

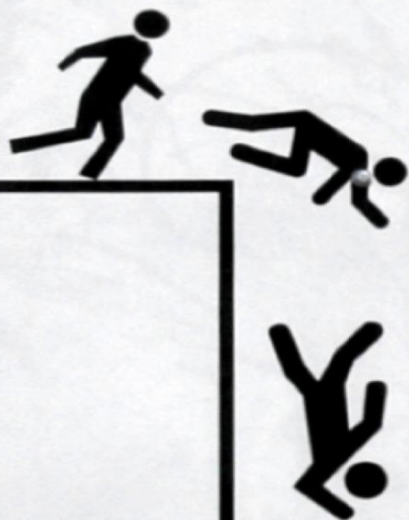
Planning to Scale

Doug Cone
@nullvariable



DANGER

DON'T RUN



BEWARE!

DEEP
SHAFTS

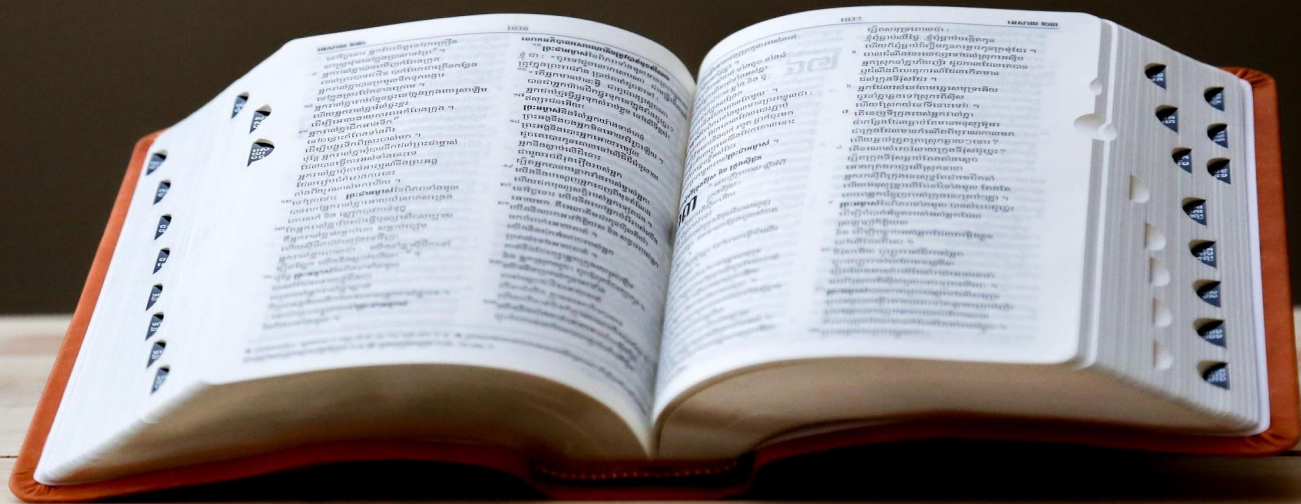


DON'T WALK
BACKWARDS



UNMARKED HOLES

OLD TIMER
MINE



Scale



cloud

DevOps



WebOps

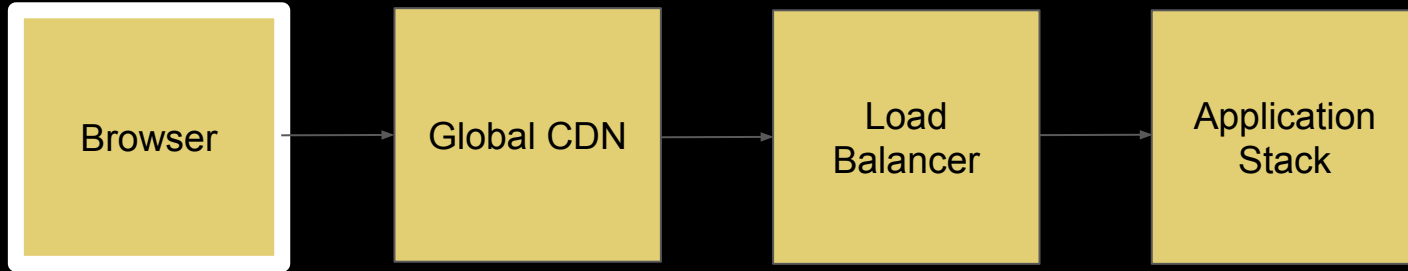
Cache

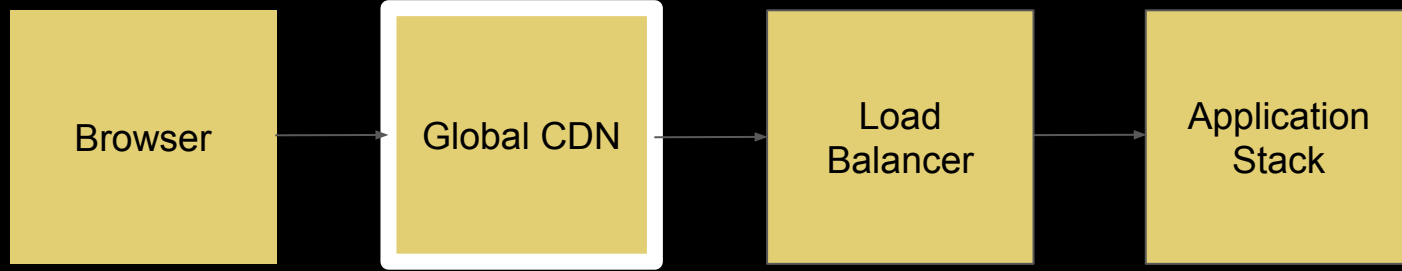


CDN

Planning to Scale







Global CDN

- Global edge locations worldwide
- HTTP/2



North America

- Ashburn 2X
- Atlanta 2X
- Boston
- Chicago 2X
- Columbus
- Dallas
- Denver
- Houston
- Los Angeles 2X
- Miami
- Minneapolis
- Montreal
- New York 2X
- San Jose 2X
- Seattle
- Toronto

South America

- São Paulo
- Rio de Janeiro

Europe

- Amsterdam
- Frankfurt 2X
- London 2X
- Madrid
- Paris
- Stockholm

Africa

- Cape Town
- Johannesburg

Asia

- Dubai
- Hong Kong
- Osaka
- Singapore
- Tokyo 2

Australia & New Zealand

- Auckland
- Brisbane
- Melbourne
- Perth
- Sydney
- Wellington

traceroute to www.carolina.codes (185.230.60.211), 30 hops max, 60 byte packets

1 _gateway (192.168.1.1) 2.505 ms 2.417 ms 2.343 ms

2 * * *

3 crr1lspbgs-c-tge-0-1-0-4.spbg.sc.charter.com (96.34.92.224) 20.422 ms 20.781 ms 20.918 ms

4 crr02gnvlsc-bue-100.gnvl.sc.charter.com (96.34.67.185) 18.793 ms 19.499 ms 19.910 ms

5 bbr01gnvlsc-bue-4.gnvl.sc.charter.com (96.34.2.54) 22.487 ms 25.120 ms 23.524 ms

6 bbr01chcgil-tge-0-1-0-6.chcg.il.charter.com (96.34.0.135) 25.945 ms 20.367 ms 21.877 ms

7 bbr02slidla-tge-0-1-0-4.slid.la.charter.com (96.34.0.133) 24.570 ms 27.132 ms 28.942 ms

8 prr01snjsca-tge-0-0-0-1.snjs.ca.charter.com (96.34.3.35) 30.835 ms 36.813 ms bbr02atlnga

111) 29.680 ms

9 4.68.37.125 (4.68.37.125) 39.079 ms 35.666 ms 36.804 ms

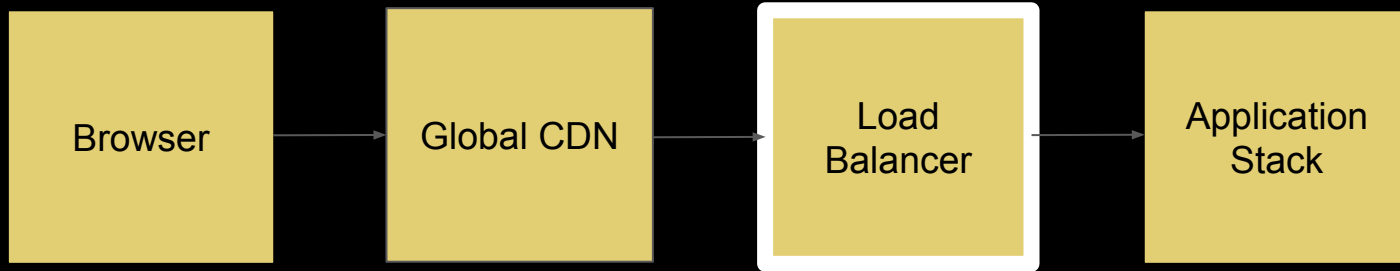
10 * * *

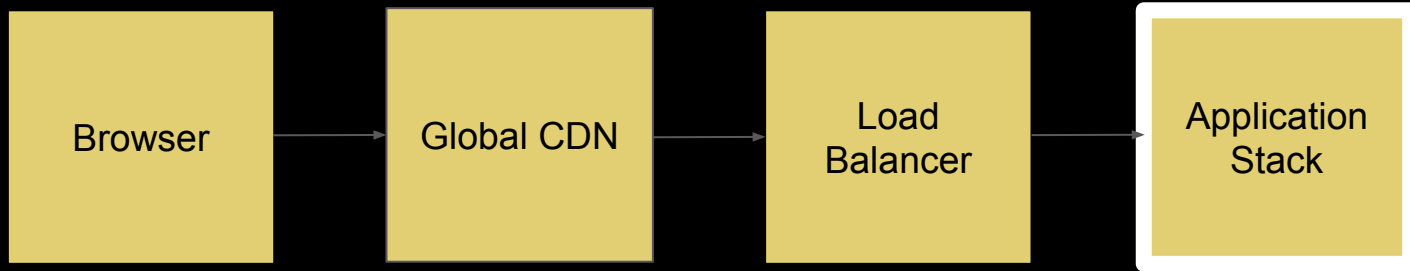
11 * * *

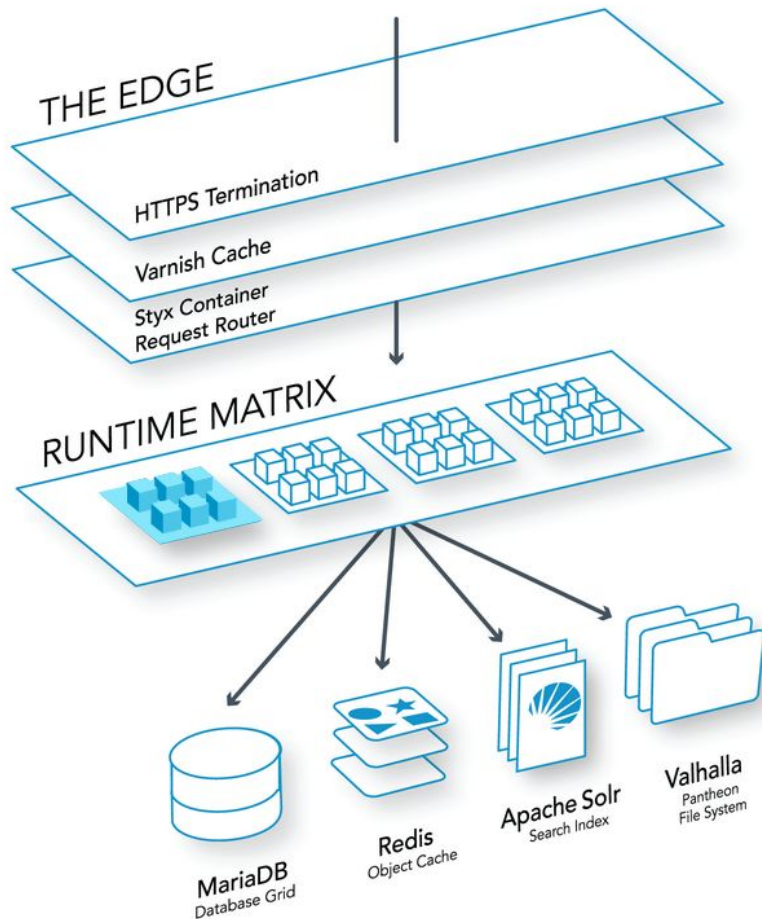
12 * * *

13 185.230.60.211 (185.230.60.211) 34.354 ms 36.426 ms 33.187 ms

→ ~



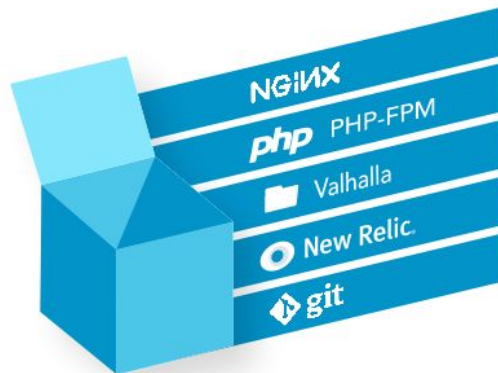


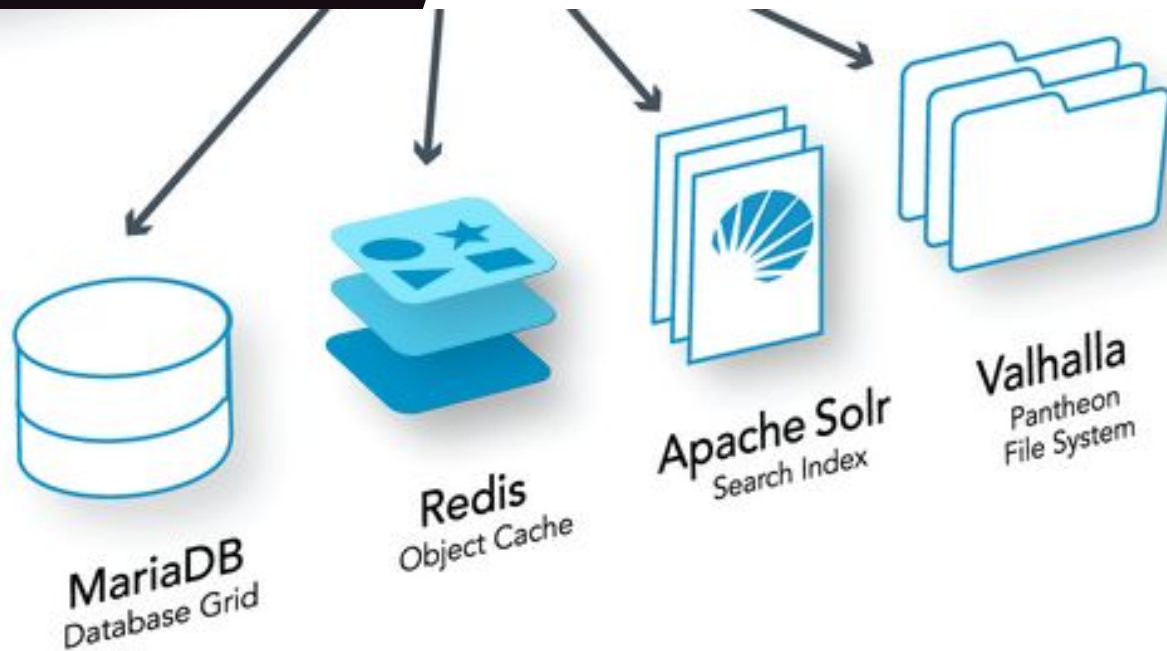


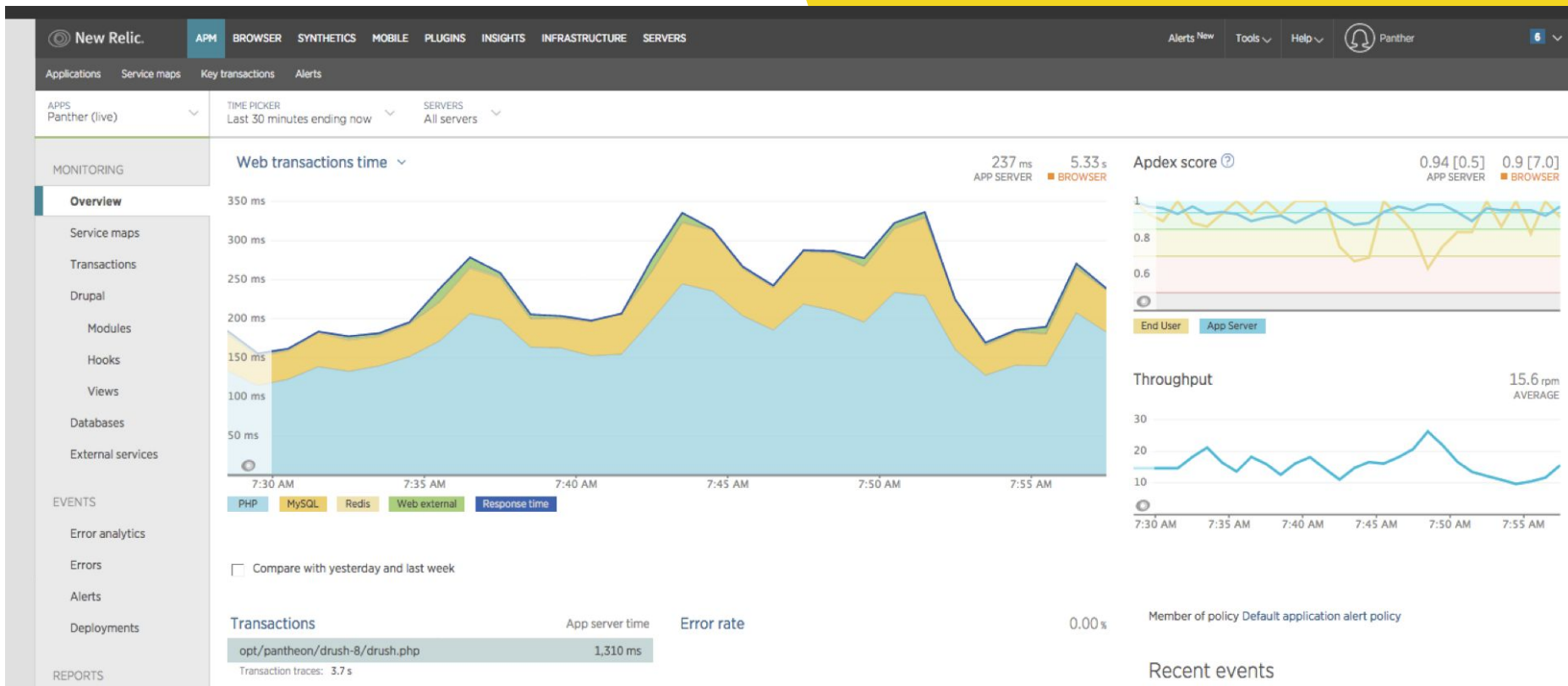
Inside a Container

The essence of a runtime container is a highly tuned PHP-FPM worker and its connections to the outside world. Incoming requests come via NGINX, which handles requests for static assets and passes dynamic requests to PHP. Runtime containers are "share nothing", but they have connections to services like Valhalla and New Relic. Developers access a container directly via a special encrypted SSH interface, giving access to CLI tools like rsync and SFTP.

[LEARN MORE >](#)







In Summary

- Keep the different layers of your application in mind as you build
- Low hanging fruit is important
- Cachability

Questions?



Thank You!

@nullvariable

Pantheon.io

Additional Reading:

- scalewp.io