

# Mack Framework

A(nother) Ruby Web Application Framework

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version 0.5.0

# Who am I?

## Mark Bates

- Director of Architecture for Helium.com
- Ruby developer for almost three years
- Before that Java/JSP (Struts, Hibernate, Spring, etc...)
- Honors degree in Music.

# Why?

Were you just bored one day?

No.

# Why?

Is it because you're an egotist who  
wants the world to love him?

Maybe.

# Why?

Is it because your therapist  
said that listening to this  
man was driving you crazy?

RUBY | OPENSSE | RUBY ON RAILS | OPENSSE | RUBY GEMS | SONAR

# LINUX JOURNAL

Since 1994: The Original Magazine of the Linux Community  
JULY 2006 | ISSUE 147 | www.linuxjournal.com

## Ruby

Everywhere,  
Including Rails

Getting  
Started  
with Ruby

Ruby the  
Enterprise Glue

Rails and  
More Rails

Ruby Has  
Many Gems

UNDER-ICE  
Sonar  
Visualizations

Ruby on Rails creator  
<< David  
Heinemeier  
Hansson

PLUS  
Creating a  
Searchable Site  
Mashups  
Game Rubies

That certainly didn't help.



# What is Mack?

- A Ruby web application framework, obviously.
- Integrates best of breed technologies.
- Distributed applications.
- RESTful.
- Modular.
- **Fast.**

# Framework

- Similar in structure to Rails.
- Similar in 'concept' to Merb.
- Uses the Rack library at its core.
- Multi-threaded

# Best of Breed

- Rack
- Thin
- Erubis
- DataMapper
- Cachetastic

# Distributed

- Rinda/DRb
- Distributed Routes!
- Distributed models and views. (Coming soon)
- Trusted Application API hooks. (Coming soon)

# RESTful

```
Mack::Routes.build do |r|  
  r.resource :users  
end
```

URL	VERB	Action	Helper
/users	GET	index	users_index_url
/users	POST	create	users_create_url
/users/new	GET	new	users_new_url
/users/:id	GET	show	users_show_url
/users/:id/edit	GET	edit	users_edit_url
/users/:id	PUT	update	users_updated_url
/users/:id	DELETE	delete	users_delete_url

# RESTful

```
Mack::Routes.build do |r|
  r.with_options(:controller => :greetings) do |map|
    map.say_hi "/greet/hi", :action => :say_hi
    map.say_bye "/greet/bye", :action => :bye_bye,
                             :method => :delete
  end
  r.connect "/old_blog", :redirect_to => "/blog",
                :status => 301
  r.comments_admin "/admin/comments",
                  :controller => "admin/comments"
end
```

URL	VERB	Action	Helper
/greet/hi	GET	say_hi	say_hi_url
/greet/bye	DELETE	bye_bye	say_bye_url
/old_blog	GET	N/A	N/A
/admin/comments	GET	index	comments_admin_url

# Modular

- Plugin support
- Modular ORM support.
- DataMapper support native.
- ActiveRecord available via the `rack-active_record` gem
- “Roll your own” ORM gem and plug it in.
- Pluggable ‘render’ options. (:action, :url, :xml, etc...)  
(Next Release)
- Support for ERB alternative templating languages, HAML, Markaby, etc... (Next Release)

# Fast.

Benchmarks show that Mack is nearly twice as fast as Ruby on Rails, right out of the box!

Thanks, in part to:

- Thin
- Rack
- Erubis
- Simplicity

# Resources

- <http://www.mackframework.com>
- <http://github.com/markbates>
- <http://groups.google.com/group/mack-framework>

Thank you.