

Rubinius, Rails 3.1, and  
Engine Yard AppCloud. Oh  
my!

Aloha.rb - July 29, 2011

# Rails 3 in Action and Well-Grounded Rubyist

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Enter **dotd0728cc** in the Promotional Code box when you check out at [manning.com](http://manning.com).

Use this same code to save 44% on [\*Well-Grounded Rubyist\*](#) and [\*Rails 3 in Action\*](#)

# What is Rubinius?

Rubinius is software that translates the code for Ruby and turns it into efficient machine code. Wherever possible Rubinius is written in Ruby. Where not possible (yet), it's C++.

website: [rubini.us](http://rubini.us)

Rubinius 1.0 - 1.2.5 = Ruby MRI 1.8.x support

Rubinius 2.0 - 1.8.x and 1.9 support - Currently in Developer Preview

Deploy-able with Phusion Passenger 3.0 beta on EngineYard's AppCloud

`rvm install rbx`

# Compatibility

Everything is likely compatible

c-extensions may be problematic but likely due to 2 reasons.

- bad c code
- not yet implemented c function

[isitrubinius.com](http://isitrubinius.com) to check and report compatibility

# Why Rubinius?

Engine Yard's webinar - "Ruby Platform Options Throwdown | MRI, Rubinius and JRuby" - <http://vimeo.com/26773441>

Tools, Concurrency, and performance.

Runs on EngineYard AppCloud - <http://docs.engineyard.com/rubinius.html>

# Rails 3.1 - What's up?

Currently on Release Candidate 5

- Hackfest this past weekend to contribute and finalize

CoffeeScript addition

jQuery by default instead of prototype

SASS - by default

Asset Packaging with Sprockets

HTTP Streaming

Identity Map - in memory cache to prevent dup calls to db

More - <http://railscasts.com/episodes/265-rails-3-1-overview>

Giant list thanks to Ryan Bates - <https://gist.github.com/958283>

# Rails 3.1 Schedule

Monday August 8th: Rails 3.1.0.rc6

Monday August 22nd: Rails 3.1.0

RailsCasts - Rails 3.1 Overview

<http://railscasts.com/episodes/265-rails-3-1-overview>

# Rails 3.1 on Heroku and AppCloud

Heroku's Cedar stack currently supports Rails 3.1 in alpha

[http://devcenter.heroku.com/articles/rails31\\_heroku\\_cedar](http://devcenter.heroku.com/articles/rails31_heroku_cedar)

By default, Rails 3.1 includes the following setting in `config/environments/production.rb`:

```
config.action_dispatch.x_sendfile_header = "X-Sendfile"
```

This setting is incompatible with Heroku and will cause compiled and static assets to fail to load. To fix this, change this setting to:

```
config.action_dispatch.x_sendfile_header = nil
```



# Gemfile changes from RC5

```
source 'http://rubygems.org'  
gem 'rails', '3.1.0.rc5'  
gem 'pg'
```

```
# Asset template engines
```

```
group :assets do  
  gem 'sass-rails', "~> 3.1.0.rc"  
  gem 'coffee-script'  
  gem 'uglifyer'  
end
```

```
gem 'jquery-rails' # Use unicorn as the web server
```

```
# gem 'unicorn' - USE SOMETHING! 'thin', 'mongrel', else heroku =  
webbrick
```

```
group :test do # Pretty printed test output  
  gem 'turn', :require => false  
end
```

# Engine Yard AppCloud

What is it?

- platform for web apps. Similar to Heroku and Google AppEngine.

gem install engineyard

Migrating from Heroku

- <https://github.com/engineyard/engineyard-migrate>

# AppCloud Pros

- Ruby, JRuby and Rubinius support
- Runs on Amazon EC2
- Prefers MySQL but supports PostgreSQL as well.
- Supports option to configure servers
- Supports choosing EC2 regions of server
- SSH support
- Migration tool - CLI gem just like Heroku
- Tech Support is great
- Large Community Sponsor
  - Dr. Nic Williams, Evan Phoenix, Nic Sieger, Wayne Sequin, Charles Nutter, etc.
  - Consistent giving back to Ruby community

# AppCloud Cons

More config than Heroku

Addons not as nice as Heroku

Free-tier not as powerful as Heroku and AppEngine

No ey console

```
cd /data/your_app/current  
ey_bundler_binstubs/rails console
```

# AppCloud Notes

PostgreSQL 9 on AppCloud

<http://docs.engineyard.com/using-postgresql-9-with-appcloud.html>

Rubinius on AppCloud

<http://docs.engineyard.com/rubinius.html>

EngineYard's Rubinius in Depth - <http://pages.engineyard.com/Rubinius2InDepth.html>

# Aloha

The aloha.rb group would like to say Mahalo and Aloha to

Mark Johnson

Have a great year traveling!

Hope to see you back in a year! :)