long-term planning. But two keys are assessing who the audience is and what they're searching for and also ensuring the site architecture is easily crawlable... [Read more.](#)

### Where 2.0 Preview - Tyler Bell on Yahoo's Open Location Project



By [James Turner](#)  
Comments: 2

Location can be a vague concept to pin down. To a surveyor, location means latitude and longitude accurate to a few millimeters, while to a cab driver, a street address would be much more useful. If you're German, I can tell you that I live in the



## ONLINE COURSES



### Get a Free Course

Enroll in all courses within any certificate series, and get a free course.

- [Database Administration Certificate — \*\*New!\*\*](#)
- [Java Programming Certificate](#)
- [Client-Side Web Programming Certificate](#)
- [Linux/Unix System Administration Certificate](#)
- [PHP/MySQL Certificate Series](#)
- [Web Programming Certificate](#)
- [Open Source Programming Certificate](#)
- [.NET Programming Certificate](#)

▶ [Enroll Now and Save!](#)

## NEW RELEASES

- [iPhone Hacks](#)
- [Google Apps: The Missing Manual \(Video Tutorials\)](#)
- [Search Engine Optimization for Flash](#)

## Stay Connected



[Subscribe to our Newsletters](#)



[O'Reilly on YouTube](#)



[O'Reilly on Twitter](#)

[O'Reilly on Facebook](#)



[Week in Review](#)



[News Feed](#)



[New Titles Feed](#)



[Upcoming Titles Feed](#)

▶ [New to RSS?](#)

## Safari Books Online

# 10 DAY FREE TRIAL

### LEARN MORE, SPEND LESS

Access up to 10 books a month for as little as \$2 each

- Quickly search over 7,000 books and certification guides
- Access the full content of up to 10 books a month
- Download





# MANNING PUBLICATIONS CO.

## RECEIVE UPDATES ON NEW BOOKS?

### Catalog

Java  
Microsoft & .NET  
Perl  
XML  
All by Subject  
All by Title  
Upcoming  
Bestsellers

### Manning Blog

Why we call it "Java  
Persistence with  
Hibernate"?

### Author Blogs

Dierk Koenig  
Christian Bauer  
Dave Crane  
Bruno Lowagie  
Craig Walls  
more...

### Author Calendar

Upcoming Events

### About...

Manning  
Contact Us  
Ordering  
Support  
ebooks  
Covers  
Sandbox Forums  
Distributors  
Manning Early Access  
Program (MEAP)

## HOT NEW RELEASES



### Unlocking Android Print book available: April 17<sup>th</sup>

A concise, hands-on developer's guide for the Android operating system and development tools. It

starts by introducing Android basics as well as architectural concepts and then presents practical examples, showing you how to build apps that use, extend, or replace Android's features, both large and small.



### Hello World!

A gentle but thorough introduction to the world of computer programming using the easy to learn Python language. A 12-year-old will be able to follow

along and have fun too, but anyone who wants to learn how to program a computer will benefit from this book. Even adults. It can be used at home or in a classroom setting.



### IronPython in Action

An overview of the .NET framework for Python programmers. Shows how to embed IronPython in applications and how to



## Manning Early Access Program

Our Early Access program lets you get new chapters as they are being written and receive the final book immediately when it is published. You can use the [Author Forum](#) to interact with the authors, ask questions, provide feedback and errata, and help shape the final manuscript (★ NEW CHAPTER).

### JAVA

- ★ [AspectJ In Action, Second Edition](#) (17/17)
- ★ [Lucene In Action, Second Edition](#) (10/11)
- ★ [Grails In Action](#) (16/16)
- ★ [ActiveMQ In Action](#) (7/14)
- ★ [JavaFX In Action](#) (8/10)
- ★ [JUnit In Action, Second Edition](#) (13/19)
- ★ [Spring In Practice](#) (9/16)
- ★ [Struts 2 In Practice](#) (2/20)
- ★ [SpringSource dm Server 2.0 In Action](#) (1/14)
- ★ [OSGi In Action](#) (5/17)
- ★ [GlassFish In Action](#) (2/22)
- ★ [Algorithms of the Intelligent Web](#) (7/7)
- ★ [Apache Tuscany In Action](#) (5/16)
- ★ [Hadoop In Action](#) (4/11)
- ★ [OSGi Application Frameworks](#) (3/10)
- ★ [Griffon In Action](#) (2/15)

### PROGRAMMING

[The Well-Grounded Rubyist](#) (15/15)

- ★ [C++ Concurrency In Action](#) (10/10)
- ★ [Concurrent Programming with Erlang/OTP](#) (5/14)
- ★ [The Quick Python Book, Second Edition](#) (8/23)

### SOFTWARE ENGINEERING

- ★ [SOA Patterns](#) (5/11)

## FREE CONTENT CENTER

Every week you can find new content here, including "Green Papers," excerpted articles from our upcoming titles and free chapters! Download now and let us know what you think!



### Event Processing in Action (Green Paper - PDF)

This introductory chapter from *Event Processing in Action* details various examples of computerized event processing in use, looks at the reasons for using event-driven computing systems, and explains the main concepts of event-driven computing.

### OSGi Application Frameworks (Green Paper - PDF)

This green paper is based on *OSGi Application Frameworks*. Application Frameworks provides developers with the tools and the instructions to build a custom application framework using OSGi.

### Concurrent Programming with Erlang/OTP (Green Paper - PDF)

This green paper is based on *Concurrent Programming with Erlang/OTP*. Erlang is a programming language that runs entirely on processes, so that multiple activities can be running simultaneously, or concurrently without running into event loops or thread pooling.

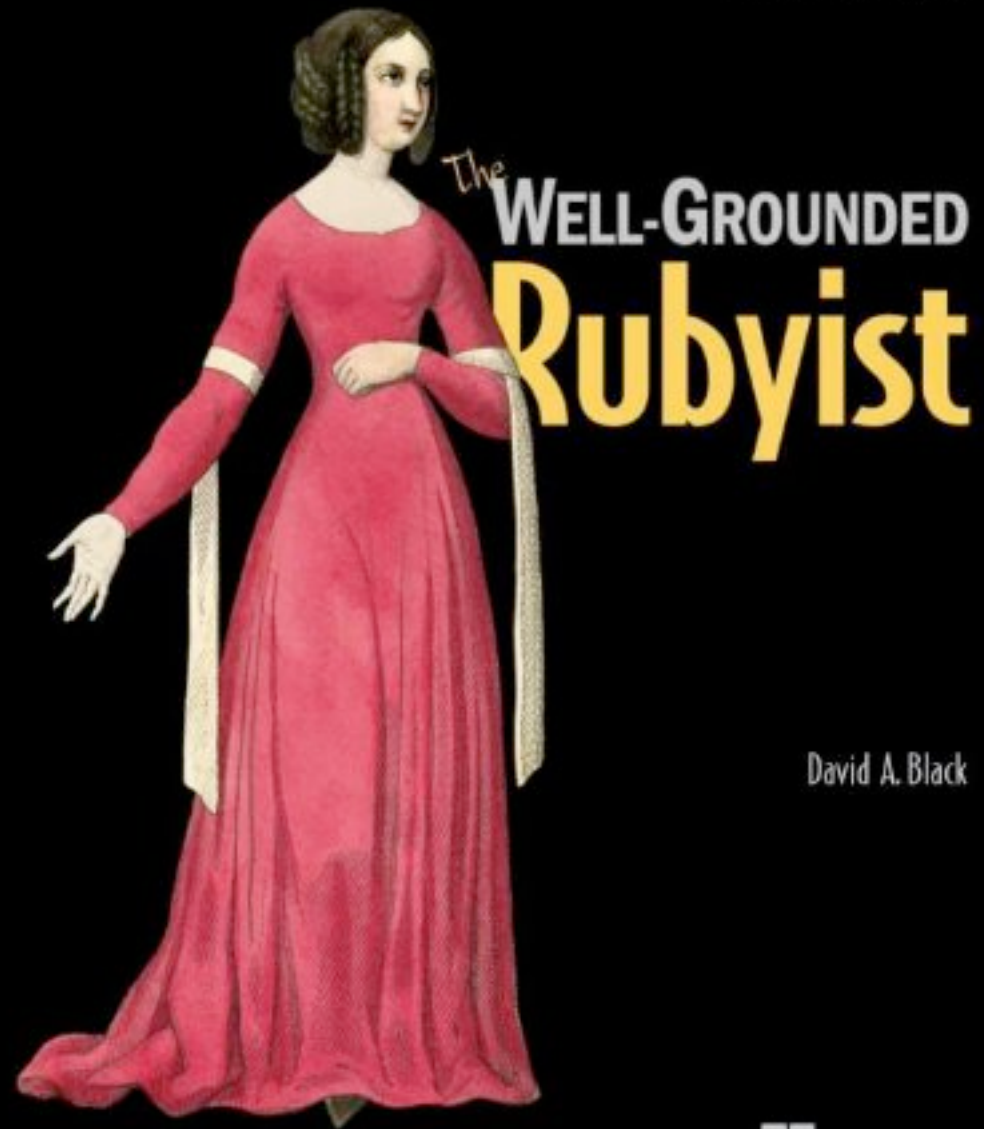
### C++ Concurrency in Action (Green Paper - PDF)

Based on the book *C++ Concurrency in Action*, this green paper delves into the new C++ standard (referred to as C++0x), which is scheduled to be published in 2010. The new standard will support multi-threaded programs, allowing for concurrent programming in C++. To learn more about multithreading and concurrent programming, check out this green paper.

### Introducing Hadoop (Green Paper - PDF)

Copyrighted Material

Covers Ruby 1.9.1



David A. Black

 MANNING

Copyrighted Material

Copyrighted Material

# Rails 3 IN ACTION

Ryan Bigg  
Yehuda Katz

 MANNING



Copyrighted Material



Addison-Wesley Professional Ruby Series



# DESIGN PATTERNS IN RUBY

Foreword by **Obie Fernandez**  
*Professional Ruby Series Editor*

**RUSS OLSEN**

Addison-Wesley Professional Ruby Series

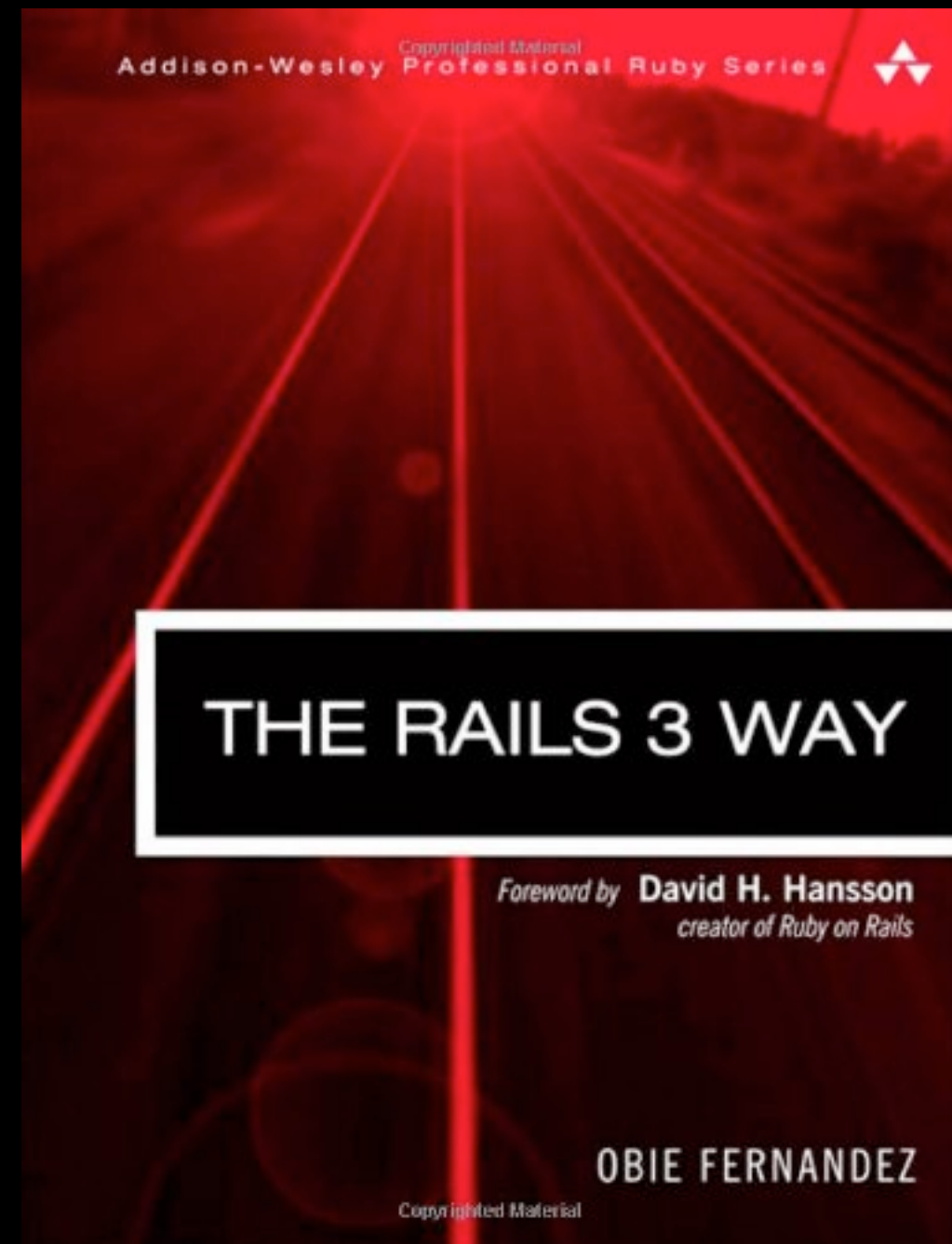
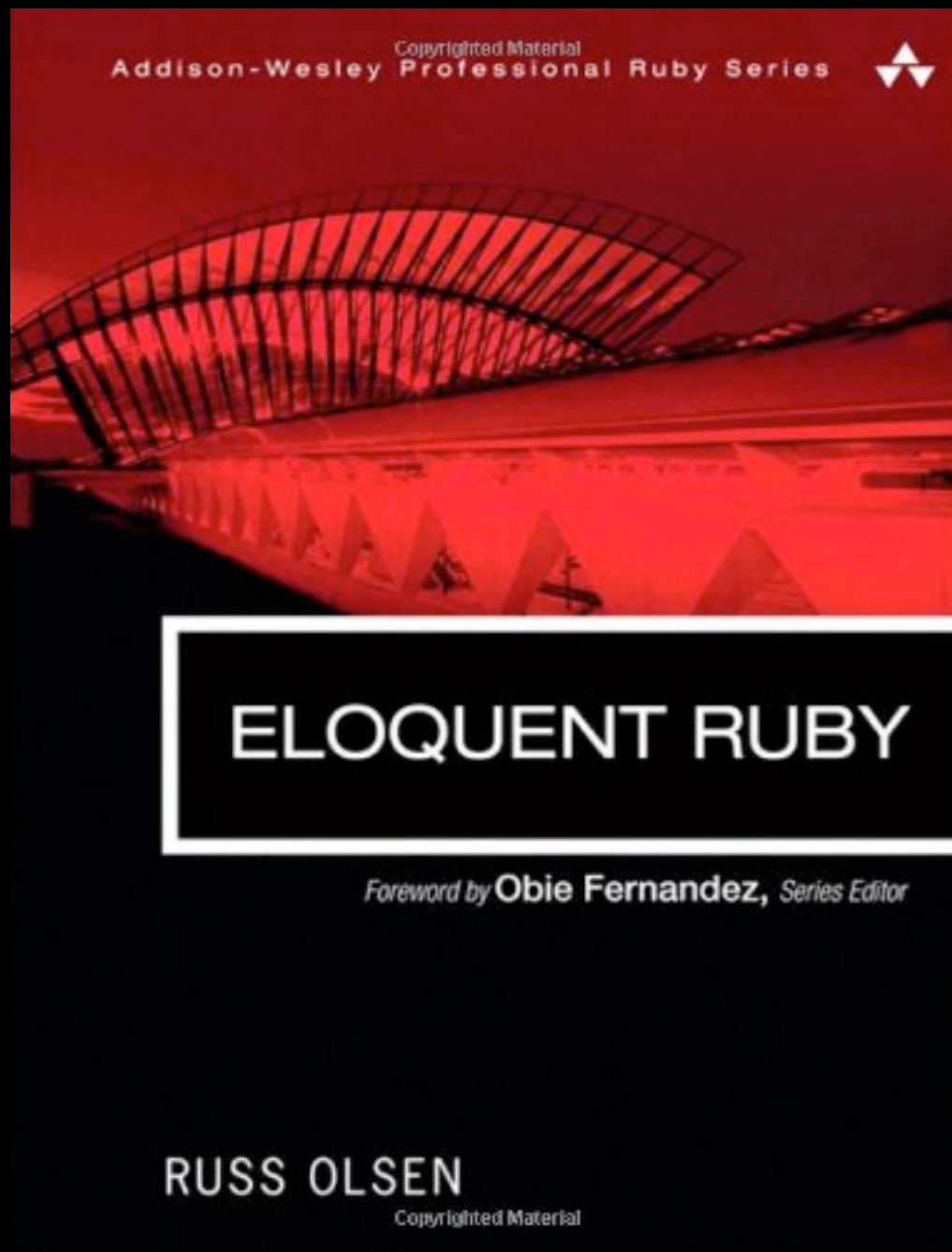


# REFACTORING

RUBY EDITION

JAY FIELDS ■ SHANE HARVIE  
MARTIN FOWLER *with* KENT BECK









閱讀練習時，小心 Rails 版本差異

1.2, 2.0, 2.1, 2.2, 2.3, 3.0, 3.1, 3.2


4.0, 4.1

# <http://guides.rubyonrails.org/>

More at [rubyonrails.org](http://rubyonrails.org): [Overview](#) | [Download](#) | [Deploy](#) | [Code](#) | [Screencasts](#) | [Documentation](#) | [Ecosystem](#) | [Community](#) | [Blog](#)



## RailsGuides

[Home](#)[Guides Index](#) [Contribute](#)[Credits](#)

## Ruby on Rails guides

These guides are designed to make you immediately productive with Rails, and to help you understand how all of the pieces fit together. There are two different versions of the Guides site, and you should be sure to use the one that applies to your situation:

- ✓ [Current Release version](#) – based on Rails 2.3
- ✓ [Edge version](#) – based on the current Rails [master branch](#)

### Start Here

#### [Getting Started with Rails](#)

Everything you need to know to install Rails and create your first application.

### Models

#### [Rails Database Migrations](#)

This guide covers how you can use Active Record migrations to alter your database in a structured



Rails Guides are a result of the ongoing [Guides hackfest](#) and a work in progress.



Guides marked with this icon are currently being worked on. While they might still be useful to you, they may contain incomplete information and even errors. You can help by reviewing them and posting your comments and corrections at the respective Lighthouse ticket.





# Ruby on Rails Tutorial

by Michael Hartl

Home | Book | Screencasts | Feedback | News | Follow

## Ruby on Rails Tutorial: Learn Rails by Example

The *Ruby on Rails Tutorial* book teaches web development with Ruby on Rails, an open-source web framework that powers many of the web's top sites, including Twitter, Hulu, and the Yellow Pages. *Ruby on Rails Tutorial* gives you all the skills you need to develop and deploy your own custom web applications with Rails. Since *Ruby on Rails Tutorial* covers Rails 3.0, the latest and greatest version of Rails, the skills you gain will be fully up-to-date. The *Ruby on Rails 3 Tutorial* book is available for free online and is available for purchase as a PDF download (which also includes a free copy of the *Ruby on Rails 2.3 Tutorial* book). A companion *Ruby on Rails 3 Tutorial* screencast series is also in preparation; [click here](#) to get a one-time notification (and exclusive coupon code) when the screencasts are ready.

341  
tweets



219 people like this. Be the first of your friends.

retweet

### Connect



subscribe



email updates



become a fan



follow

### The Ruby on Rails Tutorial book

- A 100% DRM-free PDF download of the *Ruby on Rails 3 Tutorial* book (~500 pages)
- A free copy of the *Ruby on Rails 2.3 Tutorial* book (~475 pages)
- Unlimited free updates through the final version of Rails 3.0

**Get both books now for only \$39!**

#### Chapter 4

#### Rails-flavored Ruby

Grounded in examples from Chapter 3, this chapter explores some elements of the Ruby language. Ruby is a big language, but fortunately the subset needed to be productive as a Rails developer is relatively small. Moreover, this subset is different from the usual approaches to learning Ruby, so we'll take a different approach. Instead of learning Ruby first, picking up Rails later, and then trying to make dynamic web applications, I recommend learning Rails first, picking up Ruby later, and then trying to make dynamic web applications. This way, you need to understand Ruby more deeply, and this book provides a foundation for developing that expertise. As noted in Section 3.1.1, after finishing Rails 3.0, reading a good Ruby book such as *Beginning Ruby*, *The Well-Grounded Rubyist*, or *The Ruby Programming Language* is a good idea.

#### 4.1 Motivation

As we saw in the last chapter, it's possible to develop the skeleton of a Rails application, and even maintaining it, with essentially no knowledge of the underlying Ruby language. We did this by relying on the generated controller and view code and following the examples we saw there. This situation can't last forever, though, and we'll open this chapter with a couple of additions to the site that bring us face-to-face with our Ruby limitations.

#### 4.1.1 A Rails helper

When we last saw our new application, we had just updated our newly static pages to use Rails layouts to eliminate duplication in our views (Listing 4.1).

Listing 4.1. The sample application site layout.

Sample Chapter  
Complete  
Rails  
3.0

Feedback

# Ruby on Rails 實戰聖經

使用 Rails 3.2 及 Ruby 1.9.3

 SEARCH

本書持續更新中，如果您有任何意見、鼓勵或勘誤，歡迎來信給我，謝謝。

我是 *ihower*，本書介紹 *Ruby on Rails* 這套開放原始碼的網站開發框架，原預定於\*2010年底\*出版目前最新的願望是搭配 *Rails 4.0* 和 *Ruby 2.0* 的時程出版。如果您對這本書有任何意見或勘誤指教，歡迎來信和我聯絡。

## Part 1: 入門導覽

1. *Ruby on Rails* 簡介
2. 安裝 *Rails* 開發環境
3. *Rails* 起步走
4. *Ruby* 程式語言入門
5. 打造 *CRUD* 應用程式
6. *RESTful* 應用程式

## Part 2: 深度剖析

1. 環境設定與 *Bundler*
2. 路由 *Routing*
3. *Action Controller*: 控制 *HTTP* 流程
4. *Active Record*: 資料表操作
5. *Active Record*: 資料庫遷移 *Migration*
6. *Active Record*: 資料表關聯
7. *Active Record*: 資料驗證及回呼
8. *Active Record*: 進階功能
9. *Action View*: 樣板設計
10. *Action View*: *Helpers*
11. *Assets* 與 *Ajax*
12. *RESTful* 與表單設計

[回首頁](#)[關於作者](#)[關於本書](#)[常見問題](#)[生態圈](#)

# 7.Video

<http://peepcode.com/>

SUBSCRIBE

UPCOMING

FAQ

**RSS**

LOGIN & SIGNUP

*PeepCode*  
s c r e e n c a s t s

*Rails*

*rSpec*

Git

HOT!

by Geoffrey Grosenbach  
SOURCE CODE MANAGEMENT

## APRIL SALE!

- Save \$20 on the Unlimited , or
- Get one free credit when you purchase a 5 Pack!

Existing Unlimited subscribers can renew for only \$109. Login to see the renewal discount.

## PEEPCODE SCREENCASTS

PeepCode Screencasts are a high-intensity way to learn Ruby on Rails website development.

Experienced developers have said that PeepCode is "fantastic and the price is a steal." Designer/developers have said they are "exactly the type of instruction I need to pick up new things and

### NEW!

- \$9 **NEW** Screencasting with Final Cut Pro
- \$9 **NEW** Control Your Email Inbox

### SUBSCRIPTIONS

- \$129 PeepCode Unlimited
- \$70 Pack of 10 Credits
- \$40 Pack of 5 Credits (+1)

### SCREENCASTS

- \$9 **NEW** Screencasting with Final Cut Pro
- \$9 **NEW** Control Your Email Inbox
- \$9 Objective-C for Rubyists
- \$9 Haml and Sass
- \$9 Meet Emacs
- \$9 Productivity for

### PDF BOOKS

- \$9 Thinking Sphinx PDF
- \$9 Unobtrusive Prototype.js
- \$9 Rails on Facebook
- \$9 Rails Security Audit PDF
- \$9 Receiving Email with Ruby PDF
- \$9 Git Internals PDF
- \$9 Plugin Patterns for Rails 2



Change Path

# Ruby

Master your Ruby skills and increase your Rails street cred by learning to build dynamic, sustainable applications for the web.

Topics covered:

RUBY BASICS

STARTING RAILS

ADVANCED RUBY

RAILS EDGE

RAILS TESTING

RAILS BEST PRACTICES



FREE COURSE

## Try Ruby

Learn the basic building blocks of Ruby, all in the browser.

ORIENTATION



FREE COURSE

## Rails for Zombies Redux

Learn Ruby on Rails, an open-source framework.

ORIENTATION



## Ruby Bits

Learn the core bits every Ruby programmer should know.



## Rails for Zombies 2

Experience the sequel to the infamous Rails for Zombies.



(free)

# 8. Website & Blog

[Overview](#) | [Download](#) | [Deploy](#) | [Code](#) | [Screencasts](#) | [Documentation](#) | [Ecosystem](#) | [Community](#) | [Blog](#)



Search:

search is working now...

## Job Board

[Meetup is looking for a Lead Systems Architect](#). See more on the [Job Board](#).

## Worth attention

[Workshops](#)

[Podcast](#)

## Categories

[Documentation](#)

[General](#)

[Horizon](#)

[Jobs](#)

[Launches](#)

[Praise](#)

[Releases](#)

[Sightings](#)

## One Giant Leap Forward

Posted by Mike Gunderloy April 13, 2009 @ 11:02 PM

As of a few minutes ago, [the first big bunch of Rails 3 changes](#) were merged back to Rails master branch in github. This represents a good deal of work by Yehuda Katz, Carl Lerche, and others. I'll have more to say on the changes later on this week, but for now, just a quick caution: if you're in the habit of using Edge Rails, you should likely switch to the [2-3-stable](#) branch for the time being. The master branch of Rails will likely take a little while to settle back into something that can be used for anything other than getting a preview of the Rails 3 excitement.

Posted in [Edge](#) | [6 comments](#)

## Rails IDEs March On

Posted by Mike Gunderloy April 08, 2009 @ 01:09 PM

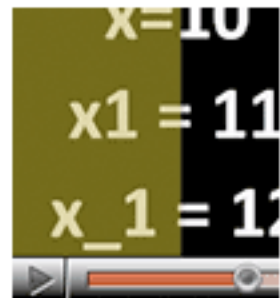
Many Rails developers are perfectly happy working on their code in a text editor – and there are certainly plenty of excellent text editors out there. But others, particularly those who have come to Rails from another platform, find themselves wanting a full integrated development environment. For the latter group of developers, there's good news: two major cross-platform Rails IDEs have releases available now.

Aptana's [RadRails](#) (a plugin for their [Aptana Studio](#) IDE) has just released version 1.2. This Eclipse-based environment will seem instantly familiar to many users, and version 1.2 has a



## 17 Videos Covering Basic Ruby Techniques

By Peter Cooper : April 15, 2009 : [1 Comment](#)



[Teknigal.com](#) is a site offering a series of 17 Basic Ruby tutorials in screencast form. In a way, it's like [Railscasts](#), but focusing solely on basic Ruby techniques. So far there are 17 tutorials covering basic topics from whitespace and identifiers through to symbols and hashes, but it looks like there'll be more in future.

These videos probably won't be of much direct use to the average Ruby Inside reader directly, but if you have developers under you or friends who need...

[Click Here to Continue Reading](#) >>

Subscribe to Ruby Inside:



[RSS Feed](#)



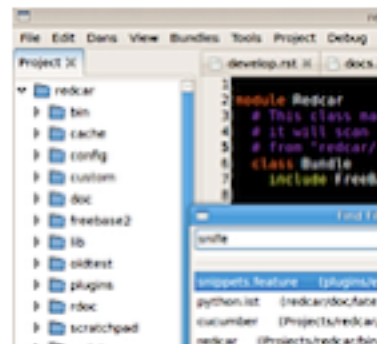
[Twitter](#)



[E-mail](#)

## Redcar: A Programmer's Text Editor Written in Ruby

By Peter Cooper : April 13, 2009 : [6 Comments](#)



[Redcar](#) is a programmer's text editor for GNOME, written in Ruby and [Vala](#) (a curious C# like language for use with GNOME), by Daniel B Lucraft.

Redcar probably isn't going to be your next editor, at least not yet. It's still in its early stages with version 0.1 only being released

a week ago and you have to get it running from source (no binary

### Top Posts

- 9.2 Ruby 1.9.1 Released - First Production Release of the Fastest Ruby Ever!
- 7.8 How to Get A Job at a Top Ruby Shop
- 7.4 How To Install A Ruby 1.8 Stack on Ubuntu 8.10 From Scratch
- 7.2 23 Useful Ruby 1.9 Links and Resources
- 7.0 Ruby XML Performance Shootout: Nokogiri vs LibXML vs Hpricot vs



### RubyMine IDE

Discover the treasures within



### brightbox

SERIOUS RAILS HOSTING...



### Linode.com

Xen Virtual Servers



### RUBYRUN<sup>CE</sup>

(Really!) Free Ruby Diagnostics Tool

scrumd.com

### scrum'd

Simple project management for agile teams.



Specializing in Social Networks Building Cutting Edge Apps, Widgets and APIs



The latest news in the Ruby and Rails community

Got some news to report? *Send it in!*

# Episode #44 - January 22, 2010

Jim Hoskins
 Nick Pettit

This week we look into Cappuccino and Sprite. We also check out the MacRuby Debugger, Websockets with Cramp, Secure URLs, and Migrating to Rails 3.

Subscribe with iTunes or RSS

This episode is sponsored by **Heroku**. Instantly deploy and scale your Ruby application.

Heroku

URL Store

Websockets

CappuccinoResource

Rails 3

MacRuby Debugger

auto\_sprite

Ruby5 Co-Hosts

Ruby5

This episode is sponsored by **Heroku**

Heroku provides a platform as a service (PAAS) for building, deploying, running, and managing cloud apps using Ruby. The [architecture](#) of their cloud application platform includes tools for deployment and management, a runtime for scalability, fault tolerance, automation, and an Add-ons system for extending the capabilities of the platform. You can get started for free at [Heroku.com](#).

January 19, 2010	January 15, 2010	January 12, 2010	January 8, 2010
Managing music with Ruby, Arid Cache, and Navvy are featured on this episode of Ruby5. Also, Growing your SQL, Hammertime, and	Nezumi, Churn, and Reservation are all covered in this episode. We also take a look at loading images in MacRuby and combining	Phusion Passenger 2.2.9, the RailsBridge Rails 3 BugMash, and the New Relic State of the Stack are all covered in this episode of	Cramp, Validation Scopes, and Weary are covered in this Friday episode. We also talk about password security without SSL

The latest news in the Ruby and Rails community

Got some news to report? *Send it in!*

## 5:24▶

 Jim Hoskins  Nick Pettit

This week we look into Cappuccino and Sprite. We also check out the MacRuby Debugger, Websockets with Cramp, Secure URLs, and Migrating to Rails 3.

Subscribe with  iTunes or  RSS

This episode is sponsored by [Heroku](#). Instantly deploy and scale your Ruby application.

This episode is sponsored by Heroku 

Heroku provides a platform as a service (PAAS) for building, deploying, running, and managing cloud apps using Ruby. The [architecture](#) of their cloud application platform includes tools for deployment and management, a runtime for scalability, fault tolerance, automation, and an Add-ons system for extending the capabilities of the platform. You can get started for free at [Heroku.com](#).



CappuccinoResource

## Rails 3

## MacRuby Debugger

auto\_sprite

## Ruby5 Co-Hosts

## Ruby5

January 19, 2010

Managing music with Ruby, Arid Cache, and Navvy are featured on this episode of Ruby5. Also, Growing your SQL, Hamvertime, and

January 15, 2010

Nezumi, Churn, and Reservation are all covered in this episode. We also take a look at loading images in MacRuby and combining

January 12, 2010

Phusion Passenger 2.2.9, the RailsBridge Rails 3 BugMash, and the New Relic State of the Stack are all covered in this episode of

January 8, 2010

Cramp, Validation Scopes, and Weary are covered in this Friday episode. We also talk about password security without SSL.

# <http://railscasts.com/>





Ruby on Rails Screencasts – RailsCasts

railscasts.com

Reader

**RAILSCASTS**  
Ruby on Rails Screencasts

[Sign in through GitHub](#)



Search Episodes


Browse Episodes

RailsCasts Pro

Notifications

About

Feedback




**Fast Rails Commands**

EPISODE #412 – Apr 04, 2013 – 23 comments

**Fast Rails Commands**

Rails commands, such as generators, migrations, and tests, have a tendency to be slow because they need to load the Rails app each time. Here I show three tools to make this faster: Zeus, Spring, and Commands. (8 minutes)

Watch Episode




**Performance Testing**

EPISODE #411 – Mar 27, 2013 – 18 comments

**Performance Testing**

Learn how to add performance tests that automate benchmark and profile reports. Here I show how to find the bottlenecks to optimize a page. I also show how to compile Ruby with gcdata to get information about memory usage. (16 minutes)

Subscribe to Watch Episode




**Eager Loading**

EPISODE #22 – Mar 20, 2013 – 22 comments

**Eager Loading (revised)**

One way to improve performance is to reduce the number of database queries through eager loading. Here I demonstrate this and compare the difference between the "includes" and "joins" methods. (7 minutes)

Subscribe to Watch Episode






**Ember Part 2**

EPISODE #410 – Mar 12, 2013 – 33 comments

**Ember Part 2**

Here we continue our look into Ember.js. First we add a JSON API to persist the entries through ember-data. Then we finish up the project by adding a computed property and a view object. (14 minutes)

Subscribe to Watch Episode

View: 

Types

[Free Episodes](#)

[Pro Episodes](#)

[Revised Episodes](#)

Categories

[Active Record](#)

[Active Resource](#)

[Active Support](#)

[Administration](#)

[Ajax](#)

[APIs](#)

[Authentication](#)

[Authorization](#)

[Background Jobs](#)

[Caching](#)

[Code Walkthrough](#)

[Controllers](#)

[Debugging](#)

[Deployment](#)

[eCommerce](#)

[Forms](#)

[Mailing](#)

[Models](#)

[Performance](#)

[Plugins](#)

April 16, 2009

**A Chat with Dr Nic** [A Chat with Dr Nic](#). We discuss the best bits of [Rails](#), Rails 3, open source development, why Rails is good for your business and lots more!

Posted by [MEHColeman](#) at 00:25 - [0 comments](#)

April 15, 2009

**Writing Sinatra apps for Google App Engine, the productive way** [This blog post](#) explains how to set up a [Sinatra](#) app with [JRuby](#) and the Google App Engine development server so you don't have to re-warble and restart the dev server on each modification.

Posted by [massive\\_brain\\_games](#) at 23:53 - [0 comments](#)

**Using Ruby to generate Design Documentation from C++ Code.** [Introducing Amorfus](#), a small ruby script that — with the help of Dia and some other tools — generates clean, useful, comment-based [documentation](#) for your C++ code, complete with UML diagrams.

Posted by [ardekantur](#) at 20:24 - [0 comments](#)

**10 days later SimpleForm goes to 0.2** [SimpleForm](#) is an easy contact form for [Rails](#) with support to [I18n](#), validations and now got extended to support attachments and also append request info to the e-mail. You can [read a post explaining the new features here](#).

Posted by [josevalim](#) at 14:49 - [0 comments](#)

**Show Off Your Mockups** A [kickass plugin](#) to help designers and devs work better in [rails](#).

Posted by Adam McCrear at 12:26 - [0 comments](#)

**Ruby FLV pseudostreaming implemented using Sinatra and Rack::Evil (useful for Rails too!)** [AmberBit](#) team members have posted new [tutorial and example code](#), that will let you integrate Flash Video (FLV) pseudostreaming, which is compatible with Lighttpd/Nginx module solutions into your Ruby applications. Example is using [Sinatra](#) and [Rack::Evil](#), but it's easy to port it to [Rails](#).

Posted by [kajaman](#) at 11:50 - [0 comments](#)

**Pimp Your autotest** Here's an [updated autotest howto](#) for rubysts on Mac. It contains a few improvements such as a simple workaround to make



# RubyGems.org

your community gem host

[all gems](#) [sign in](#) [sign up](#)

**10,651 gems**  
cut since july 2009

Welcome to your community RubyGem host.  
Find your gems easier, publish them faster, and have fun doing it.

## LEARN

### Install RubyGems 1.3.6

Ruby's premier packaging system

### Browse the Docs

The comprehensive guide on RubyGems

### Gem Specification

Your gem's interface to the world

## SHARE

```
gem update --system
```

Update to the latest RubyGems version

```
gem build foo.gemspec
```

Build your gem

```
gem push foo-1.0.0.gem
```

Deploy your gem instantly

**RubyGems.org** is the Ruby community's gem hosting service. **Instantly publish** your gems and install them. **Use the API** to interact and find out more information about available gems. **Become a contributor** and enhance the site with your own changes.

## New Gems

active\_cart (0.0.1)

flightcaster (0.1.0)

configr (0.2.0)

## Most Downloaded

activesupport (430287)

rack (396564)

activerecord (391490)

## Just Updated

propaganda (0.5.0)

ruby-fs-stack (0.4.7)

rhubarb (0.2.3)

<http://github.com/>



[Home](#)

[Pricing and Signup](#)

[Repositories](#)

[Guides](#)

[Blog](#)

[Login](#)

## GitHub is for Public Open Source and Private Business Code

Search public git repositories



unclebob

### fitnesse

16 April 2009

fitnesse is a Java-based wiki that helps to make sure you build the right code for your clients. Based off of Ward Cunningham's FIT framework, the project focuses collaborative editing of acceptance tests.

#### Recently Updated Repositories

-  biopython / **biopython**
-  takinbo / **rapidsms**
-  millenomi / **slideapp**
-  mantas / **jrails\_in\_place\_editing**
-  xdite / **tweeter-message-wall**



Join a growing selection of companies that have adopted GitHub as their code host of choice.

**TechCrunch**

*weplay*

 **shopify**

**customInk.com**  
You think it. We Ink it!



# The Ruby Toolbox

Home Sign in using your

Home

Categories

Projects

Resources

Blog

Search

## Categories by group (Show by name)

### Active Record Plugins

**Active Record DB Adapters** activerecord-jdbc-adapter, activerecord-jdbcmysql-adapter, activerecord-sqlserver-adapter, activerecord-jdbcpostgresql-adapter, activerecord-jdbcderby-adapter, and 3 more

**Active Record Default Values** Default value for and Active record defaults

**Active Record Enumerations** enumerize, Enumerated attribute, Simple enum, Enumerate it, Classy Enum, and 7 more

**Active Record Index Assistants** Rails indexes, Ambitious query indexer, and lol\_dba

**Active Record Named Scopes** Searchlogic, Pacecar, Can search, Utility scopes, Quick scopes, and 4 more

**Active Record Nesting** Awesome nested set, Ancestry, Acts as tree, Closure Tree, Better nested set, and 2 more

**Active Record Sharding** Octopus, Db-charmer, masochism, multi\_db, Data fabric, and 2 more

**Active Record Soft Delete** rails3\_acts\_as\_paranoid, Acts as archive, Acts as paranoid, Permanent records, Acts as soft deletable, and 3 more

**Active Record Sortables** Acts as list, ranked-model, Sortable, Resort, and acts\_as\_restful\_list

**Active Record User Stamping** Userstamp, User stamp, Acts as audited, Record activities, Acts as loggable, and 2 more

**Active Record Value Cleanup** Attribute normalizer, Strip attributes, Nilify blanks, auto\_strip\_attributes, Scrubby, and 2 more

**Active Record Versioning** PaperTrail, Vestal versions, audited, Acts as versioned, Acts as revisable, and 11 more

**Pagination** will\_paginate, Kaminari, sorted, Paged scopes, ajax\_pagination, and 1 more

**Rails Comments** Acts as commentable with threading, juvia, Acts as commentable, Disqus, opinio, and 2 more

**Rails DB Bootstrapping** Seed-fu, Populator, seedbank, Bootstrapper, Db-populate, and 2 more

**Honeybadger.io**  
Error Management  
for Rails

Built by devs who give a #5%

Exception Mon  
Ruby & Rails

POWERED

### Announcements

**Fix your Rails 2.3/3.0 and Devise apps!** 28

**Signin bug smashing** 26

**Stop what you're doing and fix all your Rails apps right now!** 10

**Happy New Year!** 1

**Featured projects temporarily removed** 27

### Recent Comments



**Sadjow Medeiros Leão** comment  
rolify

about 3 hours ago



**devinbethel** commented on  
**Communityengine**

a day ago



**RobinOBrien** commented on **Prav**  
4 days ago



**HammerInTheNews** commented on

# 9. Ruby Community in Taiwan

# Ruby Taiwan

RSS ARCHIVE

We're Taiwan's Ruby community. [more »](#)



[About](#) [關於我們](#) | [Guides](#) [找文件](#) | [Job Board](#) [找工作](#) | [Ruby](#) [中文官網](#) | [Ruby on Rails](#) [中文官網](#) | [RubyConf Taiwan](#) [大會](#)

## About Ruby Taiwan



Ruby Taiwan 社群成立於2008年10月，主要是針對 Ruby 程式語言及軟體開發，進行業界的交流及分享，提昇開發人員的技術深度與廣度。我們的實體活動包括：

1. 每週三的 [Ruby Wednesday](#) 聚會，形式為隨到隨聊的聚會。主要目的是幫助初學者建設基礎知識，友善地協助跨越門檻。找出不斷重複出現的程式問題，並整理易懂、清晰的參考資訊。希望所有人都能善用 Ruby 及 Ruby on Rails 做網站程式開發，並實際在工作上發揮自如。
2. 不定期週二的 Ruby Tuesday 聚會，形式為技術分享演講。
3. Ruby on Rails Workshop 工作坊，與 [OSSF](#) 合作舉辦。
4. [RubyConf Taiwan](#) 大會，為國內唯一的 Ruby 程式語言年會，目標對象為所有 Ruby 相關的 IT 技術人員、系統管理員及程式開發者，並邀請來自國內外專業講者來分享他們的專案及經驗。



## Ruby Taiwan 文件

### Ruby

- **Ruby** 中文官方網站：**Ruby** 簡介
- **Ruby** 使用手冊：翻譯自 **Ruby User's Guide**

### Ruby on Rails

- 少就是多) **Ruby on Rails** 簡介：翻譯自 **Creating More Using Less Effort with Ruby on Rails**
- **Rails** 指南手冊：**Rails** 初上手：翻譯自 **RailsGuides: Getting Started with Rails**

### 其他中文資源

- **ihower** 教育訓練課程
- **Blog.XDite.net: 2010 Ruby on Rails** 書單 與 練習作業

### 翻譯檔原始碼

如果您有興趣加入翻譯計畫，歡迎至以下的 GitHub 專案的 Wiki 來認領文章，然後 Fork 這個專案就可以進行了。完成之後請發 pull request。





# RubyJobs

Job board for Ruby and Rails developers in Taiwan

Hi, ihower@gmail.com [List my posting](#) | [Settings](#) | [logout](#)



*Post a new job*

Posted	Job Title	Company Name	Location
2010-07-26	<b>Rails Developer</b>	OptimisCorp	台北市復興北路191號
2010-07-23	<b>網站程式開發工程師</b>	中研院 自由軟體鑄造場	台北市南港區研究院路二段128號
2010-07-22	<b>網頁設計師</b>	Techbang T 客邦	台北市中山區民生東路二段
2010-07-22	<b>Rails Developer</b>	Techbang T 客邦	台北市中山區民生東路二段

[FAQ](#) | [Subscribe to the RSS feed](#) |  [follow @RubyTaiwan on Twitter](#)

Choose your language: English 繁體中文

The job board is a free service by [Ruby Taiwan](#).





# Ruby

A Programmer's Best Friend

 Search

檔案下載 文件 資源庫 社群 新聞 關於 Ruby

## Ruby 是...

一個簡易且充滿生產力的開放原碼動態程式設計語言。高雅的語法，得以自然的閱讀與易於撰寫。

[深入了解...](#)

```
# Output "I love Ruby"
say = "I love Ruby"
puts say

# Output "I *LOVE* RUBY"
say['love'] = "*love*"
puts say.upcase

# Output "I *love* Ruby"
# five times
5.times { puts say }
```



Download Ruby

### Get Started, it's easy!

[在瀏覽器中試用 Ruby!](#)

[20分鐘體驗 Ruby](#)

[從其他語言來到 Ruby](#)

### Explore a new world...

[文件](#)

[書籍](#)

[資源庫](#)

[成功案例](#)

### 加入友善且持續成長的社群

[郵件論壇](#): 與世界各地的程式設計師一同聯誼

[使用者社群](#): 與身旁的 Ruby 使用者接觸

[Weblogs](#): 了解 Ruby 社群中的最新消息

[Ruby Core](#): 幫助開發 Ruby 核心

### Top Ruby Projects

- [Ruby Installer for Windows](#)
- [FLVTool2](#)
- [RMagic](#)

## Ruby 1.9.2 RC2 釋出

Ruby 1.9.2 RC2 日前已經釋出。此為 Ruby 1.9.2 第二個候選版本。

[Continue Reading...](#)

Posted by SJH on 17 Jul 2010

## RubyConf Taiwan 2010 Call For Papers

[RubyConf Taiwan 2010](#)將於2010年4月25日於中央研究院舉行。我們從即日起開始接受投稿，任何與Ruby語言相關的主題都歡迎您的投稿與大家分享。

投稿的截止日期為2010年1月31日，我們有兩種形式的議程可供選擇：

Session: 45分鐘 Talk: 20分鐘 請在截止日前將您的演講題目、摘要以及個人簡介投遞至 [2010@rubyconf.tw](mailto:2010@rubyconf.tw)

[RubyConf Taiwan 2010](#) will be held on April 25, 2010 in Academia Sinica, Taipei. If you want to give a presentation at RubyConf

# Ruby Tuesday 聚會

Ruby Tuesday #9 | Registrano X

http://registrano.com/events/ruby-tuesday-9

iGoogle Read Later Instapaper Blog Twitter Facebook Plurk Tumblr Yahoo! PlanetRoR git GitHub git Gist 字典Y! Other Bookmarks

→ Dashboard

Info Register Contact

## Ruby Tuesday #9

### 時間

2010/3/9 (週二) 晚上七點到九點半。

### 議程

- [ihower](#): Rails Performance and Security Best Practices
- [Josh Moore](#): JRuby on the [Google App Engine](#)

### 費用

場地低消為新台幣 \$150 元，請向櫃台點餐。

### 地點

果子咖啡 <http://www.gozcafe.com/>，台北市中山區民生東路三段140巷11號。捷運可搭木柵線南京東路站下車，沿慶城路直走左手邊巷子裡。

### Event Start Time

2010/03/09 7:00 PM

### Event End Time

2010/03/09 9:30 PM

### Location Name

果子咖啡

### Capacity

45

### Hosted by

[Ruby Taiwan](#)

Google Calendar

✉ 加至 Outlook 行事曆

📌 貼文到 funP

BOOKMARK

Register Now



facebook

搜尋人、地標和事物

張文鈺 首頁 通知

張文鈺  
編輯個人檔案

最愛

- 動態消息
- 收件匣訊息
- 相片
- 活動

廣告

廣告管理員

粉絲專頁

- 愛好談軟體 1
- 粉絲專頁動態 20+
- 發現粉絲專頁 20+

社團

- Ruby on Rails 讀書會
- Nami Luffy
- Ruby Taiwan**
- Scrum Community in ...
- 搞笑談軟工
- NoSQL Taiwan
- JavaScript.tw 8
- RGBA 討論區 1
- Redis小聚
- NTHU 中的子社團
- 欣欣戀購社團 8
- 成立社團.....

應用程式

- 應用程式中心 20+
- 遊戲動態 20+
- 翻譯工具



Ruby Taiwan

關於 活動 相片 檔案

通知

撰寫貼文 新增相片/影片 提問題 新增檔案

留個言吧.....

139 位成員 (5 位新成員) · 以電子郵件邀請

+ 加成員到社團

最新貼文



盧紀憲

高見龍 龍哥 請笑納 XD



使用脚踏板离合器操控 Vim —  
LinuxTOY  
linuxtoy.org

Aleksandr Levchuk 这位老兄可以称得上是 Vim 文本编辑器的超级粉丝。有意思的是，他为了改善 Vim 的文本编辑速度，竟亲自动手为 Vim 制作了脚踏板离合器。当踩下踏板时，就会让 Vim 进入插入模式

讚 · 留言 · 追蹤貼文 · 分享 · 17 小時前在 Taipei, Taiwan 附近

47人已看過

查看另 1 則留言



鄭慕凡 需要Psycho Frame和具有New Type資質的人(強化人可)

17 小時前 · 讚



徐曦 之前看到這個踏板的感想就是：整個有在打爵士鼓的態勢

超rock(y)

16 小時前 · 讚



留言.....

贊助

刊登廣告

Free t-shirt for Nerds!  
newrelic.com



Try New Relic's app performance monitoring tool and we'll send you a free t-shirt!

Facebook Mobile DevCon!



Register now and spend the day with Facebook engineers in Seoul!

【耕慧國際】轉動華人創新的無限可能  
(新創+創新)



想知道如何在54小時驗證自己的點子，成立自己的新創/Startup嗎？藉由Agile/Lean Startup核心概念和百人創業周末活動，協助新創團隊加速找到成功方程式。

讚 · 葉佰蒼覺得  
轉動華人創新的無限可能 | 視野、動力、價值 | by 耕慧國際 WIZXPAND International



facebook

搜尋人、地標和事物

張文鈺 首頁 通知



張文鈺  
編輯個人檔案

- 最愛
- 動態消息
- 收件匣訊息
- 相片
- 活動

廣告  
廣告管理員

- 粉絲專頁
- 愛好談軟體 1
- 粉絲專頁動態 20+
- 發現粉絲專頁 20+

- 社團
- Ruby on Rails 讀書會
- Nami Luffy
- Ruby Taiwan 2
- Scrum Community in ...
- 搞笑談軟工
- NoSQL Taiwan
- JavaScript.tw 8
- RGBA 討論區 1
- Redis小聚
- NTHU 中的子社團
- 欣欣戀購社團 8
- 成立社團.....

- 應用程式
- 應用程式中心 20+
- 遊戲動態 20+
- 翻譯工具



Ruby on Rails 讀書會 關於 活動 相片 檔案

撰寫貼文 新增相片/影片 提問題 新增檔案

留個言吧.....

最新貼文



Chuyi Huang

小弟第一次試做的gem,可以直接在controller呼叫javascript alert等訊息

[https://github.com/chuyihuang/js\\_info](https://github.com/chuyihuang/js_info)  
github.com

讚 · 留言 · 追蹤貼文 · 分享 · 5 小時前在 Taichung, T'ai-wan 附近

陳冠宏、Ilake Lake 和其他 2 人都說讚。 48人已看過

留言.....



陳冠宏

試用 sentry 的心得:  
exceptional 和 airbrake 都可以丟掉了 XDD (無誤)

<https://getsentry.com/welcome/>

Sentry | Exception tracking made easy  
getsentry.com

Duis mollis, est non commodo luctus, nisi erat porttitor ligula, eget lacinia odio sem nec elit. Vivamus sagittis lacus vel augue

246 位成員 (7 位新成員) · 以電子郵件邀請

+ 加成員到社團

贊助 刊登廣告

Free t-shirt for Nerds!  
newrelic.com



Try New Relic's app performance monitoring tool and we'll send you a free t-shirt!

Facebook Mobile DevCon!



Register now and spend the day with Facebook engineers in Seoul!

【耕慧國際】轉動華人創新的無限可能 (新創+創新)



想知道如何在54小時驗證自己的點子,成立自己的新創/Startup嗎? 藉由Agile/Lean Startup核心概念和百人創業周末活動,協助新創團隊加速找到成功方程式。

讚 · 葉佰蒼覺得  
轉動華人創新的無限可能 | 視野、動力、價值 | by 耕慧國際 WizXpand International (www.wizxpand.com)

# ptt.cc #Ruby 版

orig by allen033



神  
秘  
燦  
爛  
的  
紅  
寶  
石

stable version 1.9.1-p0  
<http://www.ruby-lang.org/>

請按任意鍵繼續



<http://railsfun.tw/>



[註冊](#) | [登錄](#) | [江湖浮生記](#) | [外掛](#) | [...](#)

RailsFun!!

今日: 0, 昨日: 1, 最高

主題: 105, 帖子: 546, 會員: 36, 歡迎新會員

用戶名

網站連結 >> [RSS訂閱子版開版](#)，請大家踴躍丟出手中的精選RSS:) (2009-4-7) > [RailsFun.tw網址正式啟用](#) (2009-3-13)

### 論壇主題推薦專區



#### 最新主題

#### 最新回覆

#### 本週熱門

#### 隨機精華

#### 對外連結

- |    |                                     |            |
|----|-------------------------------------|------------|
| 1  | 協同開發：Git Web Server                 | lovingcatz |
| 2  | 一個很奇怪的字串處理問題                        | chuyihuang |
| 3  | 請推薦一本javascript的好書                  | chuyihuang |
| 4  | 如何下手呢？徬徨中...                        | abraham    |
| 5  | LA公司徵ROR寫手，薪水優渥，在家上班，睡到自然醒 ...      | lovingcatz |
| 6  | 正規表示式的問題該放哪裡好                       | chuyihuang |
| 7  | 我的helloworld一直出不來，請大家幫我看一下是哪部分錯 ... | exrce      |
| 8  | RailsEnvy                           | lovingcatz |
| 9  | robbin的自言自語                         | lovingcatz |
| 10 | rails 如何以cookie傳遞中文給javascript???   | lorejasper |

#### 本論壇資訊

#### 本日

- |    |               |
|----|---------------|
| 1  | 今日發文：0 篇      |
| 2  | 昨日發文：1 篇      |
| 3  | 最高日文：56 篇     |
| 4  | 主題文章：105 篇    |
| 5  | 文章總數：546 篇    |
| 6  | 會員總數：36 人     |
| 7  | 新進會員：tw0016   |
| 8  | 線上會員：4 人      |
| 9  | 最高在線：21 人     |
| 10 | 上次瀏覽：2009-4-7 |

### 熱門標籤

[Rails](#)(17) [ruby](#)(8) [plugin](#)(4) [題目](#)(3) [RailsFun](#)(2) [讀書會](#)(2) [Google](#)(2) [rss](#)(2) [keynote](#)(2) [Fun](#)(2) [Gem](#)(2) [推廣](#)(2) [link\\_to](#)(1) [Izyblah](#)(1) [Izy](#)(1) [image](#)(1) [random](#)(1) [link\\_to\\_if](#)(1) [link\\_to\\_unless](#)(1)

# Thank you.

參考資料：

Beginning Ruby 2nd. (Apress)

Programming Ruby (The Pragmatic Programmers)

The Well-Grounded Rubyist (Manning)

Ruby 程式設計 (O'Reilly)

Foundation Rails 2 (friendsof)

<http://rubyonrails.org/ecosystem>

<http://infoether.com/ruby-and-rails-whitepaper>