
Ruby on Rails

— Introducción a Active Record —

Overview

- Cómo hacer scaffold de recursos rápidamente
- Qué provee el scaffolding de Rails

Scaffolding

- Esencialmente es un generador de código para entidades
- Genera un prototipo simple sobre el cual se puede trabajar.
- Permite estar up-and-running rápidamente.

Generador scaffolding

```
→ fancy_cars git:(master) x rails g scaffold car make color year:integer
create      active_record
create      db/migrate/20161112015033_create_cars.rb
create      app/models/car.rb
create      test_unit
create      test/models/car_test.rb
create      test/fixtures/cars.yml
create      resource_route
create      route
create      resources :cars
create      scaffold_controller
create      app/controllers/cars_controller.rb
create      erb
create      app/views/cars
create      app/views/cars/index.html.erb
create      app/views/cars/edit.html.erb
create      app/views/cars/show.html.erb
create      app/views/cars/new.html.erb
create      app/views/cars/_form.html.erb
create      test_unit
create      test/controllers/cars_controller_test.rb
create      helper
create      app/helpers/cars_helper.rb
create      test_unit
create      test/helpers/cars_helper_test.rb
create      jbuilder
create      app/views/cars/index.json.jbuilder
create      app/views/cars/show.json.jbuilder
create      assets
create      coffee
create      app/assets/javascripts/cars.js.coffee
create      scss
create      app/assets/stylesheets/cars.css.scss
create      scss
identical   app/assets/stylesheets/scaffolds.css.scss
```

rails new fancy_car

Nombres de columnas y
tipos de datos.

Se asume String por
defecto.

Resource

Aplicando el scaffolding a la BD

```
→ fancy_cars git:(master) x rake db:migrate
== 20161112015033 CreateCars: migrating =====
-- create_table(:cars)
   -> 0.0009s
== 20161112015033 CreateCars: migrated (0.0010s) =====
```

migrate es una tarea de **rake**

generate scaffold es una tarea de
rails

Aplica cambios a la base de datos

Scaffolding Demo

rails s / rails server

← → ↻ ⓘ localhost:3000/cars

Listing cars

Make Color Year

[New Car](#)

← → ↻ ⓘ localhost:3000/cars/new

New car

Make

Color

Year

[Back](#)

← → ↻ ⓘ localhost:3000/cars/1

Car was successfully created

Make: Brasil

Color: Blue

Year: 2008

[Edit](#) | [Back](#)

← → ↻ ⓘ localhost:3000/cars

Listing cars

Make	Color	Year	
Renault	Blue	2008	Show Edit Destroy
Chevrolet	Yellow	2011	Show Edit Destroy

[New Car](#)

Scaffolding API

The screenshot shows a web browser window with a REST client interface. The address bar displays `http://localhost:3000/`. The main interface shows a `GET` request to `http://localhost:3000/cars.json`. The `Authorization` tab is selected, showing `No Auth`. The `Body` tab is also selected, showing the response in a `JSON` format, displayed in a `Pretty` view. The response is a JSON array of two car objects:

```
[
  {
    "id": 1,
    "make": "Renault",
    "color": "Blue",
    "year": 2008,
    "url": "http://localhost:3000/cars/1.json"
  },
  {
    "id": 2,
    "make": "Chevrolet",
    "color": "Yellow",
    "year": 2011,
    "url": "http://localhost:3000/cars/2.json"
  }
]
```

Scaffolding / Partes de la magia

- Migration
- Model
- Routes
- Controller with actions
- Views

Estaremos discutiendo estos temas!

Two orange arrows originate from the left side of the text box. One arrow points to the word 'Migration' in the first list item, and the other points to the word 'Model' in the second list item.

Entonces...

- El scaffolding nos permite tener nuestra aplicación corriendo rápidamente.
- Genera un JSON Response