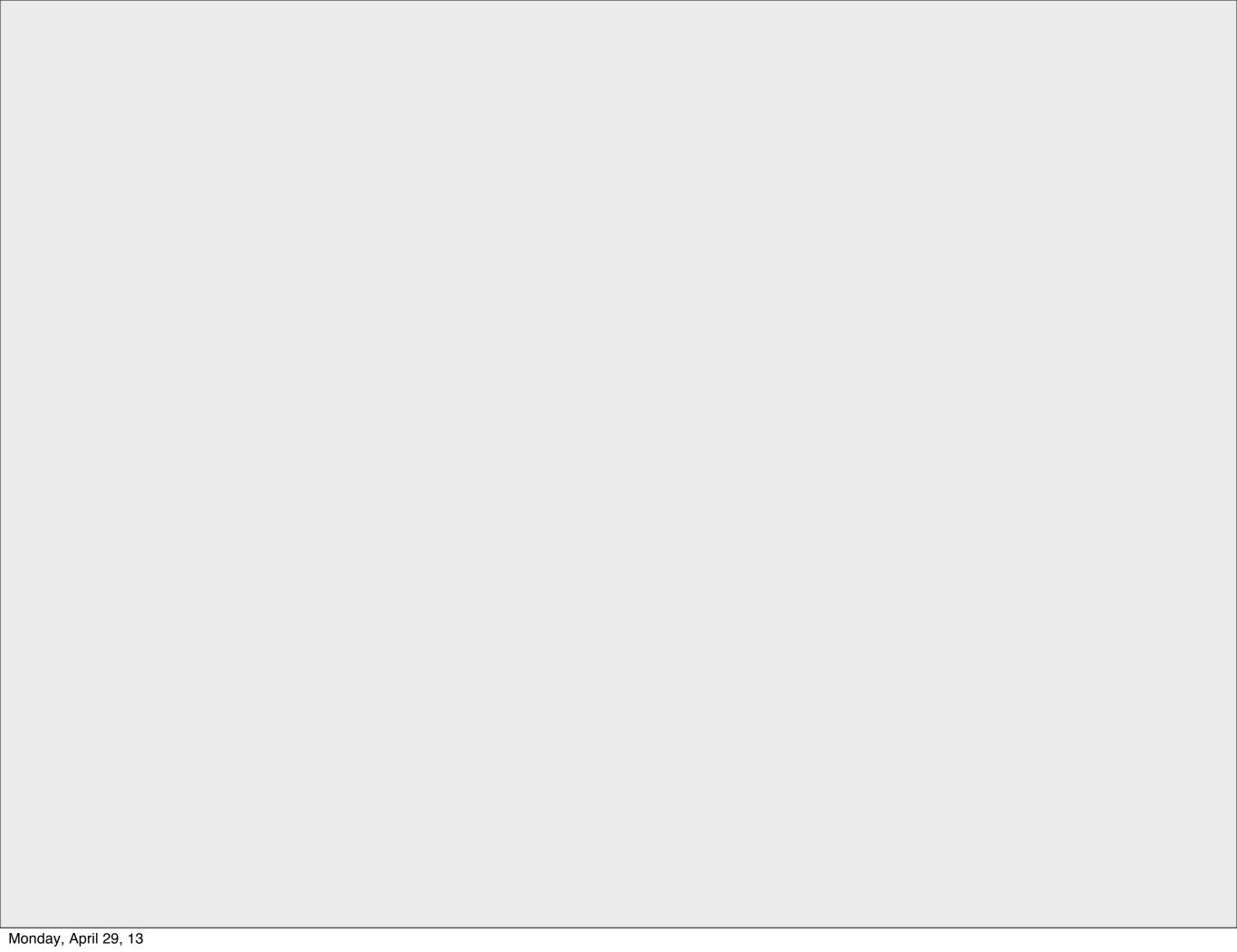
You've got a Sinatra on Vous Rails

@josevalim / Plataformatec







Railsnatra

Hacking Rails for fun and profit



Simple Form

devise





Joined Rails Core in 2010



Single-file Rails applications

- Single-file Rails applications
- Rack and the Rails router

- Single-file Rails applications
- Rack and the Rails router
- Middleware stacks

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- Middleware stacks
- Rails rendering stack

SINGIE-FILE Raisanns



config.ru
require "sinatra/base"

```
class MyApp < Sinatra::Base
  get "/" do
    "Hello World!"
  end
end</pre>
```

run MyApp.new

config. IU

```
run lambda { lenvl
 status = 200
 headers = {
    "Content-Type" => "text/plain"
 body = ["Hello world"]
  [status, headers, body]
```

```
$ rackup
$ curl localhost:9292
Hello world
```

```
H = { "Content-Type" => "text/plain" }
map "/hello" do
  run lambda { lenvl
    [200, H, ["World"]]
end
run lambda { lenv|
  [200, H, ["Nothing here"]]
```

```
$ rackup
$ curl localhost:9292
Nothing here
$ curl localhost:9292/hello
World
```



config.ru
require "sinatra/base"

```
class MyApp < Sinatra::Base
  get "/" do
    "Hello World!"
  end
end</pre>
```

run MyApp.new



```
RAILS
```

```
# config.ru
require ::File.expand_path(
   '../config/environment', __FILE___
)
```

run Sample::Application



```
# config.ru
require ::File.expand_path(
   '../config/environment', __FILE___
)
```

run Sample::Application

```
# config/environment.rb
require File.expand_path(
   '../application', __FILE___
)
```

Sample::Application.initialize!

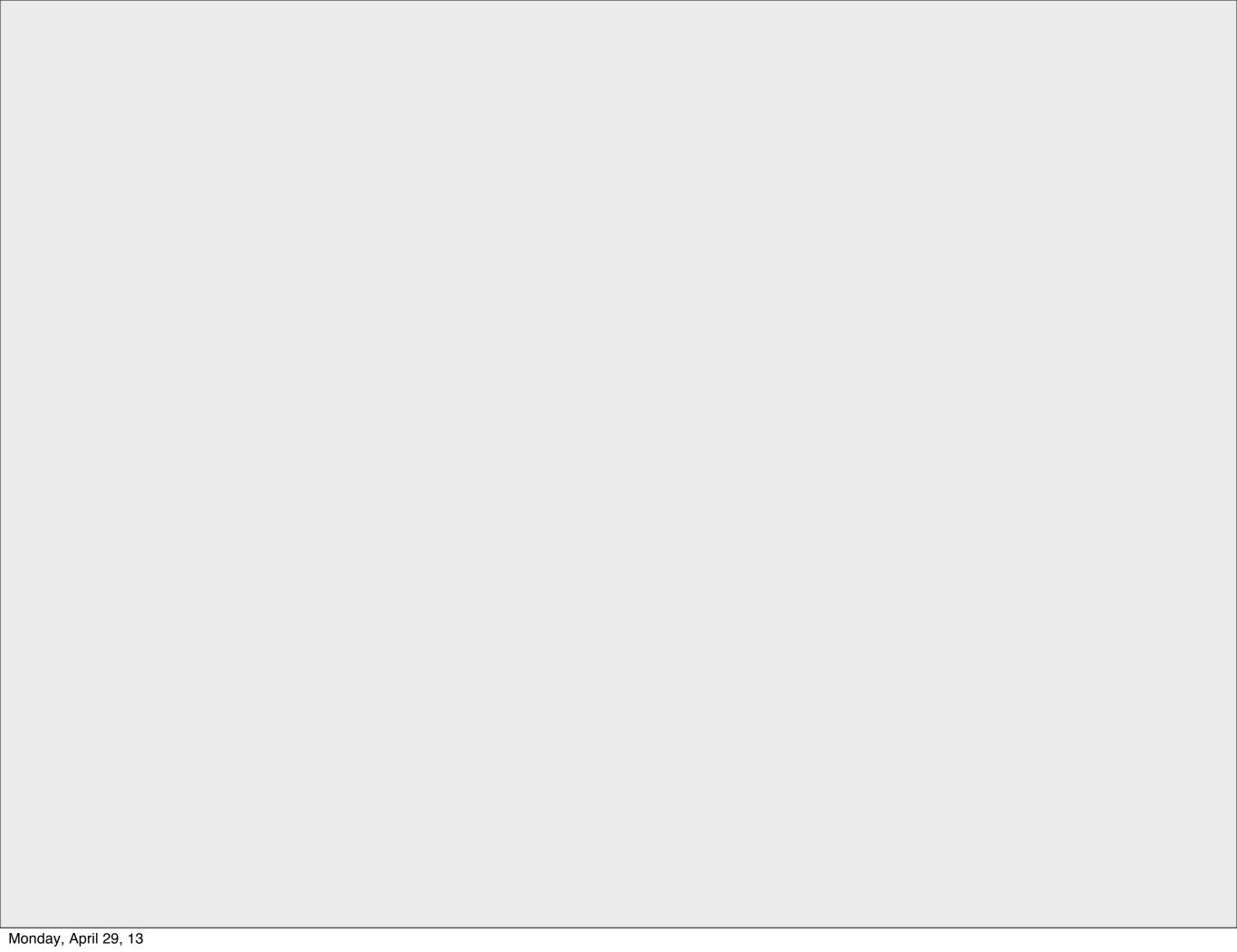


```
# config/application.rb
require File.expand_path(
   '../boot', __FILE__
)
```



module Sample
 class Application < Rails::Application</pre>

```
# config/application.rb
require File.expand_path(
  '../boot', ___FILE___
module Sample
  class Application < Rails::Application
# config/boot.rb
ENV['BUNDLE_GEMFILE'] ||=
  File.expand_path(
    '../../Gemfile', __FILE__
require 'bundler/setup'
```



Setup the load path

Setup the load path

config/application.rb

Setup the load path

config/application.rb

Define the application

Setup the load path

config/application.rb

Define the application

config/environment.rb

Setup the load path

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Define the application

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Initialize the application

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config.ru

Setup the load path

config/application.rb

Define the application

config/environment.rb

Initialize the application

config.ru

Setup Rack

ETOOMANYFILES?



```
# Rakefile
require File.expand_path(
   '../config/application', __FILE__
)
Sample::Application.load_tasks
```



```
# Rakefile
require File.expand_path(
  '../config/application', __FILE__
Sample::Application.load_tasks
# lib/tasks/my_tasks.rake
task :hello => :environment do
  # . . .
end
```

Monday, April 29, 13

1_config.fu

```
root to: lambda { lenv!
   [200, headers, ["Hello world"]]
}
```

```
root to: lambda { lenv!
   [200, headers, ["Hello world"]]
}
```

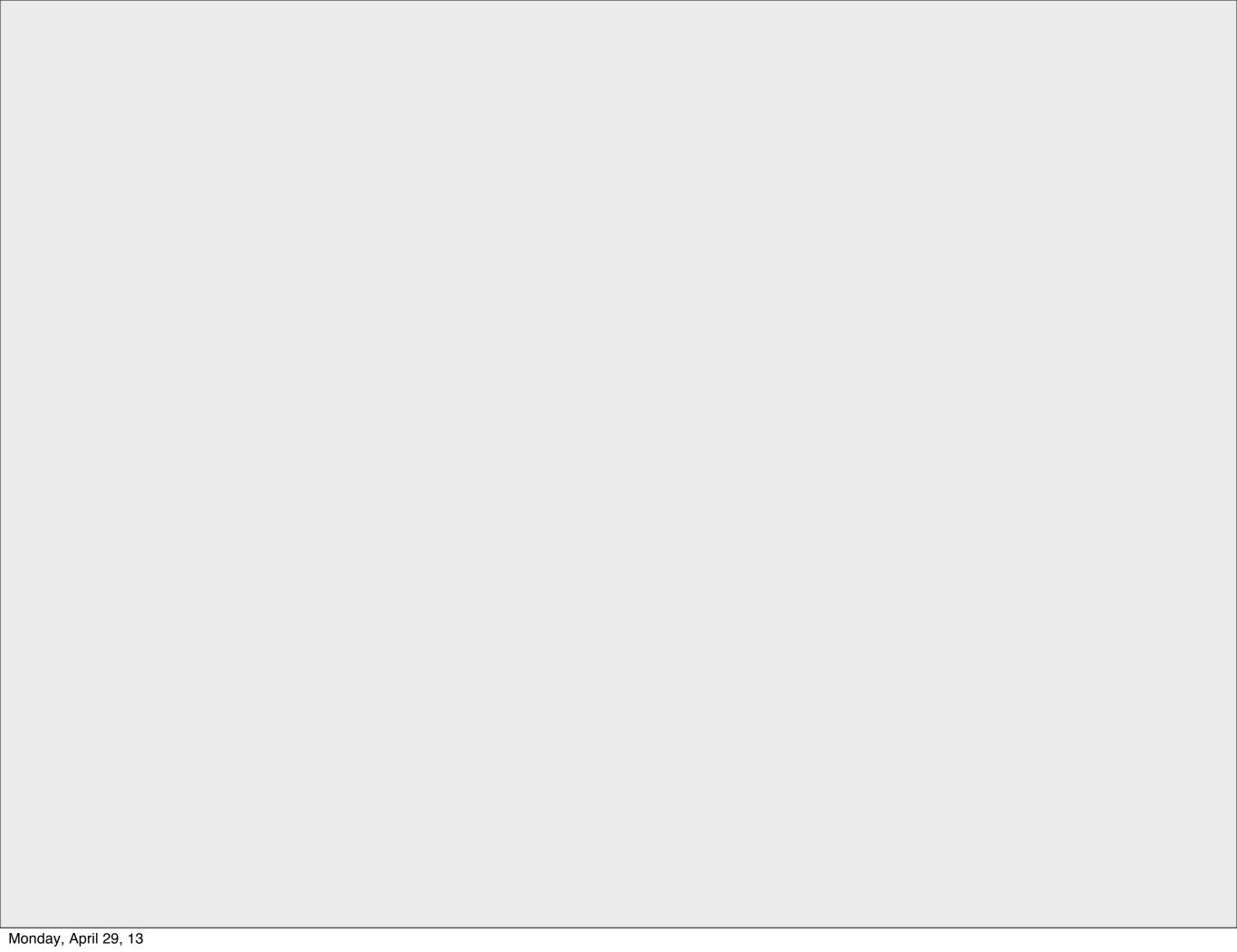
```
get "/", to: lambda { lenv!
  [200, headers, ["Hello world"]]
}
```

get "/", to: "posts#index"

```
get "/", to: "posts#index"
```

```
get "/", to:
   PostsController.action(:index)
```

2_config.su



match (get, post, put, delete)

match (get, post, put, delete)
 Match on the full path

match (get, post, put, delete)

Match on the full path

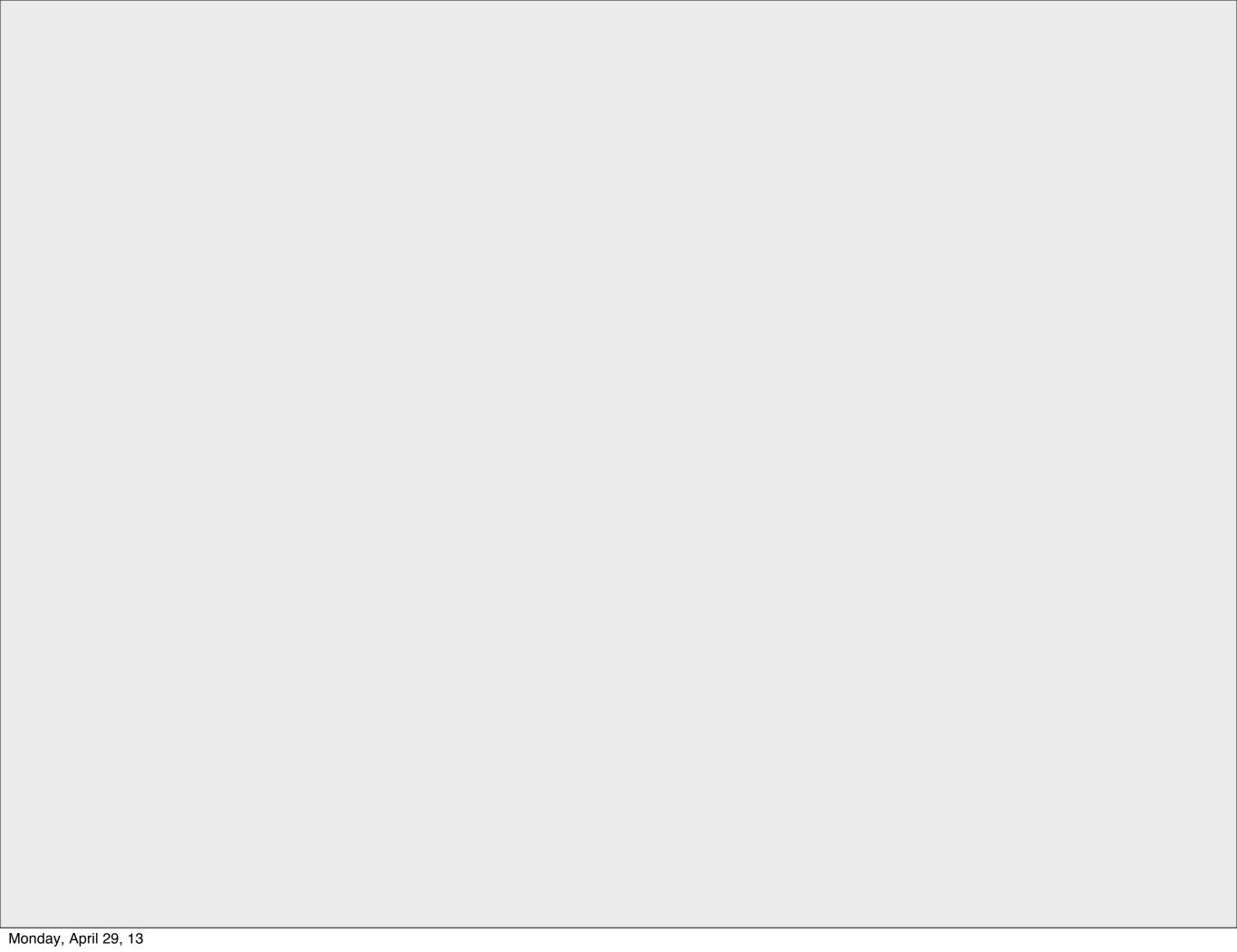
mount

match (get, post, put, delete)

Match on the full path

mount

Match on the path prefix



PATH_INFO	SCRIPT_NAME

	PATH_INFO	SCRIPT_NAME
Web server	/hello/world	

	PATH_INFO	SCRIPT_NAME
Web server	/hello/world	
Rails router	/hello/world	

	PATH_INFO	SCRIPT_NAME
Web server	/hello/world	
Rails router	/hello/world	
Endpoint	/world	/hello

The Rack API

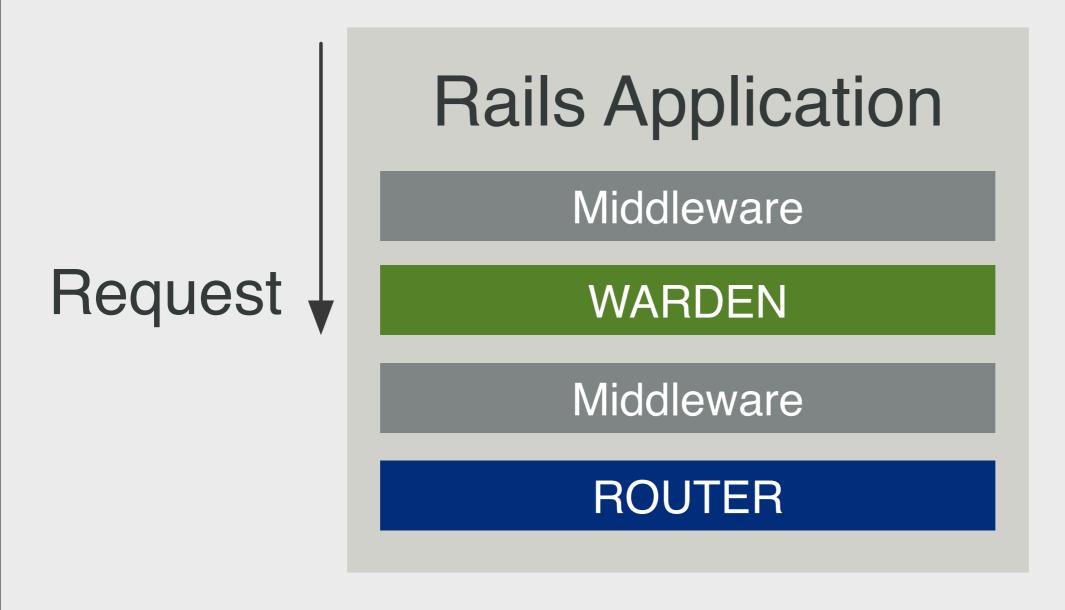
- The Rack API
- PostsController.action(:index)

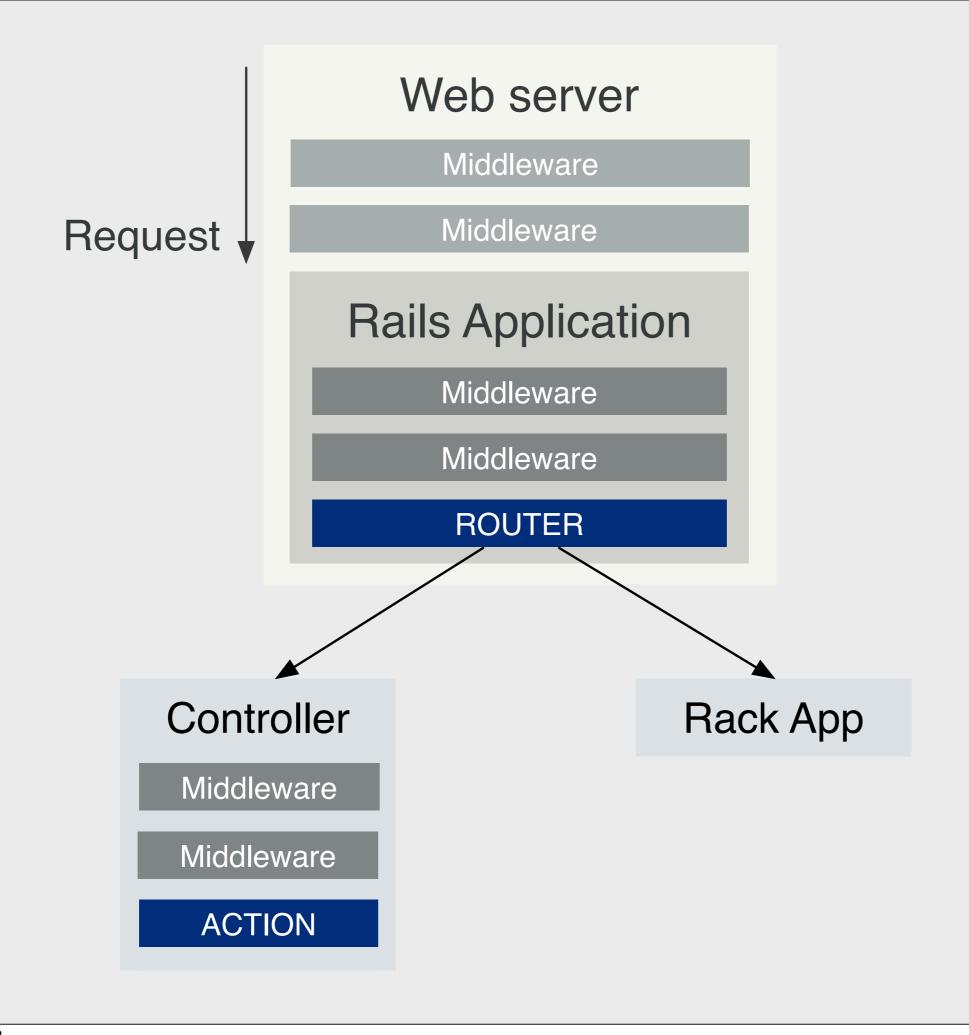
- The Rack API
- PostsController.action(:index)
- match vs. mount

Mula employer Stacks

config.middleware.use Warden

config.middleware.use Warden





2_config.ru++

Middleware

- Middleware
- Before/after action hooks

- Middleware
- Before/after action hooks
- Streaming

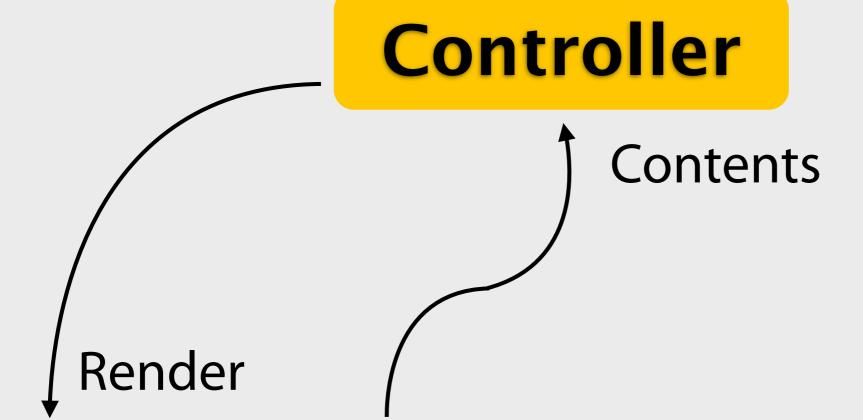
- Middleware
- Before/after action hooks
- Streaming
- Layouts & render

Rendering



```
class MyApp < Sinatra::Base
  def hello
    "Hello World!"
  end
end</pre>
```

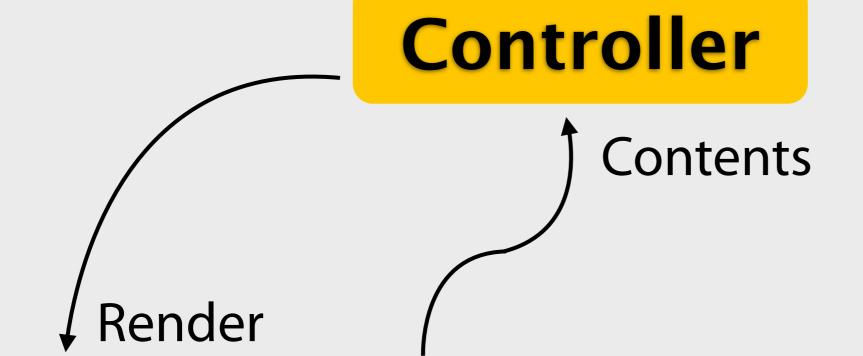
```
# Template
Title is <%= hello %>
```





ActionView::Base

tracking details finding templates compiling templates rendering templates rendering context





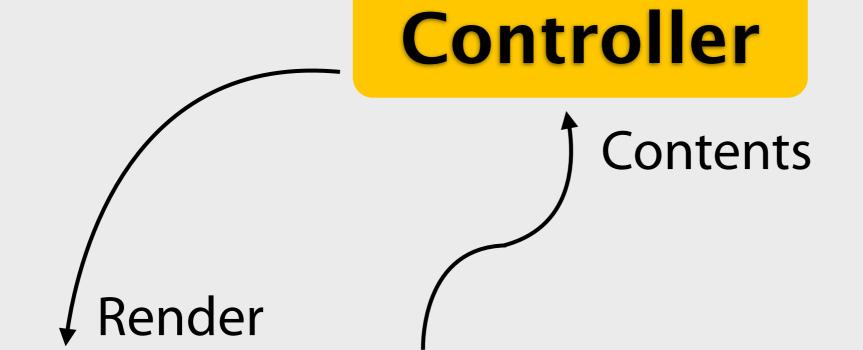
ActionView::Base

tracking details finding templates rendering templates rendering context

Template

‡

builder, erb, haml...





ActionView::Base

tracking details rendering templates rendering context

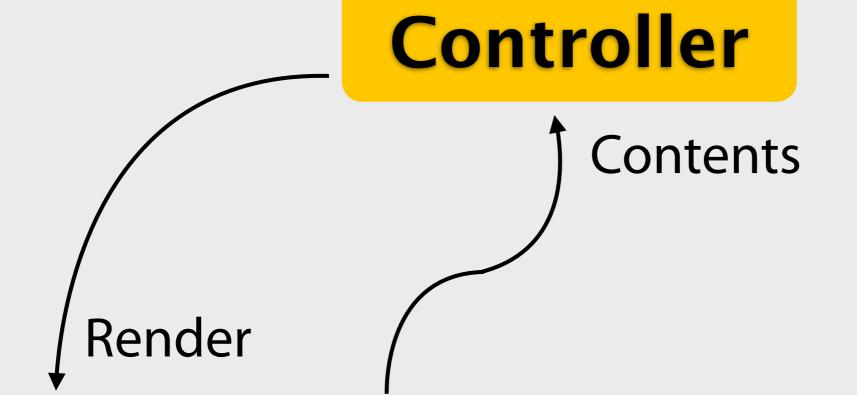
View paths

hold filesystem paths finding templates



Template







ActionView::Base

tracking details rendering templates rendering context

View paths hold resolvers



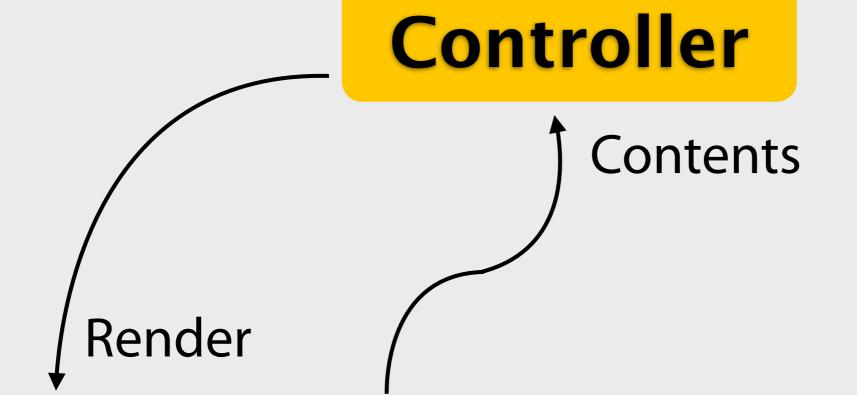
Resolvers

finding templates

‡

Template

Templates no longer need to be in the filesystem, they can be anywhere (including the database)





ActionView::Base

tracking details rendering templates rendering context

View paths hold resolvers

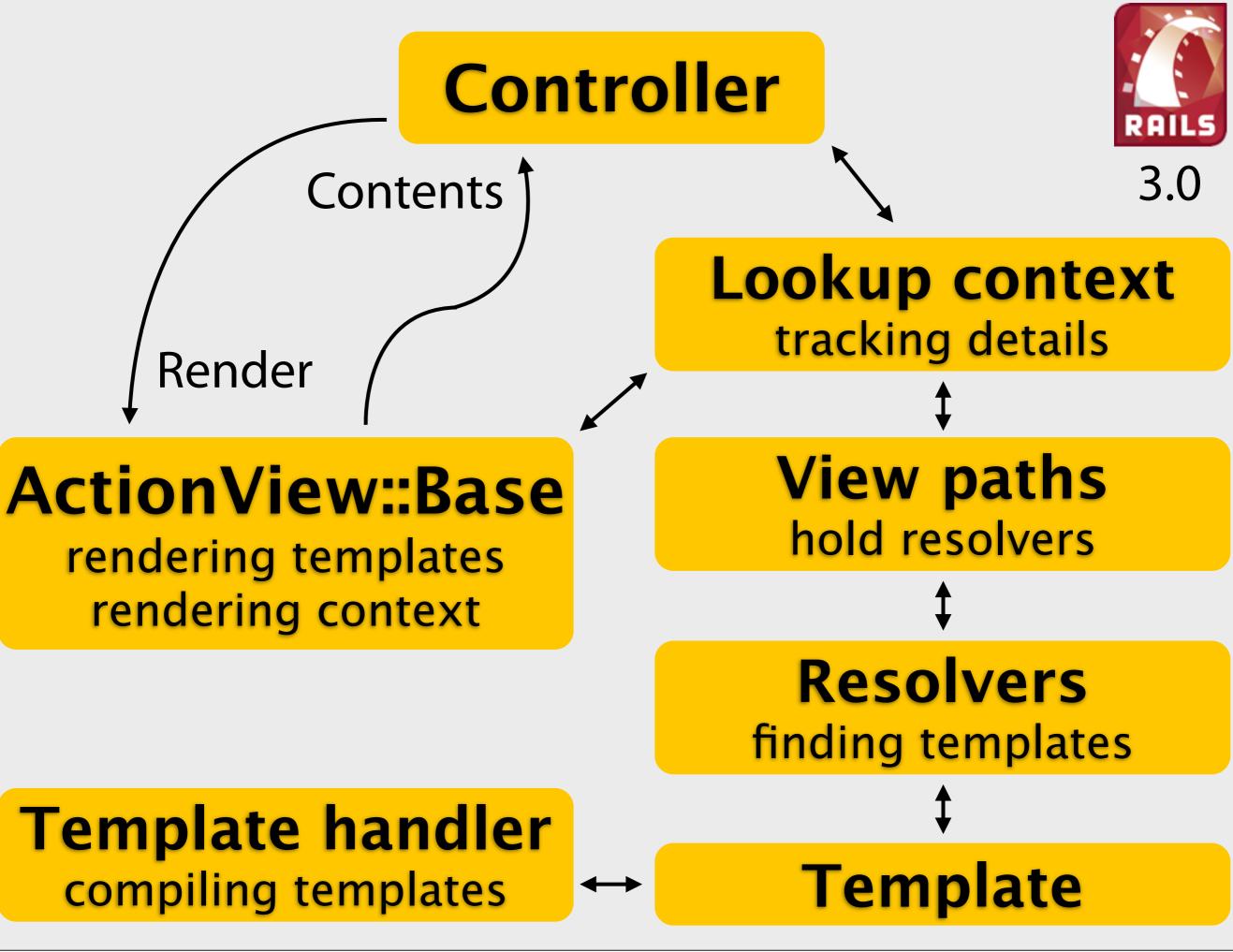


Resolvers

finding templates

‡

Template



Controller



3.1



rendering templates



rendering context

Lookup context

tracking details

View paths

hold resolvers

Resolvers

finding templates

Template

Controller



3.1



AV::Renderer rendering templates

‡

ActionView::Base rendering context

Lookup context tracking details



View paths hold resolvers



Resolvers finding templates



Template

3_config.fu

TO SUM Up



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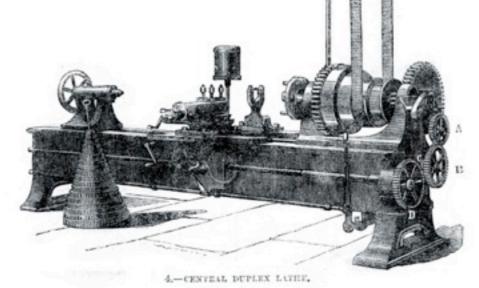
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The Pragmatic Programmers

Crafting Rails Applications

Second Edition

Expert Practices for Everyday Rails Development



José Valim

edited by Brian P. Hogan

The Facets 🌉



of Ruby Series

S/May



@josevalim / Plataformatec