

Production Deploy



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Here's the Plan



Separating the UI from the API

Hosting providers

Automated deployment

Handling starter kit updates

Inspiration

Challenge



Separating the UI from the API



Why Separate the UI and API?



- 1. Simple, low-risk, UI only deploys**
- 2. Separates concerns**
 - Separate teams
 - Less to understand
 - Scale back-end separately
- 3. Cheap UI hosting**
- 4. Serve UI via a content delivery network**
- 5. Use the API tech you like**



Automated Deployment



Cloud Hosting



Google Cloud Platform



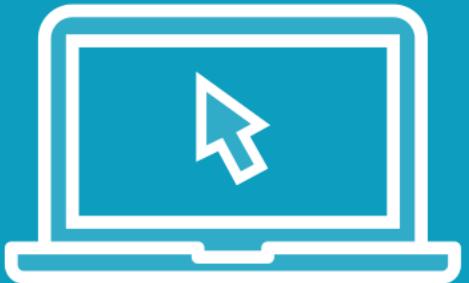
Static files only



Host UI



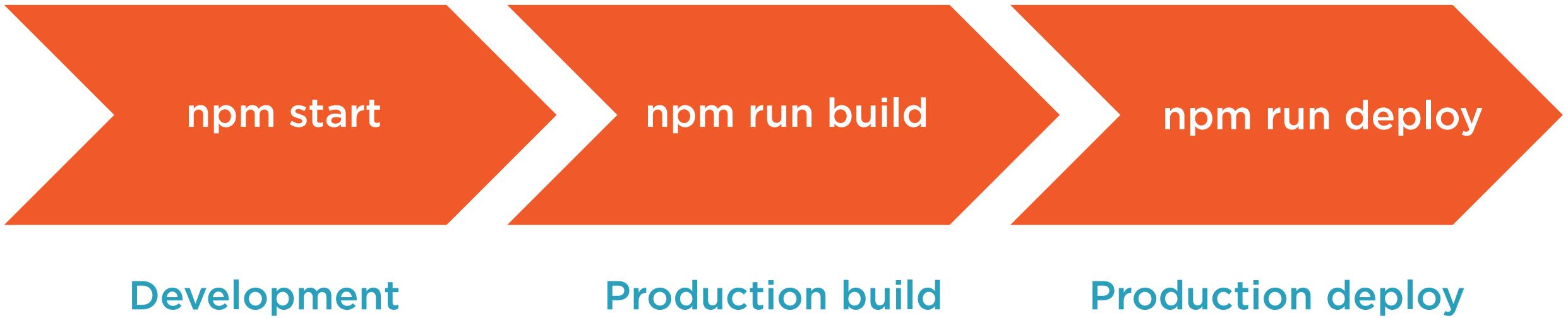
Demo



Automated API deploy to Heroku



The Path To Production



npm start

npm run build

npm run deploy

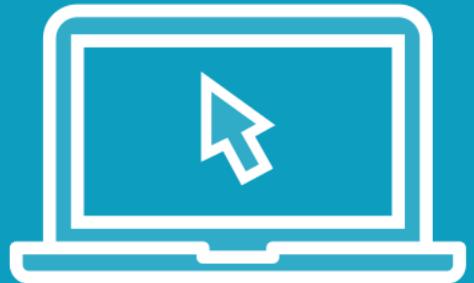
Development

Production build

Production deploy



Demo



Automated UI deploy



Update Approaches



Update Approaches

Q1 - Project A launches



How do we easily update these projects?

Q2 - Project B launches

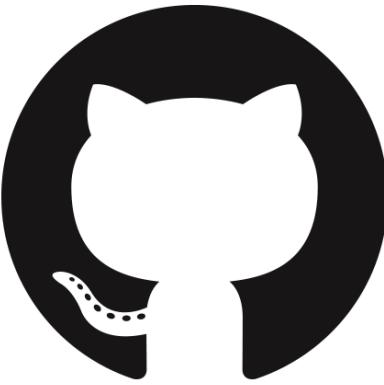
Q3 - Add enhancements and bug fixes to your starter kit



Update Approaches



Yeoman



GitHub



npm





THE WEB'S SCAFFOLDING TOOL FOR MODERN WEBAPPS



[Get started](#) and then [find a generator](#) for your webapp.

Generators are available for [Angular](#), [Backbone](#), [React](#), [Polymer](#) and over [3900+ other projects](#).

```
npm install -g yo
```

Updating Existing Projects with Yeoman



1. Commit
2. Scaffold over the existing project
3. Resolve conflicts manually





What do you want to learn?

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...



Yeoman Fundamentals

by Steve Michelotti

Yeoman has established itself as the preeminent code generation framework for web developers. This code-focused course shows how to get started with Yeoman with a focus on building your own custom Yeoman generator.

▶ Start Course

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Description

Exercise files

Discussion

Learning Check

Recommended

Expand all

▶ Introduction



10m 25s



▶ Using Yeoman Generators



18m 37s



▶ Creating a Yeoman Generator



22m 49s



Course author



Steve Michelotti

Steve Michelotti is a Microsoft ASP.NET MVP and an Architect/Developer for Applied Information Sciences (AIS). He has consulted at Advertising.com/AOL where he was the Tech Lead for one of the high...

Course info

Level Beginner

Rating ★★★★☆ (84)

My rating ★★★★★

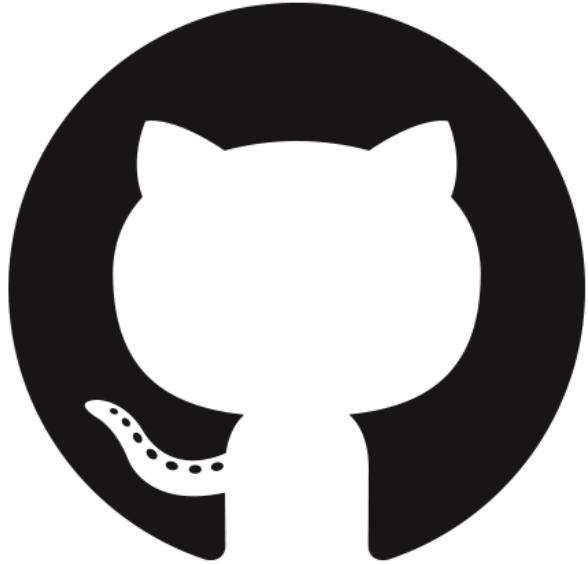
Duration 2h 32m

Released 17 Dec 2015

Request live mentoring

Bookmark

Updating Existing Projects with GitHub



1. **Host on GitHub**
2. **Fork starter kit for new project**
3. **Pull changes from master**



Updating Existing Projects with npm



1. Encapsulate kit in npm package
2. Update npm package to receive latest



What Can We Centralize via npm?

Item	Approach
<code>buildScripts</code>	<code>npm package</code>
<code>npm scripts</code> in <code>package.json</code>	Call scripts in npm package
<code>webpack.config</code> files	<code>npm package</code>
<code>.eslintrc</code>	Create preset



What Did We Centralize?

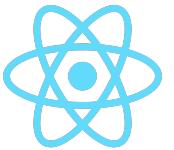
Centralized	Decentralized
<code>buildScripts</code>	<code>.editorconfig</code>
<code>Scripts in package.json</code>	<code>.babelrc</code>
<code>webpack.config</code>	<code>CI config (.travis.yml Appveyor.yml)</code>
<code>.eslintrc</code>	<code>Package references in package.json</code>



Inspiration



Find a React Starter Project...



with:

without:

Separate search terms with commas.

Examples: Try [redux](#) and [HMR](#), no [gulp](#) or [minimal react native](#) or [vanilla JavaScript](#).

107 matches

Most stars

facebookincubator/create-react-app

13112

8

Create React apps with no build configuration.

kriasoft/react-starter-kit

11070

99

React Starter Kit — isomorphic web app boilerplate (Node.js, Express, GraphQL, React.js, Babel 6, PostCSS, Webpack, Browsersync)

mxstbr/react-boilerplate

9868

97

:fire: A highly scalable, offline-first foundation with the best developer experience and a focus on performance and best practices.

erikras/react-redux-universal-hot-example

7664

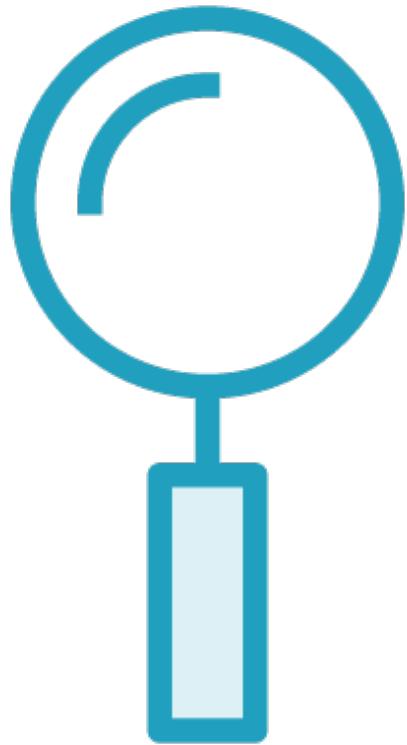
95



Seed Projects

- [AngularClass/NG6-starter](#) - An AngularJS Starter repo for Angular + ES6 + (Webpack or JSPM) by [@AngularClass](#).
- [tomastrajan/angular-js-es6-testing-example](#) - Angular JS seed repository with focus on unit & integration testing (ES6, webpack, karma, mocha), suitable for serious / enterprise projects.
- [flatlogic/angular-material-dashboard](#) - Angular admin dashboard with material design
- [ngbp/ngbp](#) - A sophisticated build management system for web apps
- [vesparny/angular-kickstart](#) - Speed up your AngularJS development and testing with a complete and scalable build system that scaffolds the project for you.
- [okigan/angular-sensible-seed](#) - Opinionated AngularJS starter project with per feature directory structure, static content, gulp build system, integrated logo/search/ui-router/ui-bootstrap/less.
- [angular/angular-seed](#) - Seed project for AngularJS apps.
- [vesparny/angularjs-playground](#) - A starting point that follows best-practices, for being up and running in minutes with AngularJS.
- [kmaida/reStart-angular](#) - Responsive AngularJS seed project following styleguide best practices.
- [StarterSquad/ngSeed](#) - AngularJS/RequireJS seed project.
- [tnajdek/angular-requirejs-seed](#) - This is a fork of Angular Seed but with changes needed for requireJS support.
- [btford/angular-express-blog](#) - Example AngularJS app using an Express + Node.js backend.
- [btford/angular-socket-io-seed](#) - A great starting point for writing AngularJS apps backed by a Socket.io-powered node.js server.

Want Inspiration? Search!



Development environment

Boilerplate

Starter kit

Starter project

Seed



Challenge



Send a meeting invite to your team.

- Would we benefit from a starter kit?
- What are our JS pain points?
- Would we benefit from a demo app?



That's a Wrap!



Why separate the UI and API?

- UI-only deploys, separated concerns, cheap UI hosting, tech flexibility

Hosting providers

Automated deployment

- Heroku and Surge

Handling starter kit updates

- Yeoman, Github, npm

Inspiration - Start googling!

Challenge: Schedule a meeting





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Pluralsight Author

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Cory is the principal consultant at reactjsconsulting.com, where he has helped dozens of companies transition to React. Cory has trained over 10,000 software developers at events and businesses worldwide. He is a seven time Microsoft MVP, and speaks regularly at conferences around the world. Cory...

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 Course · Beginner · 3 hr 19m · Jan 1, 2020 · ★★★★★ (212)

Building Applications with React and Flux

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Building Applications with React and Redux

 Course · Intermediate · 6 hr 39m · Mar 11, 2019 · ★★★★★ (1,702)

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 Course · Beginner · 5 hr 3m · Jan 8, 2015 · ★★★★★ (458)

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 Course · Intermediate · 2 hr 33m · Apr 23, 2014 · ★★★★★ (824)

Architecting Applications for the Real World in .NET

 Course · Intermediate · 2 hr 52m · Jan 6, 2014 · ★★★★★ (1,637)

Thanks for watching!

