Eals English

Doing it wrong. And then right.



Omreynolds

Why Engines?

Extend your app with reusable models, controllers, views, helpers, routes, locales and tasks.

Rails.Engine - Rails.Railte

Wilats a Rallte?

- · Core of the framework
- Provides hooks to extend Rails
- ActiveRecord, ActionController etc. are all Railties

Windis an Employer then

It's just a Railtie With some defaults.

- · CMS
- · Admin Frontend
- o Translation Frontend

Our problem

- Build a vocabulary and thesauraus management system
- Adjust and extend it for every customer without forking it

github.com/innog/igvoc

Fisiapproact

- o iquoc as main app
- · Vendor logic as engine

The problem

- o Could not act as a standalone app
- Always had to be plugged into a main app

Second approach

- · Vendor logic as main app
- o iQvoc as engine (and app)

The problem

- A Rails 3.0 Engine can not act as a standalone app by default (requires customization)
- No out-of-the-box support for migrations, assets etc.



Wait for Rails 3.1

Iust hack it.

do you need

ZCE AS AND CNUSTED SEE

```
# lib/engine.rb
module Iqvoc

class Engine < Rails::Engine
end</pre>
```

...OILY II WE WAIL to

```
# config/initializers/iqvoc.rb
unless Iqvoc.const_defined?(:Application)
   require File.join(File.dirname(__FILE__), '../../lib/engine')
end

# config/application.rb
module Iqvoc
   class Application < Rails::Application</pre>
```

Upnext: Engine tasks

```
# lib/engine.rb
class Engine < Rails::Engine</pre>
```

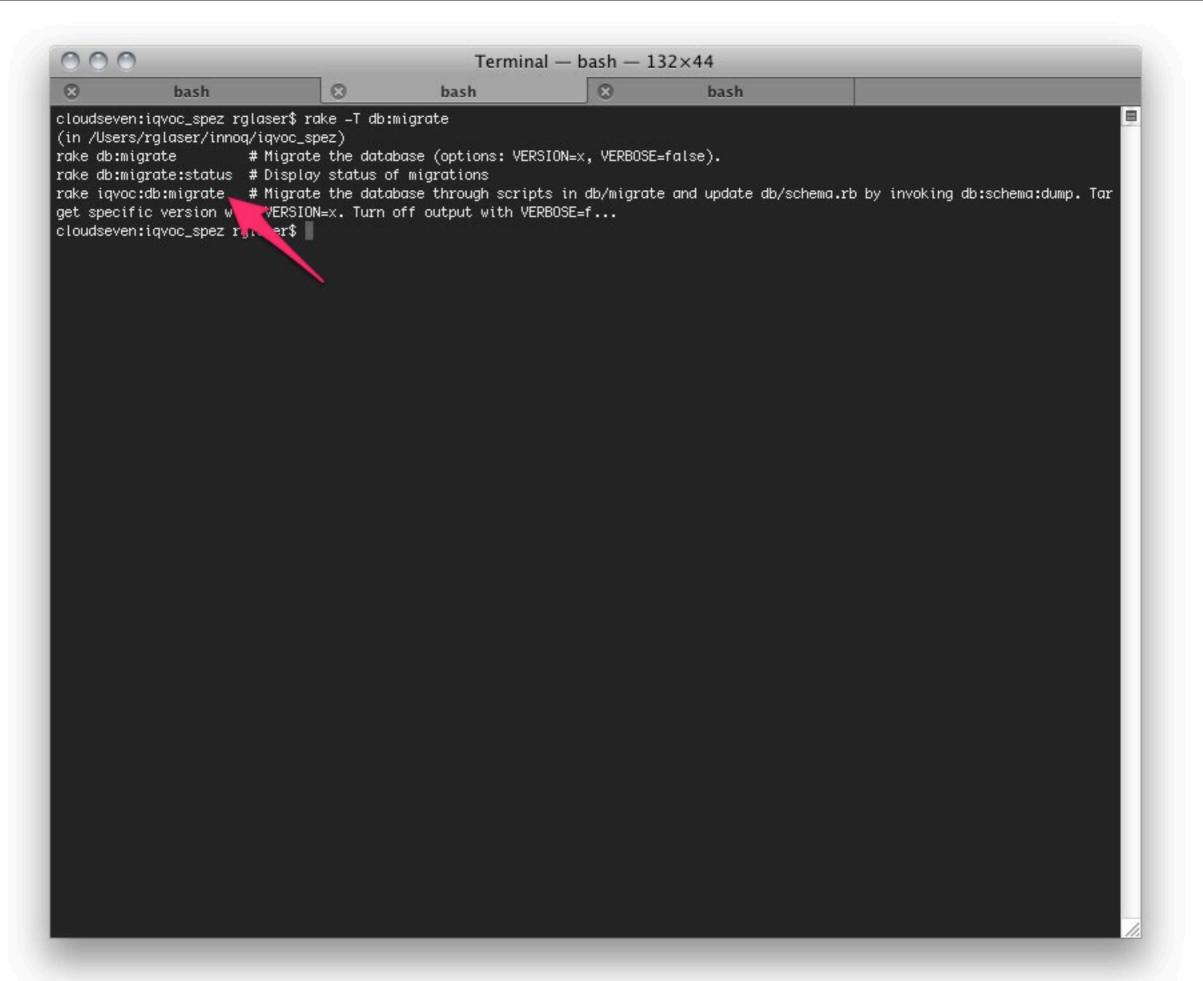
paths.lib.tasks << "lib/engine_tasks"</pre>

Only available when app is mounted as an engine!

What about What about Signature Signature

```
namespace :iqvoc do
   namespace :db do

task :migrate => :environment do
        ActiveRecord::Migration.verbose = ENV["VERBOSE"] ? ENV["VERBOSE"] == "true" : true
   path = Iqvoc::Engine.find_root_with_flag("db").join('db/migrate')
        ActiveRecord::Migrator.migrate(path, ENV["VERSION"] ? ENV["VERSION"].to_i : nil)
        Rake::Task["db:schema:dump"].invoke if ActiveRecord::Base.schema_format == :ruby
   end
end
```



rake railties:copy_migrations

Routes

Foo.application.routes.draw do



Rails.application.routes.draw do


```
# Main app
Rails.application.routes.draw do
   mount Foo::Engine => "/foo"
end

# Engine
Foo::Engine.routes.draw do
```

Ranespace isolation

```
module MyEngine
   class Foo < Rails::Engine
    isolate_namespace Foo
   end
end

# Separate routers for each Engine
foo.root_path
main app.root path</pre>
```

If you isolate, On things.

app/controllers/foo/things_controller.rb
app/views/foo/things/new.html.erb

...


```
task :link do
   Iqvoc.for_static_folders do |source_common_dir, target_common_dir|
    File.unlink(target_common_dir) if File.symlink?(target_common_dir) && ENV['force'] == "true"
    if !File.exists?(target_common_dir)
        puts "Linking #{source_common_dir} -> #{target_common_dir}"
        File.symlink(source_common_dir, target_common_dir)
        else
            puts "Symlink #{target_common_dir} already exists!"
        end
    end
end
```


ActionDispath::Static
config.serve_static_assets = true

OI

rake railties:create_symlinks

bundle in hell

• No support for multiple locations of a single gem

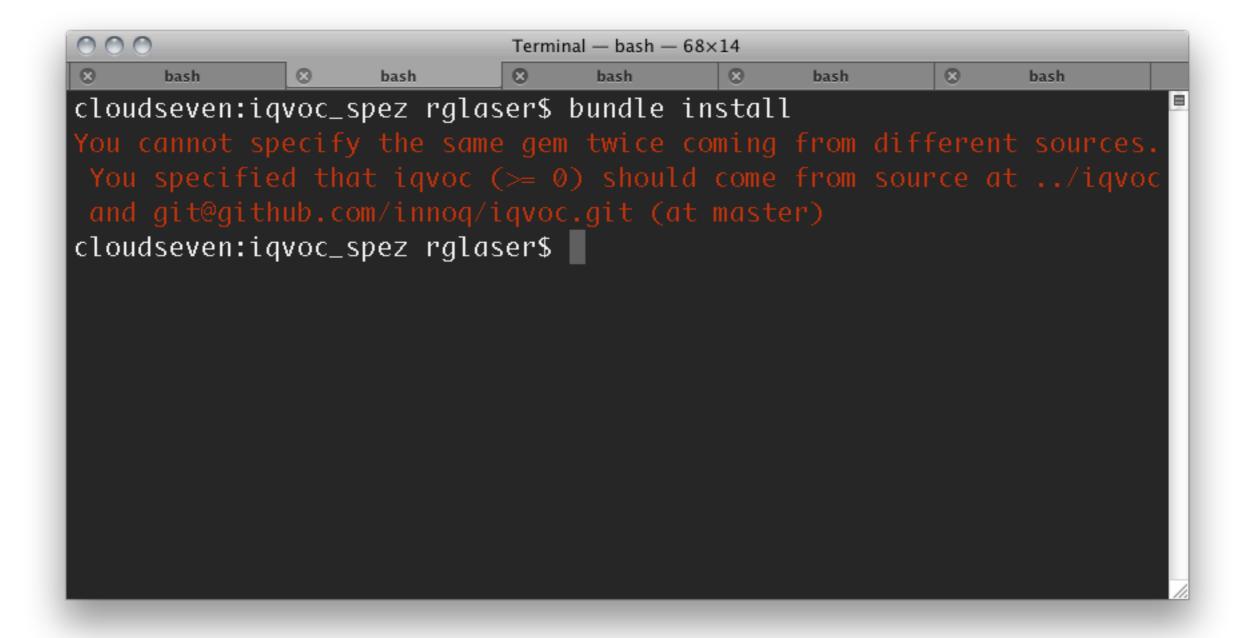
Forget about that

```
group :development do
   gem 'iqvoc', :path => '../iqvoc'
end

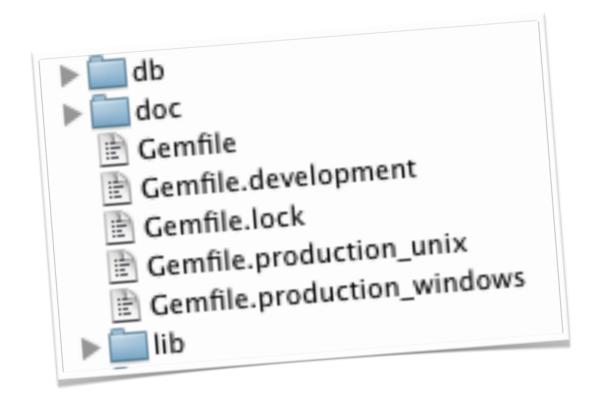
group :production do
   gem 'iqvoc', :git => 'git@github.com:innoq/iqvoc.git'
end
```

Forget about that as well:



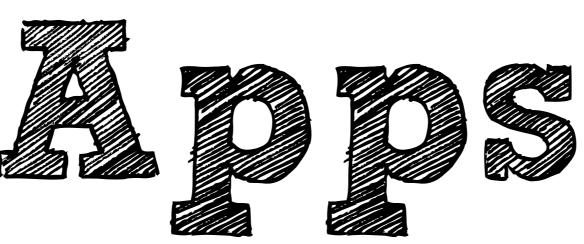


IIISCE C. Separate your Gernfiles





Engines Engines Mountable



mountable apps contest

Homo

Ju

C Q Google

Sponsors

mountable apps contest



Write Rails engines. Support community. Win prizes.



About Mountable Apps Contest

What are mountable apps?

Mountable app is a Rails application that can be embedded into another Rails applicatios. This makes it extremely easy to reuse bigger components like forums, e-commerce or blogs. Mountable apps can be packaged as regular ruby gems for easy distribution and usage by other developers.

What about contest?

Our goal is to give mountable apps a kick start - we want to see lots of innovative apps available shorty after Rails 3.1 is released. We see a huge potential in this technology and want you to unleash your creativity and have fun while doing it :-)

News

Call for sponsors 28-01-2011

This contest is a great opportunity for your company to show support for Ruby & Rails community. We're looking for sponsors willing to donate prizes and cover some of the costs of running the contest. For more information on how you can become a sponsor, contact us here.

Opening date 27-01-2011

Contest rules will be announced the day Ruby on Rails 3.1 will be

Jury

José Valim



Yehuda Katz



Santiago Pastorino



Carl Lerche



Say thanks to:

Pioti Saliacili Odrogus

###