

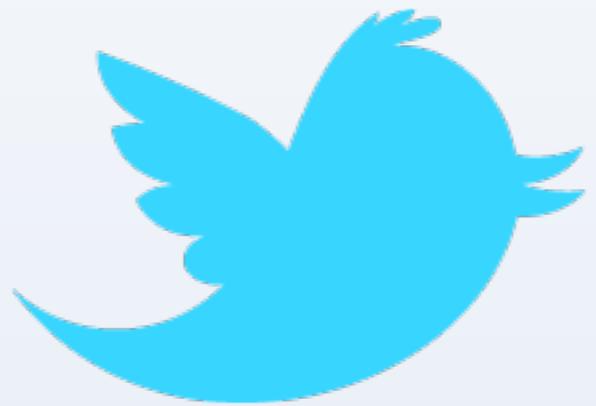
# DOCUMENTATION IS FREAKING AWESOME

a magical afternoon with Kyle Neath

**Kyle Neath is...**

A large GitHub logo watermark is visible in the background, featuring a dark blue octopus-like silhouette with white polka dots on its tentacles.

~designer  
@  
**github**  
SOCIAL CODING



@kneath



**warpspire.com**

A favorite pastime...

# **Building small projects with ruby**

**There's a library for  
almost everything**

It's not if the library exists...

**It's whether I can  
figure out how to use  
the @!&\*# thing**

# **Documentation is...**

```
#####
#
# Tags
#
#####
#
# Extract all tags into the tagmap and replace with placeholders.
#
# data - The raw String to process.
#
# Returns the placeholder'd String.
def extract_tags(data)
  data.gsub(/(.?)\[(.+?)\]\]([^\\[]?)/m) do
    $1 == '[' ? "[#{tagmap[$2]}]" : "#{$3}"
  elsif $2 == 'include?' & $3 =~ /\w+/
    $8
  else
    id = Digest::SHA1.hexdigest($2)
    @tagmap[id] = $2
    "#{$1}#{id}#{$3}"
  end
end
end
```

# Process all tags from the tagmap and replace the placeholders with the  
# final markup.

# CODE COMMENTS

# First there was RDoc

`rdoc.sourceforge.net`

*“latest via CVS”*

**Classes**

```
AbstractController
AbstractController::ActionNotFound
AbstractController::ActionNotFound
AbstractController::AssetPaths
AbstractController::Base
AbstractController::Callbacks
AbstractController::Callbacks::Class
AbstractController::Collector
AbstractController::DoubleRenderError
AbstractController::DoubleRenderError
AbstractController::Error
AbstractController::Helpers
AbstractController::Helpers::ClassMethods
AbstractController::I18nProxy
AbstractController::Layouts
AbstractController::Layouts::ClassMethods
AbstractController::Logger
AbstractController::Rendering
AbstractController::Rendering::Class
AbstractController::Translation
AbstractController::ViewPaths
AbstractController::ViewPaths::Class
ActionController
ActionController::ActionControllerError
ActionController::Base
ActionController::Base::Deprecated
ActionController::Caching
ActionController::Caching::Actions
```

**Methods**

```
& (ActiveRecord::SpawnMethods)
+ (ActiveModel::MassAssignmentSecurity)
+ (ActiveSupport::SafeBuffer)
+ (Rails::Initializable::Collection)
+ (ActiveSupport::Duration)
+ (ActiveSupport::Multibyte::Chars)
+ (ActiveSupport::TimeWithZone)
- (Time)
- (ActiveSupport::Duration)
- (ActiveSupport::TimeWithZone)
<< (Rails::Paths::Path)
<< (ActiveSupport::SafeBuffer)
<< (ActionView::OutputBuffer)
<< (ActionView::Helpers::PrototypeHelper)
<< (Rails::Paths::Root)
<=> (ActiveRecord::ConnectionAdapters::ConnectionProxy)
<=> (ActiveSupport::Multibyte::Chars)
<=> (ActiveSupport::TimeWithZone)
<=> (ActiveSupport::TimeZone)
<=> (Time)
<=> (DateTime)
==> (ActiveRecord::Base)
==> (ActiveRecord::Relation)
==> (ActiveResource::Base)
==> (ActiveResource::Request)
==> (ActionView::FileSystemResolver)
==> (Mime::Type)
```

**Ruby on Rails v3.0.3****File****README.rdoc**

Path: README.rdoc

Modified: Tue Nov 16 17:09:19 +0000 2010

# Welcome to Rails

Rails is a web-application framework that includes everything needed to create database-backed web applications according to the Model-View-Controller pattern.

This pattern splits the view (also called the presentation) into "dumb" templates that are primarily responsible for inserting pre-built data in between HTML tags. The model contains the "smart" domain objects (such as Account, Product, Person, Post) that holds all the business logic and knows how to persist themselves to a database. The controller handles the incoming requests (such as Save New Account, Update Product, Show Post) by manipulating the model and directing data to the view.

In Rails, the model is handled by what's called an object-relational mapping layer entitled Active Record. This layer allows you to present the data from database rows as objects and embellish these data objects with business logic methods. You can read more about Active Record in its [README](#).

The controller and view are handled by the Action Pack, which handles both layers by its two parts: Action View and Action Controller. These two layers are bundled in a single package due to their heavy interdependence. This is unlike the relationship between the Active Record and Action Pack that is much more separate. Each of these packages can be used independently outside of Rails. You can read more about Action Pack in its [README](#).

# Getting Started

1. Install Rails at the command prompt if you haven't yet:

```
gem install rails
```

2. At the command prompt, create a new Rails application:

```
rails new myapp
```

where "myapp" is the application name.

3. Change directory to `myapp` and start the web server:

**Files**

array.c  
bignum.c  
class.c  
compar.c  
compile.c  
complex.c  
cont.c  
debug.c  
dir.c

**Classes**

ARGF  
ArgumentError  
Array  
BasicObject  
Bignum  
Binding  
Class  
Comparable  
Complex

**Methods**

!~ (Object)  
% (Fixnum)  
% (Numeric)  
% (Bignum)  
% (String)  
% (Float)  
& (Bignum)  
& (NilClass)  
& (FalseClass)

**Class**

# ArgumentError

**In:** error.c

**Parent:** StandardError

**Ruby version:** Ruby 1.9.2

Raised when the arguments are wrong and there isn't a more specific [Exception](#) class.

Ex: passing the wrong number of arguments

```
[1, 2, 3].first(4, 5)
```

*raises the exception:*

```
ArgumentError: wrong number of arguments (2 for 1)
```

Ex: passing an argument that is not acceptable:

```
[1, 2, 3].first(-4)
```

*raises the exception:*

```
ArgumentError: negative array size
```

Ruby-doc.org is managed by [James Britt](#) and [Neurogami](#), an [avant-garage](#) software development company in Scottsdale, AZ.

Documentation content on ruby-doc.org is provided by [remarkable members](#) of the Ruby community.

For more information on the Ruby programming language, visit [ruby-lang.org](#).

Want to help improve Ruby's API docs? See [Ruby Documentation Guidelines](#).

**Then there was YARD**  
yardoc.org

**Class List**[Classes](#) | [Methods](#) | [Files](#)Search: **Top Level Namespace**[Array < Object](#)[File < Object](#)[Hash < Object](#)[Insertion < Object](#)[Module < Object](#)[String < Object](#)[SymbolHash < Hash](#)**YARD**[▶ CLI](#)[▶ CodeObjects](#)[Config < Object](#)[Docstring < String](#)[▶ Handlers](#)[Logger < Logger](#)[▶ Parser](#)[▶ Rake](#)[Registry](#)[RegistryStore < Object](#)[▶ Serializers](#)[▶ Server](#)[▶ Tags](#)[▶ Templates](#)[Verifier < Object](#)

# YARD: Yay! A Ruby Documentation Tool

**Homepage:** <http://yardoc.org>**IRC:** [#yard](irc.freenode.net)**Git:** <http://github.com/lsegal/yard>**Author:** Loren Segal**Contributors:** See Contributors section below**Copyright:** 2007–2010**License:** MIT License**Latest Version:** 0.6.4 (codename "Snowy White Picket Fences")**Release Date:** December 21st 2010**Table of Contents (left)****1. Synopsis****2. Feature List****3. Installing****4. Usage**

1. Generating Documentation

2. Queries

3. Live Reloading

4. Serving Gems

**5. Changelog****6. Contributors****7. Copyright**

## Synopsis

YARD is a documentation generation tool for the Ruby programming language. It enables the user to generate consistent, usable documentation that can be exported to a number of formats very easily, and also supports extending for custom Ruby constructs such as custom class level definitions. Below is a summary of some of YARD's notable features.

## Feature List

**1. RDoc/SimpleMarkup Formatting Compatibility:** YARD is made to be compatible with RDoc formatting. In fact, YARD does no processing on RDoc documentation strings, and leaves this up to the output generation tool to decide how to render the documentation.

**2. Yardoc Meta-tag Formatting Like Python, Java, Objective-C and other languages:** YARD uses a '@tag' style definition syntax for meta tags alongside regular code documentation. These tags should be able to happily sit side by side RDoc formatted documentation, but provide a much more consistent and usable way to describe important information about objects, such as what parameters they take and what types they are expected to be, what type a method should return, what exceptions it can raise, if it is deprecated, etc.. It also allows information to be better (and more consistently) organized during the output generation phase. You can find a list of tags in the [Tags.md](#) file.

YARD also supports an optional "types" declarations for certain tags. This allows the developer to document type signatures for ruby methods and parameters in a non intrusive but helpful and consistent manner. Instead of describing this data in the body of the description, a developer may formally declare the parameter or return type(s) in a single line. Consider the following Yardoc'd method:

**And of course TomDoc**  
[tomdoc.org](http://tomdoc.org)

A man with curly brown hair and a beard, wearing a blue t-shirt and shiny silver shorts, is holding a yellow spray paint can. He is wearing a headband with a red circular emblem and has metallic arm bands. He is looking directly at the camera with a slight smile.

**FACT**

**TomDoc will save the world**

Photo Credit: Claude Nix

A man with curly brown hair and a beard is wearing a blue t-shirt and shiny silver leggings. He is holding a yellow rubber duck in his hands. He is looking directly at the camera with a slight smile. The background is a solid dark grey.

Unless you want  
generated docs

Photo Credit: Claude Nix

**YARD & RDoc are  
highly structured**

```
# Reverses the contents of a String or IO object.  
#  
# @param [String, #read] contents the contents to reverse  
# @return [String] the contents reversed lexically  
def reverse(contents)  
  contents = contents.read if respond_to? :read  
  contents.reverse  
end
```

**TomDoc is lightly  
structured**

```
# Extract all code blocks into the codemap and replace  
# with placeholders.  
#  
# data - The raw String data.  
#  
# Returns the placeholder'd String data.  
def extract_code(data)  
    ...  
end
```

**Also, tools like docco  
rocco, pycco, shocco**

## Main Documentation Generation Functions

Generate the documentation for a source file by reading it in, splitting it up into comment/code sections, highlighting them for the appropriate language, and merging them into an HTML template.

Given a string of source code, parse out each comment and the code that follows it, and create an individual **section** for it. Sections take the form:

```
{
  docs_text: ...
  docs_html: ...
  code_text: ...
  code_html: ...
}
```

Highlights a single chunk of CoffeeScript code, using [Pygments](#) over stdio, and runs the text of its corresponding comment through [Markdown](#), using the Github-flavored-[Markdown](#) modification of [Showdown.js](#).

We process the entire file in a single call to Pygments by inserting little marker comments between each section and then splitting the result string wherever our markers occur.

```
generate_documentation = (source, callback) ->
  fs.readFile source, "utf-8", (error, code) ->
    throw error if error
    sections = parse source, code
    highlight source, sections, ->
      generate_html source, sections
    callback()

parse = (source, code) ->
  lines    = code.split '\n'
  sections = []
  language = get_language source
  has_code = docs_text = code_text = ''

  save = (docs, code) ->
    sections.push docs_text: docs, code_text: code

  for line in lines
    if line.match language.comment_matcher
      if not (line.match language.comment_filter)
        if has_code
          save docs_text, code_text
          has_code = docs_text = code_text = ''
          docs_text += line.replace(language.comment_matcher, '') + '\n'
        else
          has_code = yes
          code_text += line + '\n'
    save docs_text, code_text
  sections

highlight = (source, sections, callback) ->
  language = get_language source
  pygments = spawn 'pygmentize', ['-l', language.name, '-f', 'html', '-0', 'encoding=utf-8']
  output   = ''
  pygments.stderr.addListener 'data', (error) ->
    console.error error if error
  pygments.stdout.addListener 'data', (result) ->
    output += result if result
  pygments.addListener 'exit', ->
    output = output.replace(highlight_start, '').replace(highlight_end, '')
    fragments = output.split language.divider_html
    for section, i in sections
      section.code_html = highlight_start + fragments[i] + highlight_end
      section.docs_html = showdown.makeHtml section.docs_text
    callback()
  pygments.stdin.write((section.code_text for section in sections).join(language.divider_text))
  pygments.stdin.end()
```



## Main Documentation Generation Functions

Generate the documentation for a source file by reading it in, splitting it up into comment/code sections, highlighting them for the appropriate language, and merging them into an HTML template.

Given a string of source code, parse out each comment and the code that follows it, and create an individual **section** for it. Sections take the form:

```
{  
    docs_text: ...  
    docs_html: ...  
    code_text: ...  
    code_html: ...  
}
```

```
generate_documentation = fs.readFile source, "utf8"
    throw error if error
  sections = parse source
  highlight source, sections
  generate_html source, sections
  callback()

parse = (source, code) ->
  lines      = code.split "\n"
  sections   = []
  language   = get_language()
  has_code   = docs_text = []

  save = (docs, code) ->
    sections.push docs_text: code

  for line in lines
    if line.match language
      if not (line.match /\n/)
        if has_code
          save docs_text, code
          has_code = false
        docs_text += line
      else
        save docs_text, line
        has_code = true
```

```
generate_documentation = (source, callback) ->
  fs.readFile source, "utf-8", (error, code) ->
    throw error if error
    sections = parse source, code
    highlight source, sections, ->
      generate_html source, sections
    callback()

parse = (source, code) ->
  lines    = code.split '\n'
  sections = []
  language = get_language source
  has_code = docs_text = code_text = ""

  save = (docs, code) ->
    sections.push docs_text: docs, code_text: code

  for line in lines
    if line.match language.comment_matcher
      if not (line.match language.comment_filter)
        if has_code
          save docs_text, code_text
          has_code = docs_text = code_text = ""
        docs_text += line.replace(language.comment_matcher, "") + '\n'
```

**Code comments are  
just the start**

**AN AWESOME  
WEBSITE**

# Does your project Google?

ruby version manager



Search

About 542,000 results (0.14 seconds)

[Advanced search](#)

## ► [RVM: Ruby Version Manager - RVM Ruby Version Manager - Documentation](#) - 3

visits - 8/17/10

**RVM** is a command line tool which allows us to easily install, manage and work with multiple ruby environments from interpreters to sets of gems. ...

[rvm.beginrescueend.com/](#) - Cached - Similar

[Installation](#)

[Basics](#)

[Gemsets](#)

[Installing Rubies](#)

[Upgrading](#)

[Ubuntu](#)

[JRuby \(jruby\)](#)

[Automatic Gemset Initialization](#)



v0.9 v1.0

Fork me on GitHub

The best way to manage your application's dependencies

# Bundler

Bundler manages an **application's dependencies** through its entire life across many machines systematically and repeatably.

## I am interested in

---

[Reporting a Bug](#)[Understanding Bundler](#)[Gemfile Manual](#)[CLI Manual](#)

## Getting Started

---

Getting started with bundler is easy

```
$ gem install bundler
```

If you're on an old version of Rubygems (before 1.3.6)



v0.9 v1.0

Fork me on GitHub

# What it does

The best way to manage your application's dependencies

# Bundler



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v0.9 v1.0

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---

[Reporting a Bug](#)

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[Gemfile Manual](#)

[CLI Manual](#)

# Getting Started

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---

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v0.9 v1.0

# What it does

The best way to manage your application's dependencies

# Bundler

## How to Contribute

Bundler manages an **application's dependencies** through its entire life across many machines systematically and repeatably.

I am interested in

Reporting a Bug

Understanding Bundler

Gemfile Manual

CLI Manual

# Getting Started

Getting Started

Getting started with bundler is easy

\$ gem install bundler

If you're on an old version of Rubygems (before 1.3.6)



Fork me on GitHub



v0.9 v1.0

# What it does

The best way to manage your application's dependencies

# Bundler

## How to Contribute



Fork me on GitHub



## Bug Reports

I am interested in



Reporting a Bug

Understanding Bundler

Gemfile Manual

CLI Manual

## Getting Started

Getting Started



Getting started with bundler is easy

\$ gem install bundler

v0.9 v1.0

# What it does

The best way to manage your application's dependencies

# Bundler

## How to Contribute



Fork me on GitHub

## Bug Reports

I am interested in

Reporting a Bug

Understanding Bundler

Gemfile Manual

CLI Manual

## Getting Started

Getting Started

Getting started with bundler is easy

\$ gem install bundler

## More Documentation

v0.9 v1.0

## Multiple Versions

## What it does

## How to Contribute

## Bug Reports

I am interested in

Reporting a Bug

Understanding Bundler

Gemfile Manual

CLI Manual

## Getting Started

Getting Started

Getting started with bundler is easy

\$ gem install bundler

## More Documentation



v0.9 v1.0

Fork me on GitHub

The best way to manage your application's dependencies

# Bundler



(plus, it's pretty)

Bundler manages an application's dependencies through its entire life across many machines systematically and repeatably.

I am interested in

[Reporting a Bug](#)[Understanding Bundler](#)[Gemfile Manual](#)[CLI Manual](#)

## Getting Started

---

Getting started with bundler is easy

```
$ gem install bundler
```

If you're on an old version of Rubygems (before 1.3.6)

**Great place to post  
long form tutorials**

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 (v3.0.3)

These are the new guides for Rails 3. The guides for Rails 2.3 are still available at <http://guides.rubyonrails.org/v2.3.8/>.

These guides are designed to make you immediately productive with Rails, and to help you understand how all of the pieces fit together.



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.

### 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 and organized manner.

#### [Active Record Validations and Callbacks](#)

This guide covers how you can use Active Record validations and callbacks.

#### [Active Record Associations](#)

This guide covers all the associations provided by Active Record.

**AN AWESOME  
README**

# First Contact

# **Elements of a great README**

**Description**

**Installation Instructions**

**Links to more Docs**

**How to Contribute**

**Credits, Alternatives**

**Think about writing  
your README first**

(readme driven development)

**LOTS AND LOTS OF  
MAN PAGES**

A close-up photograph of a man with light brown hair and a beard. He is wearing a dark blue beanie with three horizontal yellow stripes. A white cigarette is in his mouth, and he is looking slightly upwards and to the right with a thoughtful expression. The background is blurred, showing what appears to be a marina or waterfront area at dusk or night.

**WTF is a  
man page?**

Photo Credit: Tom Preston-Werner

# **Documentation for UNIX tools**

(command line programs)

# ~\$ man rails

```
~ — less — 121x28
RAILS(1)          BSD General Commands Manual        RAILS(1)

NAME
  rails -- Web-application framework

SYNOPSIS
  rails path [options...]

DESCRIPTION
  Rails is a web-application and persistence framework that includes everything needed to create database-backed web-applications according to the Model-View-Control pattern of separation. This pattern splits the view (also called the presentation) into "dumb" templates that are primarily responsible for inserting pre-built data in between HTML tags. The model contains the "smart" domain objects (such as Account, Product, Person, Post) that holds all the business logic and knows how to persist themselves to a database. The controller handles the incoming requests (such as Save New Account, Update Product, Show Post) by manipulating the model and directing data to the view.

  Rails is written with the ruby(1) language. For more information about Rails you can use its ---help flag. There is also online documentation available at "http://rubyonrails.org".

SEE ALSO
  ruby(1) mongrel_rails(1) cap(1)

AUTHORS
  Rails was created by David Heinemeier Hansson <david@loudthinking.com> then extended and improved by hundreds of open-source contributors.
```

# Many sections

```
~$ man 5 mustache
```

`mustache(5)` - Mustache Syntax

`mustache(1)` - Usage of `mustache`

# BIG CAVEAT

gems don't install man  
pages :(

check out gem-man instead

# **Documentation is...**

# **CODE COMMENTS**

**Available with the source**

**Great for Contributors**

# **AWESOME WEBSITE**

## **Google Juice**

### **Command center for docs**

# **AWESOME README**

**Available with the source**

**First contact with docs**

# **LOTS OF MAN PAGES**

**Available in terminal**

**First place UNIX nerds look**

Documentation is...

**A Great  
Marketing Tool**

**First contact with your  
project**

(make it count!)

**More Docs**

=

**Better Perceived Quality**

**More Docs**  
=   
**Easier To Learn**

**More Docs**  
=   
**Easier To Contribute**

tldr;  
**More People Using Your  
Project**

# **“Top ten reasons why I wont use your open source project”**



**Wynn Netherland**  
pengwynn

# **REASON #1**

**You don't have a  
friggin' Readme**

# **REASON #3**

**You have no project  
home page**

**Documentation is  
important marketing**

Documentation is...  
**Therapeutic**

**Forces you to  
slow down**

**Puts you into a  
different mindset**

**Forces you to  
question your code**

**Explaining code often  
reveals flaws**

(like an invisible pairing partner)

**It can also be a great  
stress reliever**

sometimes code just sucks

# Knowing how someone *feels* about code is valuable

```
# XXX: I hate myself and want to die.  
# --rtomayko 2010-05-27
```

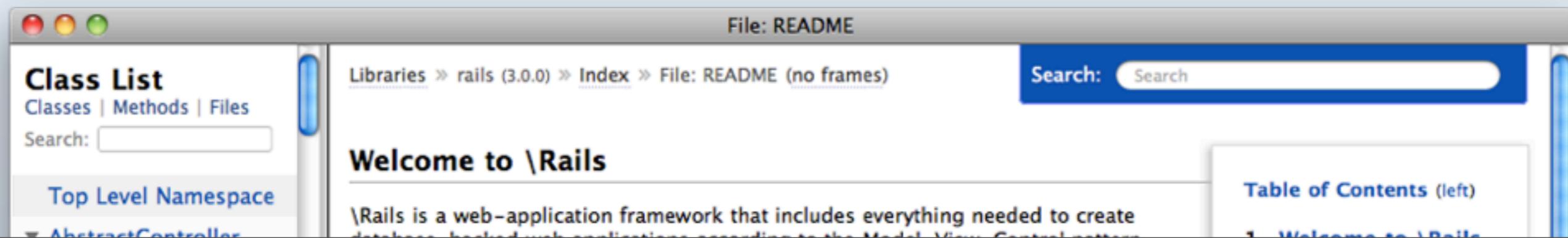
At the end of the day...

**Writing documentation  
produces higher quality code**

# Documentation **Hacks & Tools**

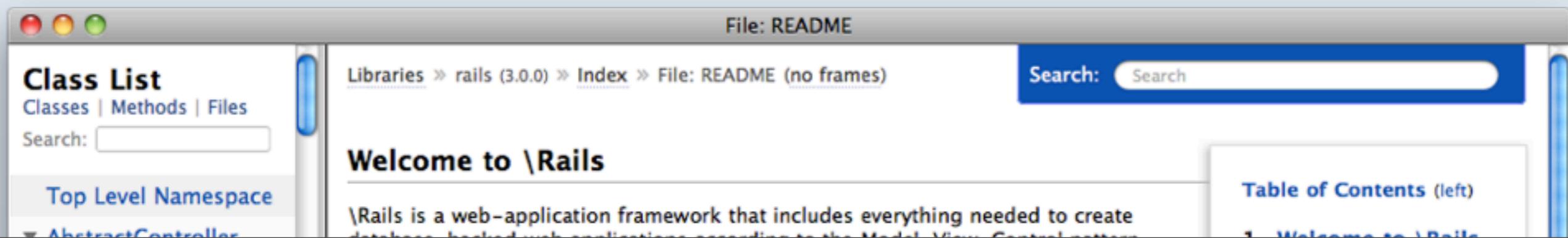
# rdoc.info

## Automatic YARD Generation



# rdoc.info

## GitHub Integration (generate docs on push)





## Class List

[Classes](#) | [Methods](#) | [Files](#)

Search:

[Top Level Namespace](#)

▼ [AbstractController](#)

[ActionNotFound](#) < StandardError

[AssetPaths](#)

[Base](#) < Object

► [Callbacks](#)

[Collector](#)

[DoubleRenderError](#) < StandardError

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▼ [ActionController](#)

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► [Base](#) < Metal

► [Caching](#)

► [Compatibility](#)

[ConditionalGet](#)

[Cookies](#)

[Dispatcher](#) < Object

[Flash](#)

## Welcome to \Rails

\Rails is a web-application framework that includes everything needed to create database-backed web applications according to the Model–View–Control pattern.

This pattern splits the view (also called the presentation) into "dumb" templates that are primarily responsible for inserting pre-built data in between HTML tags. The model contains the "smart" domain objects (such as Account, Product, Person, Post) that holds all the business logic and knows how to persist themselves to a database. The controller handles the incoming requests (such as Save New Account, Update Product, Show Post) by manipulating the model and directing data to the view.

In \Rails, the model is handled by what's called an object-relational mapping layer entitled Active Record. This layer allows you to present the data from database rows as objects and embellish these data objects with business logic methods. You can read more about Active Record in its [README](#).

The controller and view are handled by the Action Pack, which handles both layers by its two parts: Action View and Action Controller. These two layers are bundled in a single package due to their heavy interdependence. This is unlike the relationship between the Active Record and Action Pack that is much more separate. Each of these packages can be used independently outside of \Rails. You can read more about Action Pack in its [README](#).

## Getting Started

1. Install \Rails at the command prompt if you haven't yet:

```
gem install rails
```

2. At the command prompt, create a new \Rails application:

```
rails new myapp
```

where "myapp" is the application name.

3. Change directory to myapp and start the web server:

```
cd myapp; rails server
```

Run with --help for options.

4. Go to [localhost:3000/](http://localhost:3000/) and you'll see:

```
"Welcome aboard: You're riding Ruby on Rails!"
```

5. Follow the guidelines to start developing your application. You can find the following resources handy:

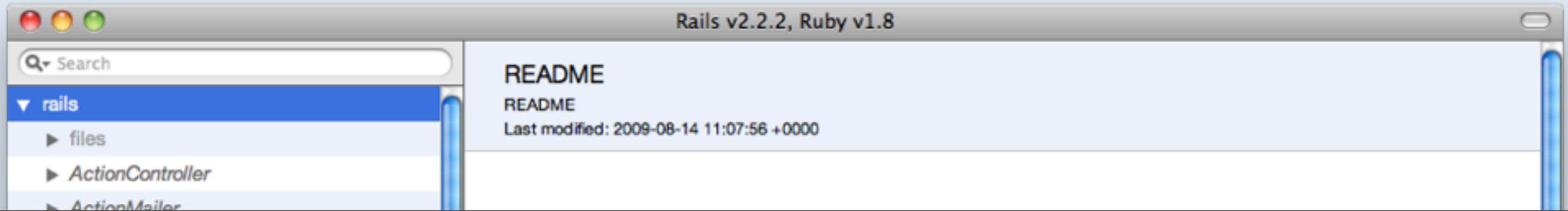
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# **railsapi.com**

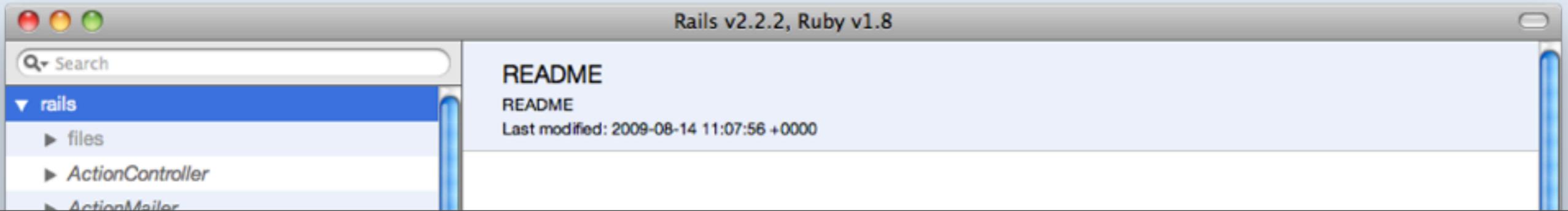
## **Awesome find-as-you-type Ruby/Rails/Gem Docs**



# **railsapi.com**

## **Downloadable**

## **Combines Multiple Docs**



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## README

### README

Last modified: 2009-08-14 11:07:56 +0000

## Welcome to Rails

Rails is a web-application framework that includes everything needed to create database-backed web applications according to the Model-View-Controller pattern.

This pattern splits the view (also called the presentation) into "dumb" templates that are primarily responsible for inserting pre-built data in between HTML tags. The model contains the "smart" domain objects (such as Account, Product, Person, Post) that holds all the business logic and knows how to persist themselves to a database. The controller handles the incoming requests (such as Save New Account, Update Product, Show Post) by manipulating the model and directing data to the view.

In Rails, the model is handled by what's called an object-relational mapping layer entitled Active Record. This layer allows you to present the data from database rows as objects and embellish these data objects with business logic methods. You can read more about Active Record in [files/vendor/rails/activerecord/README.html](#).

The controller and view are handled by the Action Pack, which handles both layers by its two parts: Action View and Action Controller. These two layers are bundled in a single package due to their heavy interdependence. This is unlike the relationship between the Active Record and Action Pack that is much more separate. Each of these packages can be used independently outside of Rails. You can read more about Action Pack in [files/vendor/rails/actionpack/README.html](#).

## Getting Started

1. At the command prompt, start a new Rails application using the rails command and your application name. Ex: rails myapp
2. Change directory into myapp and start the web server: script/server (run with –help for options)
3. Go to [localhost:3000/](http://localhost:3000/) and get "Welcome aboard: You're riding the Rails!"
4. Follow the guidelines to start developing your application

## Web Servers

By default, Rails will try to use Mongrel and lighttpd if they are installed, otherwise Rails will use WEBrick, the webserver that ships with Ruby. When you run script/server, Rails will check if Mongrel exists, then lighttpd and finally fall back to WEBrick. This ensures that you can always get up and running quickly.

**railsapi**

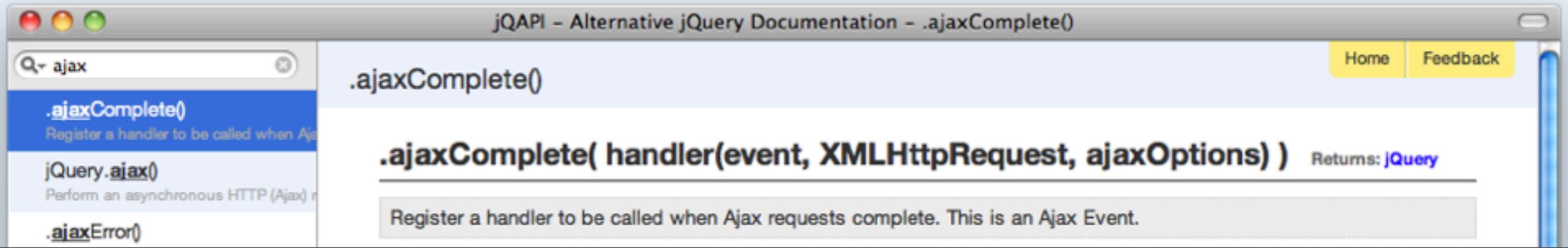
+

**Fluid.app**

**Awesome offline Ruby &  
Rails documentation**

# jqapi.com

Like railsapi.com, but for  
jQuery



# ronn

[github.com/rtomayko/ronn](https://github.com/rtomayko/ronn)

## Write man pages in markdown

# man pages are written in roff

```
.br
\fB\ronn\fR < \fIfile\fR
.
.SH "DESCRIPTION"
\fBRonn\fR converts textfiles to standard roff-
formatted UNIX manpages or HTML. \fB\ronn\fR(7) is
based on \fB\markdown\fR(7) but includes additional rules
and syntax geared toward authoring manuals.
.
```

# man pages are written in roff

```
.br
\fB\ronn\fR < \fIfile\fR
.
.SH "DESCRIPTION"
\fBRonn\fR converts textfiles to standard roff-
formatted UNIX manpages or HTML. \fB\ronn\fR(7) is
based on \fB\markdown\fR(7) but includes additional rules
and syntax geared toward authoring manuals.
.
```

**but roff is dumb**

# use ronn instead

```
## DESCRIPTION
```

**\*\*Ronn\*\*** converts textfiles to standard roff-formatted UNIX manpages or HTML. `ronn-format(7)` is based on `markdown(7)` but includes additional rules and syntax geared toward authoring manuals.

## Get HTML generation for free

**NAME**

**mustache** -- Logic-less templates.

**SYNOPSIS**

A typical Mustache template:

```
Hello {{name}}
You have just won ${{value}}!
{{#in_ca}}
Well, ${{taxed_value}}, after taxes.
{{/in_ca}}
```

Given the following hash:

```
{
  "name": "Chris",
  "value": 10000,
  "taxed_value": 10000 - (10000 * 0.4),
  "in_ca": true
}
```

Will produce the following:

```
Hello Chris
You have just won $10000!
Well, $6000.0, after taxes.
```

**DESCRIPTION**

Mustache can be used for HTML, config files, source code - anything. It works by expanding tags in a template using values provided in a hash or object.

We call it "logic-less" because there are no if statements, else clauses, or for loops. Instead there are only tags. Some tags are replaced with a value, some nothing, and others a series of values. This document

# **Final Thoughts**

**Documentation is a lot  
more than RDoc**

**Documenting should be  
something you want to do**

ProTip: It's not a guilt trip

**Documenting is a great  
marketing tool**

**Documenting helps you  
write better code**

**... and always keep an offline  
version of your docs**

Fin.

**[warpspire.com/talks/documentation](http://warpspire.com/talks/documentation)**