

# Rails trainings

Introduction & fundamentals

# Where to get informations

- [Rails guide](#)
- [Gist with common commands](#)

# Rails philosophy

- Don't Repeat Yourself
- Convention Over Configuration
- MVC pattern

# MVC pattern



mvc pattern diagram

# Views

- Present data to user
- Allow user to interact with the data

## Tools and library

- Haml
- Angular 1
- Helpers
- [Internationalization](#)
- Coffee script
- Cells

# Views - Angular 1

- difference `ngShow` / `ngHide` and `ngIf`

# Views - **Ham**l

## Syntax

```
%section.container  
  %h1= post.title  
  %strong.code#message Hello, World!
```

## Partials

```
= render 'sidebar'
```

## Ruby variables

```
.content  
  = @podcast.name
```

# Models

- Represent the data
- Interact with the database (postgresql)
- Check for validity of data
- Relations between models
- Validation
- Before filters
- Scopes



# Controllers

- Find the correct view
- Check permissions
- Instance variables
- Concerns

# Active record

## database manager

- Schema configured in `db/schema.rb`
- Uses migrations files stored in `db/migrate`

# Environments

`RAILS_ENV=`

- production
- development
- test

# Routing

Configured in `config/routes.rb`

```
resources :networks, only: %i[index show create destroy]
```

# Asset pipeline

- Sprockets
- Webpack
- Why Rails uses both

```
// Sprockets
//= require jquery

// Webpack
import '../application.css'
```

# Rake tasks

- Small script to perform specific action
- Stored in `lib/tasks`
- Used to run migrations
- `one_off` folder

**Image server**

# API

- public API
- private API stored in `app/controllers/api/`
- how to find endpoints



# Dependencies

- ruby gems
- bundler
- gemfile

**Sidekiq**

# Services folder

- creator and updator files