

Production Builds



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4.8 MB?!

O_o

The screenshot shows a web browser window with the address bar at `localhost:3000`. The page title is "Pluralsight Admin" and the user is logged in as "Cory". The page content includes a navigation bar with "Home", "Courses", and "About" links. The main heading is "Pluralsight Administration" with a subtitle "React, Redux and React Router in ES6 for ultra-responsive web apps." and a "Learn more" button.

The browser's developer tools are open to the "Network" tab. The "Filter" field is empty, and the "View" dropdown is set to "All". The "Network" tab shows a list of requests:

Name	Status	Type	Initiator	Size	Time	Conte...	Timeline
bundle.js	200	script	(index):8	4.8 MB	194 ms		
favicon.ico	200	text/ht...	Other	456 B	7 ms		
localhost	200	docum...	Other	456 B	7 ms		
__webpack_hmr	200	events...	Other	408 B	1.4 min		

The "bundle.js" request is highlighted with a red box, indicating its size of 4.8 MB. The status bar at the bottom shows "9 requests | 4.8 MB transferred | Finish: 1.4 min | DOMContentLoaded: 963 ms | Load: 962 ms".

The Plan



Setup production build process

/dist

index.html

bundle.js

styles.css

/src

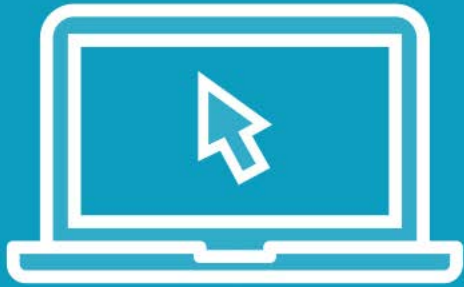
lots of files...

◀ **Production build**

◀ **Source Code**



Demo



Production build process

- Lint and runs tests
- Bundle and minify JS and CSS
- Generate JS and CSS sourcemaps
- Exclude dev-specific concerns
- Build React in production mode
- Open prod build in browser



Production Builds Matter

Essentials	Prod build	Dev build
64K!	121K	4.8MB

 Drop babel-polyfill, toastr, jQuery, Bootstrap



My Challenge To You



Challenges

1. Author administration
2. Delete course
3. Hide empty course list
4. Unsaved changes message
5. Client-side validation
6. Handle 404's
7. Show # courses in Header
8. Pagination
9. Sort course table
10. Revert abandoned changes



That's a wrap!



Production builds matter

- 4.8MB -> 121k

Courses by Cory House:

Building Applications with React and Flux

Intermediate 5h 8m 12 Aug 2015 ★★★★★ (718)

HTML5 Web Component Fundamentals

Beginner 5h 3m 9 Jan 2015 ★★★★★ (330)

Becoming an Outlier: Reprogramming the Developer Mind

Intermediate 2h 33m 23 Apr 2014 ★★★★★ (667)

Architecting Applications for the Real World in .NET

Intermediate 2h 52m 7 Jan 2014 ★★★★★ (1441)

Clean Code: Writing Code for Humans

Intermediate 3h 10m 7 Oct 2013 ★★★★★ (1491)

Special Thanks

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