

Deployment



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CODE WHISPERER

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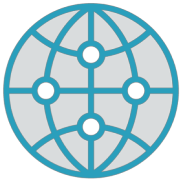


“The pain of parting is nothing to the joy of meeting again.”

Charles Dickens - *Nicholas Nickleby*



What Is Deployment?



Process of putting an application on the internet (where it can be accessed by anyone)



Cloud-based deployment services (AWS, Heroku) are good choices for Node application



Automatic deployment and integration with test suites is possible



Deployment Roadmap



Configure Heroku

Update constants for production

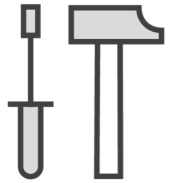
Add Bootstrap styles to React components



Configuring Heroku



What Is Heroku?



Sophisticated tool for hosting web applications



Node applications deployed to Heroku accessible via WWW

PAAS

One of many PAAS (platforms-as-a-service) that host applications



Coming up...



Sign up for Heroku Account

Install Heroku CLI

**Create staging area on Heroku
for application**

**Provision MongoDB instance
for production**



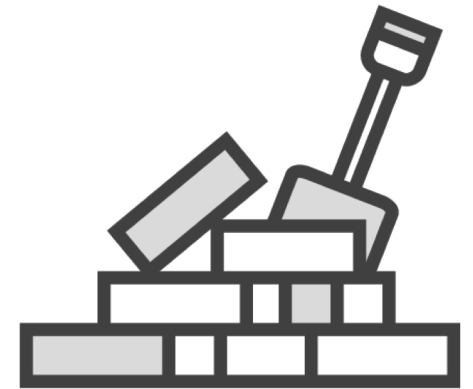
Updating the Application for Production



Updating the Application for Production

`http://app`

`:27017`



URLs for HTTP requests vary between development and production

Express ports are chosen by platform in production, not developer

npm start script used by PAAS to initialize application

Code must be bundled into ES5



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`< >`

`npm start` script used by PAAS to initialize application



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Demo



Add NPM script to bundle all code into a single ES5 file

Update Express to serve bundled file

Update DB connection to use production DB when required

Update sagas to refer to dynamic URL

Initialize database in production environment

Deploy the application



Adding Styling and Presentational Elements



Styling and Presentational Elements



Users have high expectations for UI



Good presentation increases confidence in application



Bootstrap allows standard styles to be added



Demo



Install Bootstrap via CDN
(Content Delivery Network)

Add Bootstrap styles to our existing
React components

Verify the application is looking good



Deployment Summary



Web applications must be deployed before end user can access them

Heroku or any of a number of PAAS (platforms-as-a-service) can be used to deploy Node applications

NPM start script is used to begin listening on PAAS-specified port

URLs used for HTTP requests and DB communication usually need to be updated for production



Coming up in the Next Module...



High-level summary

Challenge tasks

