Deploying React and Express to AWS

React and Express, best friends forever

Express

CREATE A "PRODUCTION" BRANCH

SET UP EXPRESS.STATIC

```
app.use(express.static('public'));
```

React

RUN NPM RUN BUILD

- This creates the "build" version of the react app.

COPY THE BUILD FILES TO EXPRESS' PUBLIC FOLDER

- Just drag and drop the files into the public folder
- Then, commit and push your production branch

BONUS POINTS: MODIFY THE REACT APP'S BUILD SCRIPT TO BUILD THEN COPY

```json
"build": "react-scripts build && cp -R build/* ../server/public",
```

AWS, is that a thing?

clone the backend

switch to the production branch

set up your .env

run npm install to install your dependencies

npm run reset-db

DO A SANITY CHECK by running node index.js

start your app with pm2

IF YOU MAKE CHANGES TO YOUR CODE:

- `git push` changes to github (for the production branch)

- `git pull` on AWS (for the production branch)
- `pm2 restart all`

tell nginx about your new node app

Domains, what are they?

Setting up an Ubuntu (or Debian) server

```sh
sudo apt update && sudo apt upgrade
sudo apt install build-essential
```

Then, run the install for nvm

```sh
curl -o- https://raw.githubusercontent.com/creationix/nvm/v0.34.0/install.sh | bash
```

log out and log back in

Install latest node

```sh
```

nvm install node

```