

CDN PANEL: WHAT SHOULD NINA DO?

DISTRIBUTED SCALABLE EDGE DELIVERY HOSTING

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ME ME ME

- I'm representing an individual opinion, my views are my own.
- I've bought and sold transit and colo.
- I've bought, sold, used, and built CDN-like services.
- I've built things with servers, as well as rented time on servers.
- I've built things with and without backbones or peering.
- SO, I'd like to believe that I represent a blended perspective. ;)

DON'T WORRY!

I PROMISE NOT TO MENTION:

cloud |klaʊd|

noun

1 a visible mass of condensed water vapor floating in the atmosphere, typically high above the ground: *the sun had disappeared behind a cloud* | *the full moon, hidden by veils of cloud*.

OR

a version of the Internet Protocol (IP) intended to succeed IPv4

COMPUTING EVOLUTION

- Companies (of any sort) used to mostly purchase hardware deployed into custom topologies, and are increasingly using hosted-solutions / services.
- Custom CDN's are sprouting all over, in lieu of buying traditional CDN service, or in combination with buying.
- Sites / Networks are becoming edge aware, are deploying geographically, and desire proximity to the last-mile.
- Software is starting to transcend hardware topology.

THE PROBLEM?

Edge networks...

- ... sit on the valuable real-estate.

- ... host *some* CDNs.

- ... are forced to omit many CDNs.

- ... try to build their own CDNs (and fail).

- ... lose efficiency hosting heterogenous deployments run by different companies.

A SOLUTION...

The edge network should:

- Build scalable compute+storage+network farms.
- Offer “few” variants of bare metal optimized for a mutually beneficial compromise.
- Reduce heterogenous deployments.
- Scale with demand.
- Unlock more participants.

OTHER THOUGHTS...

- There will always be the gorillas who need their own cage... fine, whatever.
- The edge network can manage power, network, build-out, and hardware failure in one homogenous fashion thats compatible with their existence.
- Participants can enable rapidly, scale rapidly, and enable in far more places.
- The edge network can vastly increase the number of participants while reducing total operational overhead.

THANK YOU

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