

**webpacker**  
**w/ Rails**



**But first a  
confession**



**I'M NOT A DOCTOR  
(JAVASCRIPT DEV)**

**BUT I PLAY ONE  
ON TV**

JavaScript makes me 

My ❤️ belongs to 💎

# However ...

Modern JS no longer makes me 

Over time I'm mostly 

**But also ...**

**I'm not a fan of the asset  
pipeline**

sbecker  
shoutout for  
asset  
packager!

[https://github.com/  
sbecker/  
asset\\_packager](https://github.com/sbecker/asset_packager)



Next  
generation  
jammit



# Asset Pipeline

Weird commented files

Non standard tags in  
SCSS

ERB tags in CSS



# Modern Javascript Tools



Not settling  
forth the status  
quo

# Webpack

***webpack is a module bundler for modern JavaScript applications.***

# Webpack

*It is incredibly configurable*

# Webpack

***But editing/adding-to a webpack config requires some more than cursory understanding of webpack***

# Packaging Javascript code

*Where is the gem equivalent in JavaScript land?*

# npm

- If you've done any javascript work with npm you know it is a 😠 experience
- Most frustrating: slllloooooowwwww

**Yarn**  
**fast**  
**caching**  
**parallelize**

# Yarn

***Will use this to download packages and all of their dependencies***

***There are a LOT of dependencies...***

# Asset Pipeline

## *Sprockets*

- A great gem but reproduces a lot of what the JS world already has
- Maintenance is apparently quite difficult

# Can we merge the two?



dhh

commented 2 days ago

Gotcha. Yeah, let's try to sort it all out.

I'm starting work on --webpack now. Should have a preliminary PR up soon. There's definitely a ton more work for us to get there compared to --yarn, but I'd like to target 5.1 with that option as well.



`rails/webpacker`

# Small gem

- Mostly configuration
- ... and passing information to existing tools

# Rails "4.2"..."5.1"

## Officially deployed as part of 5.1

- At the same time we 💀 jQuery as a standard dependency

# Getting started

<https://github.com/rails/webpacker>

# Rails "4.2"..."5.1"

## Add gem to Gemfile

- For < 5.1
- `gem 'webpacker', github: 'rails/webpacker'`

# Rails 5.1

```
rails new --webpack  
rails new --webpack=react  
rails new --webpack=angular
```

# MOAR CONFIGS!

→ config/webpack/\*.js

***Follows similar conventions of ruby configs  
Broken down into dev, test, prod***

# YAPFC

*Yet Another Place For Code*

app/javascript/packs/\*

**Each js file is the name of a pack**

***These can be brought into a page with***  
**javascript\_pack\_tag 'NAME'**

**Each css file is also the name of a pack**

***These can be brought into a page with  
stylesheet\_pack\_tag 'NAME'***

# Lets look at the sample

```
./bin/webpack-dev-server  
rails s
```



# React

rails webpacker:install:react

I like es2015 bleeding edge stuff!



# Add the dependencies

```
yarn add babel-preset-stage-0
```

```
yarn add babel-preset-es2015
```

```
// config/webpack/loaders/babel.js
// config/webpack/loaders/react.js
// .babelrc

"presets": [
  "react",
  "es2015",
  "stage-0",
  [ "env", { "modules": false } ]
]
```

# Lets make some React components!

# Managed Javascript Dependencies

(no more downloading js bundles)

Keep up with the  
*Joneses*

`es{2015,2016,2017}` is a  
*decent* version of  
javascript



**thank you!**

**P.S. Ruby Rulez**

