

monitoring quality and performance

- web services
- browser extensions
- devtools
- scripts / tools

web services

- WebPagetest
- Pingdom
- GTmetrix
- sonarwhal
- KeyCDN
- PageSpeed Insights
- Yellow Lab Tools
- Sucuri
- Uptrends
- Varvy Pagespeed
- ...

browser

# Chrome 64+

The screenshot displays the Chrome DevTools interface with the Performance monitor open. The browser window shows the URL <https://developers.google.com/web/tools/chrome-devtools/>. The DevTools sidebar on the left contains the 'Tools for Web Developers' section and the 'Chrome DevTools' section with a 'Contents' dropdown menu. The Performance monitor panel on the right shows a list of metrics and a corresponding timeline graph.

**Tools for Web Developers**

Missed the action at this year's Chrome Dev Summit? Catch up with our playlist on YouTube. [Watch now.](#)

Products > Web > Tools for Web Developers > Tools

**Chrome DevTools**

**Contents** ▾

- Open DevTools
- Discover DevTools
  - Device Mode
  - Elements panel

**Performance monitor**

Metric	Value
✓ CPU usage	0.1%
✓ JS heap size	46 MB
✓ DOM Nodes	474
✓ JS event listeners	
✓ Documents	
✓ Frames	
✓ Layouts / sec	
✓ Style recalcs / sec	

The timeline graph shows CPU usage (yellow), JS heap size (blue), and DOM Nodes (green) over time. The x-axis represents time from 1:13:55 PM to 1:14:05 PM. The y-axis represents the percentage of CPU usage (0% to 100%) and memory usage (0 MB to 60 MB). The graph shows a significant spike in CPU usage and JS heap size around 1:14:05 PM.

<https://developers.google.com/web/updates/2017/11/devtools-release-notes#perf-monitor>

scripts / tools

- gmetais/YellowLabTools
- marcelduran/webpagetest-api
- macbre/phantomas
- speedracer/speedracer
- okor/justice



automated / CI

- [sonarwhal/sonarwhal](#)
- [GoogleChrome/lighthouse](#)
- [addyosmani/psi](#)
- [sitespeedio/sitespeed.io](#)

performance budgets

```
{
  "browsertime.pageSummary": [{
    "metric": "statistics.timings.firstPaint.median",
    "max": 1000
  }, {
    "metric": "statistics.visualMetrics.FirstVisualChange.median",
    "max": 1000
  }],
  "coach.pageSummary": [{
    "metric": "advice.performance.score",
    "min": 75
  }, {
    "metric": "advice.info.domElements",
    "max": 200
  }, {
```

<http://v3.danielmall.com/articles/how-to-make-a-performance-budget>

<http://designingforperformance.com>

<http://designingforperformance.com/weighing-aesthetics-and-performance>

<https://calendar.perfplanet.com>

<http://www.perfplanet.com>

<https://github.com/davidsonfellipec/awesome-wpo>

build monitoring (webpack)

- [FormidableLabs/webpack-dashboard](#)
- [FormidableLabs/electron-webpack-dashboard](#)
- [zouhir/jarvis](#)
- [webpackmonitor/webpackmonitor](#)



Log

Failed to compile.

Error in ./src/components/home.js  
Syntax error: /Users/kenwheeler/Projects/Formidable/react-app-starter/src/components/home.js:  
Unexpected token (4:19)  
2 | import { Link } from 'react-router';  
3 |  
> 4 | import styles from './home.css';  
 | ^  
5 |  
6 | const Home = () => {

Status

Errors

Operation

idle

Progress

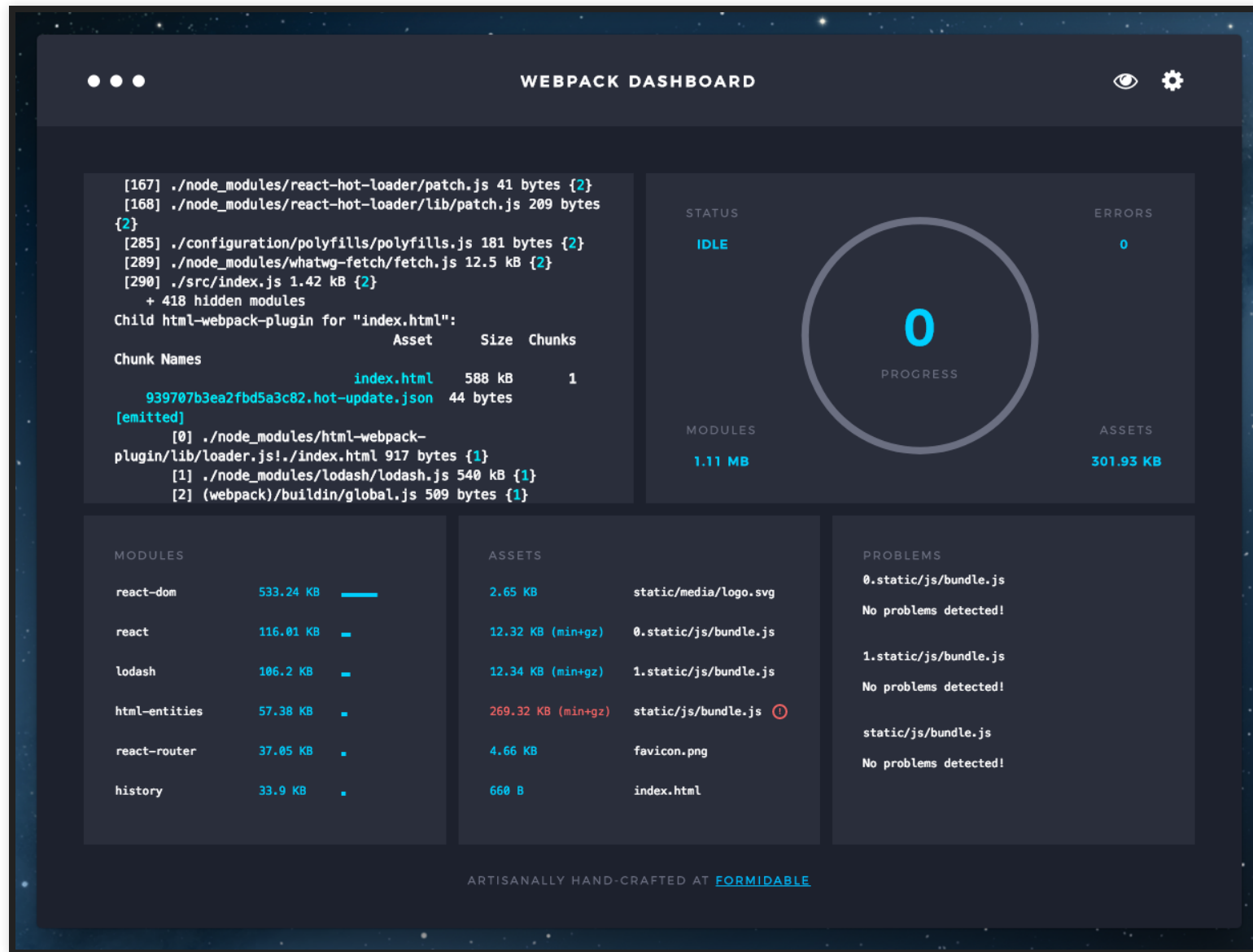
Modules

Name	Size	Percentage
react	645.42 KB	56.8%
react-router	101.96 KB	8.97%
lodash	94.77 KB	8.34%
html-entities	57.38 KB	5.05%
history	49.02 KB	4.31%
warning	1.76 KB	3.60%
<self>	47.26 KB	96.4%
fbjs	33.59 KB	2.96%
react-proxy	21.75 KB	1.91%

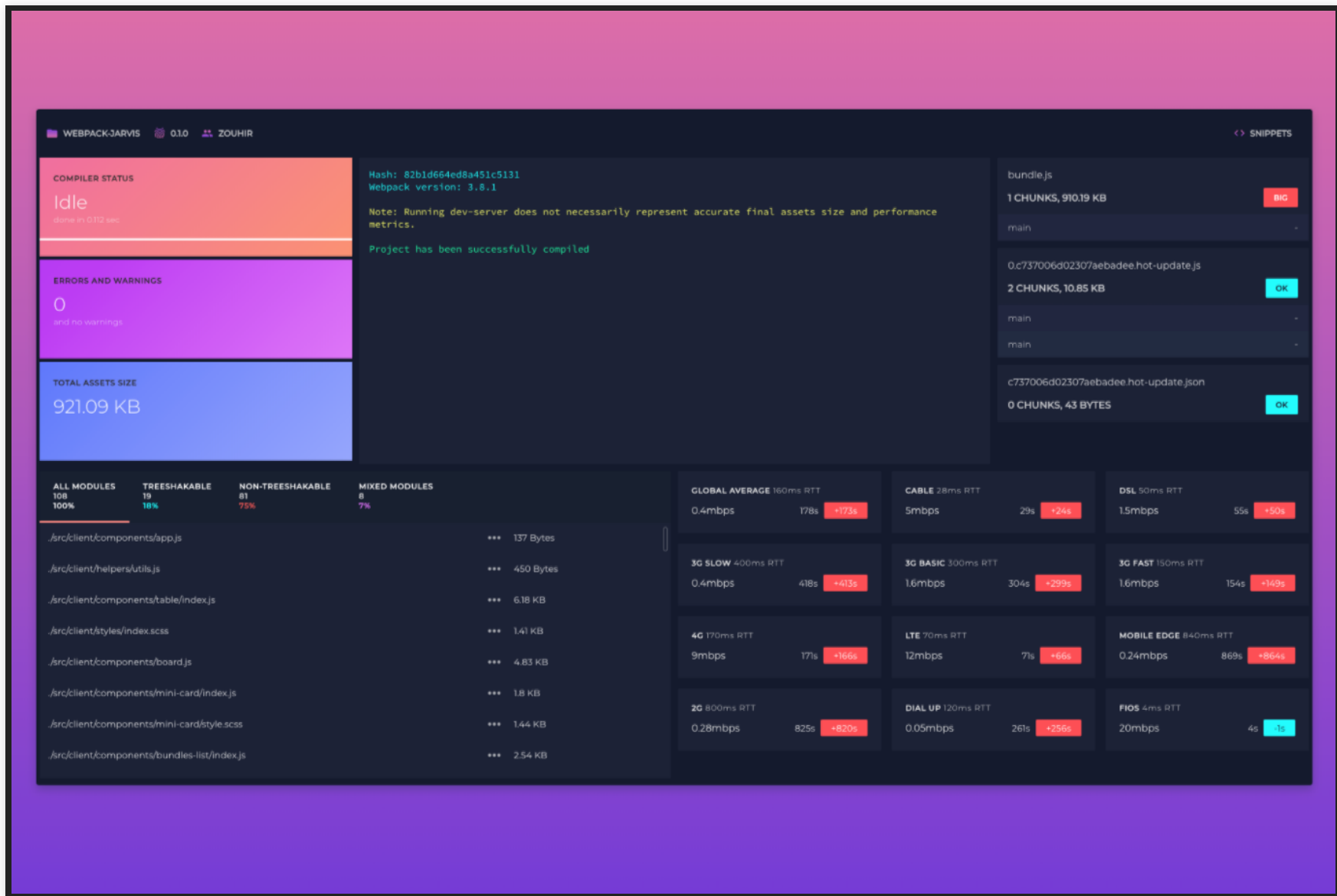
Assets

Name	Size
static/js/bundle.js	1.34 MB
0.11e27e5498cc6915b174.hot-update.js	3.28 KB
11e27e5498cc6915b174.hot-update.json	43 B

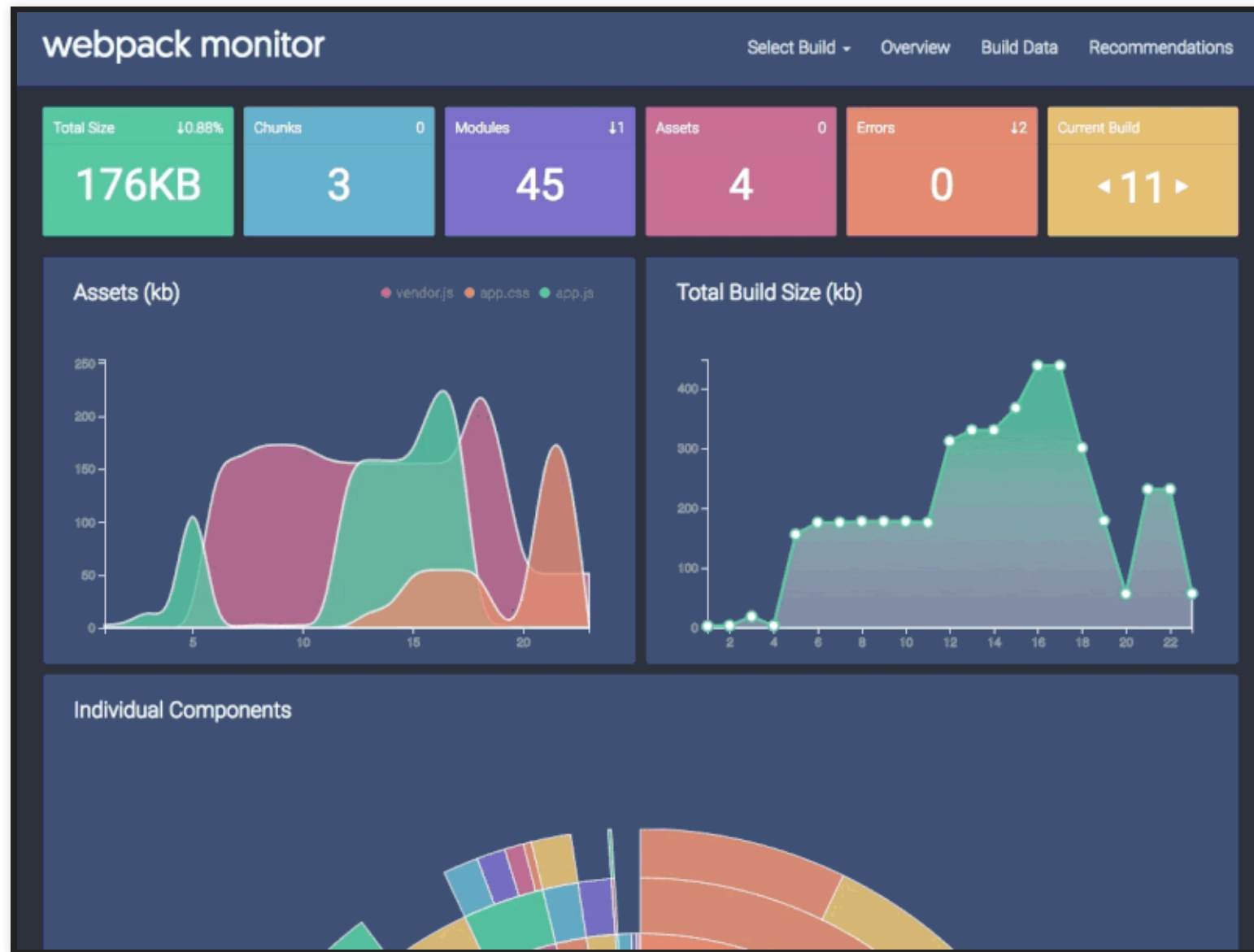
<https://github.com/FormidableLabs/webpack-dashboard>



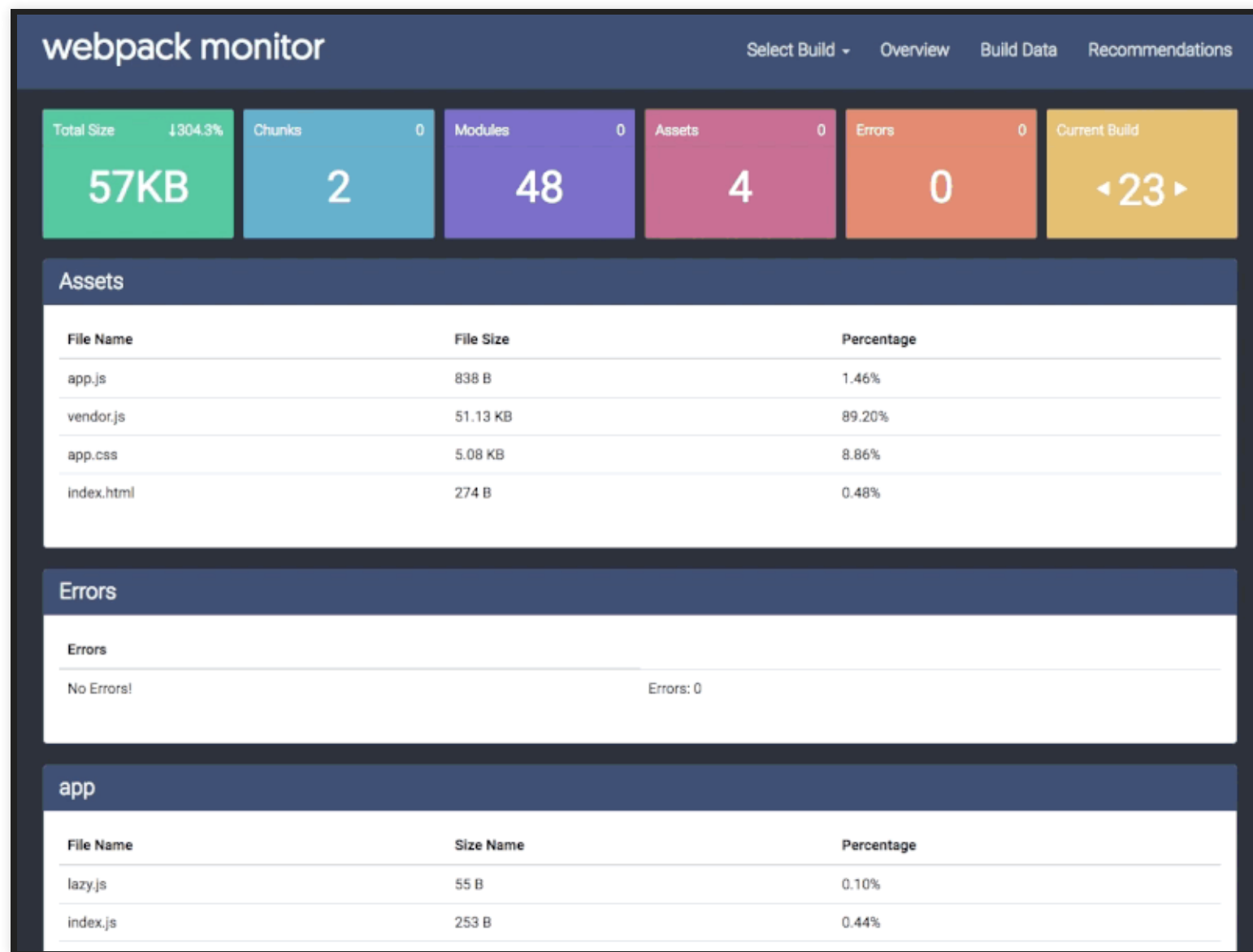
<https://github.com/FormidableLabs/electron-webpack-dashboard>



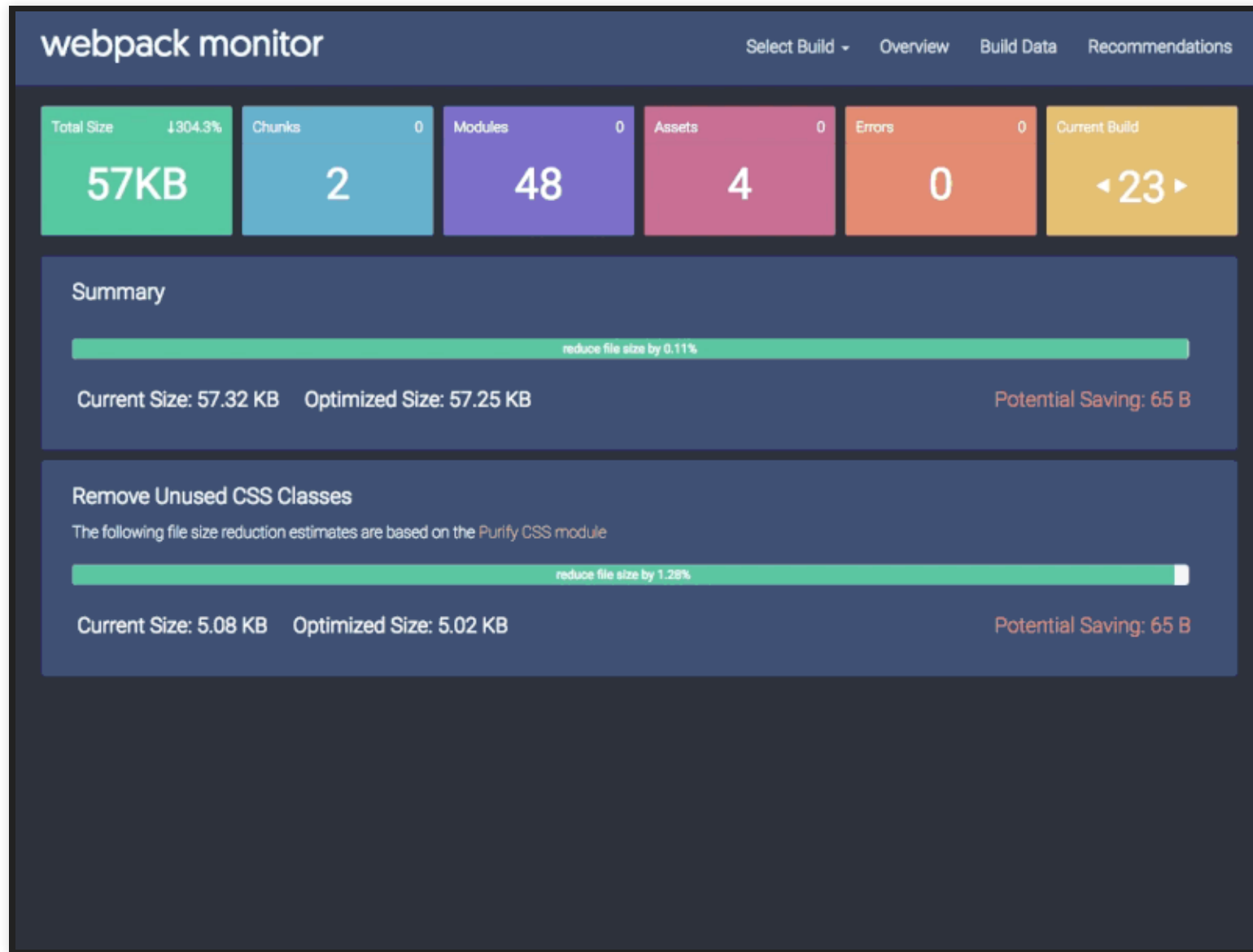
<https://github.com/zouhir/jarvis>



<https://github.com/webpackmonitor/webpackmonitor>



<https://github.com/webpackmonitor/webpackmonitor>



<https://github.com/webpackmonitor/webpackmonitor>

<https://github.com/webpack-contrib/awesome-webpack>

accessability (a11y)



- Section 508
- WCAG 2.0 A
- WCAG 2.0 AA (recommended)
- WCAG 2.0 AAA

- Swiper
- flatpickr
- ? ...

- [addyosmani/a11y](#)
- [pa11y/pa11y](#)
- [pa11y/pa11y-ci](#)
- [open-indy/Koa11y](#)

Koa11y

AboutExit

URL:

https://github.com

Username:

Password:

Filename (will overwrite existing files):

github.com

HTML

Standards Format:

WCAG 2.0 AA

Output Folder:

/Users/druf/Desktop

Image Accessibility:

Copy the console code

Paste this code in your browser's console and press enter. It will give you code you can paste into the box below, then click "Run".

Errors 0

Warnings 0

Notices 0

Run!

<https://github.com/open-indy/Koa11y>

# https://github.com

Errors 17

Warnings 50

Notices 156

## WCAG2AA.Principle4.Guideline4\_1.4\_1\_2.H91.A.NoContent

ERROR: Anchor element found with a valid href attribute, but no link content has been supplied.

```
<a class="header-logo-invertocat my-0" href="https://github.com/" aria-label="Homepage" data-ga-click="(Logged out) Header, go to homepage, icon:logo-wordmark">
  <svg aria-hidden="true...">
```

html > body > div:nth-child(1) > header > div > div:nth-child(1) > a

## WCAG2AA.Principle4.Guideline4\_1.4\_1\_2.H91.Button.Name

ERROR: This button element does not have a name available to an accessibility API. Valid names are: title attribute, element content.

<https://github.com/open-indy/Koa11y>

<https://github.com/brunopulis/awesome-a11y>