ON THE SAME DYNO

Option #3: Figure out how to deploy two web servers on one Heroku Dyno.

OP was trying to achieve what I wanted. He concluded that there was no

What kind of Nad gives up just because there are no answers on Quora and

One of the first results after doing a Google search was this **Quora post** where the

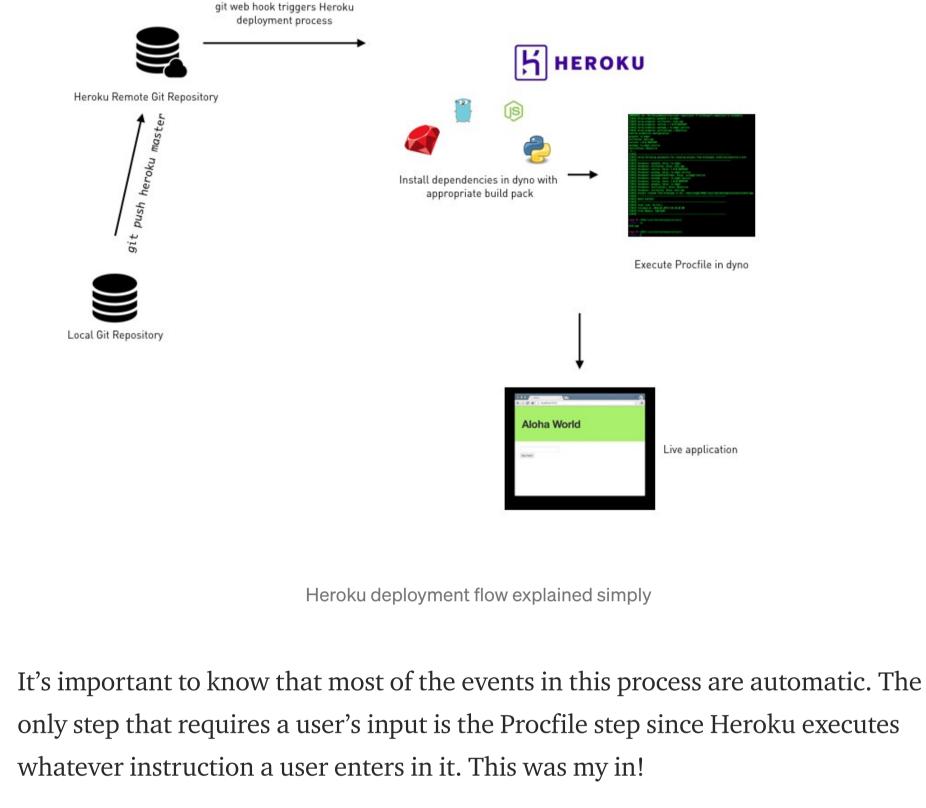
solution, and ended up with my Option #1. This was my cue to give up. But no.

I resumed my quest by thinking deeply about how Heroku triggers and manages

So I made Option #3

deployments.

StackOverflow? Not this limitless Nad!



With Honcho, I was set. I modified the root directory to look like:

With the new directory structure and files, here's how Heroku behaves:

requirements.txt

honcho==0.7.1

Procfile

In the past, I had used <u>Foreman</u> to manage server processes. Foreman is a Ruby

library that allows you to declare the processes that are necessary in order to run

your app in a file called a Procfile. Looks familiar to my current problem!

All I needed to do was trick Heroku into thinking I was deploying a Ruby app,

then tell it to run Foreman in the default Procfile, then Foreman will run my

I quickly realized that on this dyno I would have Ruby, Python, and Node

I prayed to the gods of open source via Google, and they showed me that

Foreman had ports in different languages, including a Python port called

dependencies. Not good.

Honcho.

root

- client

server

Procfile

README.md

- src

- app.py

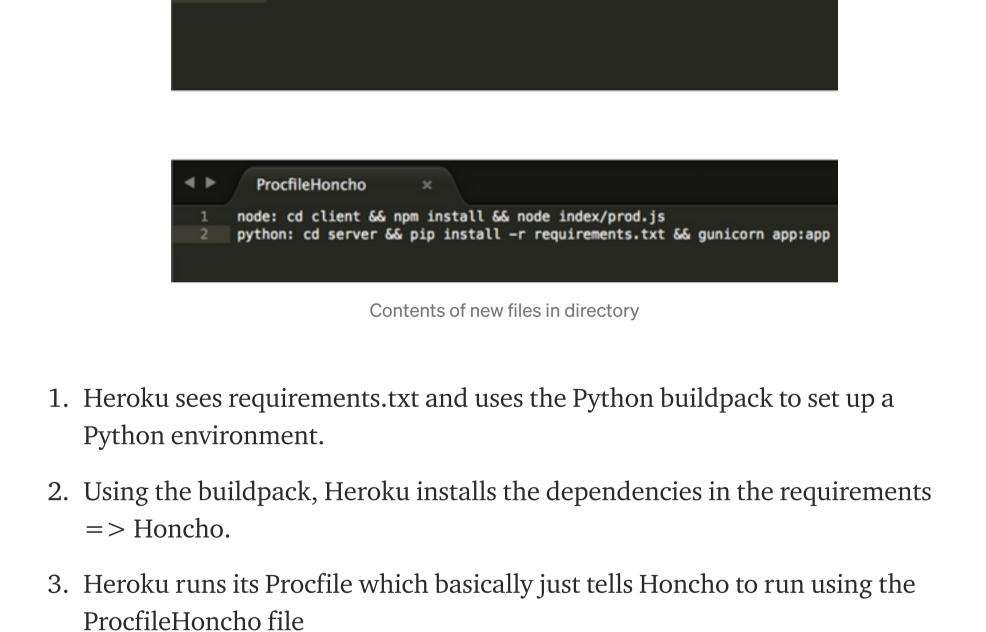
requirements.txt

ProcfileHoncho

- package.json

- requirements.txt

actual Procfile containing the startup instruction for the client and web servers.



4. Honcho runs the node process to fire up the node client server, then runs the

I'm feeling pretty good at this point until I try deploying again only to realize that

After reading the logs line-by-line, I figured that the node and python servers

deterministic, I set the NODE_ENV environment variable on Heroku to 5000

(you can use whatever number you want). I set the python server to always be

exposed on port 1337 by appending -b 0.0.0.0:1337 to the end of the second

were being exposed on random ports. To fix that and make the port assignments

python process to fire up the python server!

my node and python servers are inaccessible.

Redemption

line in ProcfileHoncho.

thoughts/questions.

More from Nadayar Enegesi

Published in **Initiate** · Nov 30, 2016

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web: honcho -f ProcfileHoncho start

Heroku dyno! Profit! I looked at the time; 6 am. I had spent way too much time bending the rules just to satisfy my curiosity.

Lesson learned: if it does not feel natural, forcing it would cause you pain. But, if

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if you have any questions or observations, use the comment section to share your

you follow the white rabbit, you may discover something cool.

I try deploying again, and boom! I had the client and server running on one

Thanks to Mohini Ufeli 1,264

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