

Rails 3 + Mountable Apps

Paweł Pacana pawel.pacana@syswise.eu

Mountable Apps

reusable apps

Przykłady

prosty cms

panel admina

forum

klient poczty/wiadomości

Rails 2.x

engines

słaba izolacja

nie jako samodzielna aplikacja

Rails 3.x

engines

enkapsulacja (Rails 3.1)

własne routes

własny middleware stack

może serwować własne 'static files'

własne pluginy

Samodzielna aplikacja?

"Wspólnie z osobami z rails core team zdecydowaliśmy, że najlepiej będzie na razie przetestować w boju montowalne engine'y i zobaczyć w jaki sposób programiści ich używają, a później popracować na montowalnych aplikacjach." /drogus/

Enginex

<http://github.com/josevalim/enginex>

Rails::Engine

```
engine_x restful_admin

# lib/restful_admin.rb
require 'restful_admin/engine'

# lib/restful_admin/engine.rb
module RestfulAdmin
  class Engine < ::Rails::Engine
    isolate_namespace RestfulAdmin # namespace
  end
end
```


Gemfile w engine

```
source "http://rubygems.org"

# wymagane
gem "rails", :git => "git://github.com/rails/"
gem "arel", :git => "git://github.com/rails/"

# dodatkowe
gem "will_paginate", "~> 3.0.pre2"
gem "simple_form"
gem "responders"

group :test do
  gem "capybara", ">= 0.3.9"
  gem "sqlite3-ruby", :require => "sqlite3"
  gem "factory_girl_rails"
end
```

Gemfile w base

```
source "http://rubygems.org"
```

```
gem "rails", :git => "git://github.com:  
gem "arel", :git => "git://github.com:  
gem 'restful_admin', :path => '/home/sensei/  
# lub :git => 'git://github.com/pawelpacana/1
```

Gemfile w base - cd.

bundler i rekursja?

dopisać gemy z Gemfile engine do base

dopisać zależności w restful_admin.gemspec

Gemfile w base - cd.

```
require 'restful_admin/engine'  
# require external libraries here unless we l  
# access to main apps Gemfile  
require 'will_paginate'  
require 'simple_form'  
require 'responders'  
  
spec = Gem::Specification.new do |s|  
  s.name = "restful_admin"  
  ...  
  s.description = "Drop-in and go, have some  
  s.add_dependency "simple_form"  
  s.add_dependency "responders"  
  s.add_dependency "meta_search"  
end
```

Routes w engine

@@@ Ruby

```
RestfulAdmin::Engine.routes.draw do  
  root :to => "home#index"
```

```
  controller :resources do  
    get ':resource(.:format)', :to => :index  
    get ':resource/new(.:format)', :to => :new  
    get ':resource/:id(.:format)', :to => :show  
    post ':resource(.:format)', :to => :create  
    get ':resource/:id/edit(.:format)', :to => :edit  
    put ':resource/:id(.:format)', :to => :update  
    delete ':resource/:id(.:format)', :to => :destroy  
  end
```

```
end
```

Routes w base

@@@ Ruby

```
Blog::Application.routes.draw do  
  resources :posts
```

```
  mount RestfulAdmin::Engine => "/admin", :  
end
```

Helpery w engine

@@@ Ruby

```
restful_admin.resources_path # :as => "rest
```

```
main_app.posts_path
```

Izolacja w engine

```
@@@ Ruby
RestfulAdmin::User

restful_admin_users_path
params[:restful_admin_user]

# isolate namespace
users_path
params[:user]
```


Migracje

```
rake railties:copy_migrations
```

Pliki statycznie

ActionDispatch::Static

rake railties:create_symlinks

Have fun!

<http://piotrsarnacki.com/2010/09/09/mountable-engines/>

<https://github.com/pawelpacana/restful-admin>

<http://gist.github.com/af7e572c2dc973add221>

<http://www.themodestrubyist.com/2010/03/05/restful-3-plugins---part-2---writing-an-engine/>