



# Ruby on Rails

Sustainable productivity for web-application development

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WEB SITES

## The Hottest Hacker on Earth

David Heinemeier Hansson could be mistaken for a Gap model. The Danish 26-year-old's blog is filled with glam photos of himself, his friends at parties, and his hot girlfriend. But Hansson is actually the first Google-O'Reilly hacker of the year (2005), an über-geeky nod for producing Ruby on Rails.

RoR establishes a simple, open source framework for using the equally simple programming language Ruby. In RoR, commands look like sentences, and limited choices make it tough for Web developers to get lost or tangled up in code. As a partner at 37signals in Chicago, Hansson uses RoR to write software for the popular project-management tools Basecamp and Backpack.

RoR also makes it easy for developers to work with AJAX (short for Asynchronous JavaScript and XML), the technology that lets them do cool stuff like move folders and scroll through maps on a Web page. "It's like a color-by-numbers system," says Derek Sivers, founder of CD Baby, who's rebuilding his entire site with RoR. And that's been Hansson's goal all along – to fundamentally remake the way Web sites are built. As he puts it, "We've already slaughtered a whole herd of holy cows." – **Nicholas Thompson**

Wired - April 2006



“Ruby on Rails™ is an open-source web framework that’s optimized for programmer happiness and sustainable productivity.”

# Convention

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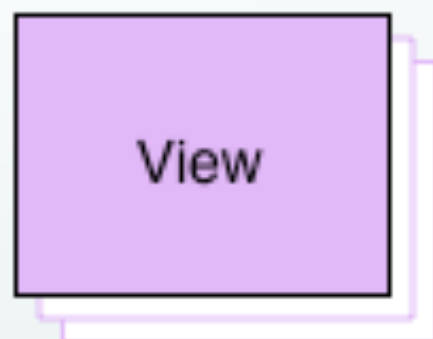
# Configuration







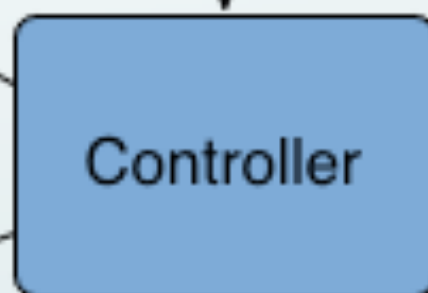
**ActionView**  
ooh, pretty pictures!



**ActionRecord**  
here be data



incoming request



**ActionController**  
kinda like my ex

**Rails Components and MVC**



```
class Post < ActiveRecord::Base
  belongs_to :weblog
  has_many :comments
  has_one :author, :class => "Person"
end
```



```
class WeblogController < ActionController
  def show
    @post = Post.find(params[:id])
  end
end
```



C<sub>reate</sub> R<sub>ead</sub> U<sub>pdate</sub> D<sub>ele</sub>te

R<sub>E</sub>presentational S<sub>tate</sub> T<sub>ransfert</sub>



GET	POST	PUT	DELETE	HTTP
find	create	update	destroy	ruby
SELECT	INSERT	UPDATE	DELETE	SQL



```
class PeopleController < ActionController
  # POST /people
  def create() end

  # GET /people/1
  def show() end

  # PUT /people/1
  def update() end

  # DELETE /people/1
  def destroy() end

end
```



# Demo

CBS has partnered with sites including AOL, Joost, Sling Media, YouTube, MSNBC and Bebo

Viewership for CBS material subsequently skyrocketed from **24 million** in May to **134 million** in July 2007

[http://www.wired.com/techbiz/media/news/2007/10/nbc\\_itunes](http://www.wired.com/techbiz/media/news/2007/10/nbc_itunes)



## Developer Area

YouTube offers open access to key parts of the YouTube video repository and user community via a Google data ("GData") API.

Get started with YouTube's new API at [code.google.com](http://code.google.com)

Share solutions on the [YouTube API Developer Forum](#)

Keep updated with the [API Announcement Blog](#)

Use our [RSS Feeds](#)

## Legacy API Information

The older API is still functional, but officially deprecated. If you're developing new projects on the YouTube platform, we strongly recommend using the new API to ensure support.

- See the [migration guide](#) for more info if you already have a website or app based on the Legacy API and want to update it.
- [Documentation](#) for deprecated APIs

## Sample Projects

Here are some examples of what people built with the old APIs. What can you do with the new API? Share your project with us on the [forum](#)!

- [YouTube Fast Search](#)  
Integrates search & play on a single page, gives preview of videos on mouseover, and more.
- [YouTube Coverpops](#)  
Creates a mosaic of video stills; mouse over the one you want to pop up and watch.
- [YouTube Badge Maker](#)  
Makes a code snippet that you can add to your website that shows stills from your six latest-uploaded videos.
- [Virtual Video Map](#)  
Integrates video location with Google Maps—click on the map marker to see a video from that location.
- [YouTube Video Gallery Plugin](#)  
Enables easy setup of video embeds and galleries into WordPress blogs, using video IDs.