# **CDN market concentration** Based on top [10M, 10K, 1K] websites <u>https://pulse.internetsociety.org/centralization</u>

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## nternet centralization Some context

- ISOC have been interested in this topic for several years
  - cf. Internet Consolidation Report 2019
- Trying to find ways to characterise and measure
- services to popular websites\*

\*all sites that are either in the <u>Alexa</u> top 10 million or in the <u>Tranco</u> top 1 million list

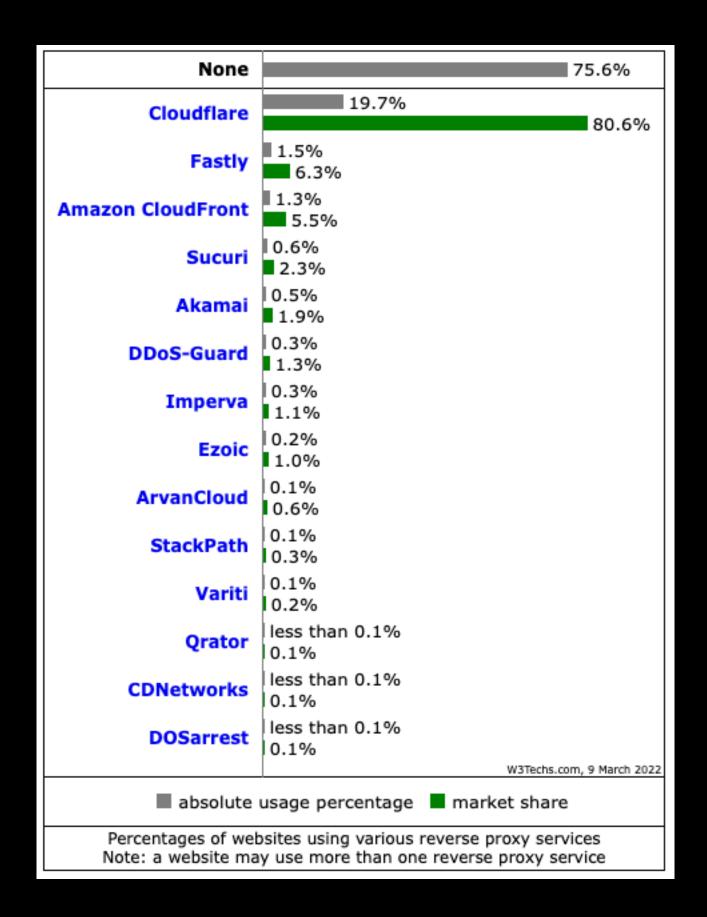


### Really focussed on long-term trends rather than specific numbers/dates

### Our current angle: market concentration of providers of various technology

## Our methodology YMMV

- Leveraging <u>W3Techs</u> web technology surveys
  - Domain -> DNS -> whois -> list of service providers for given market
- Marketshare calculated as ratio of sites using a provider to all sites using that technology (not all sites)
- We present Market Concentration view and Country Marketshare view on Pulse

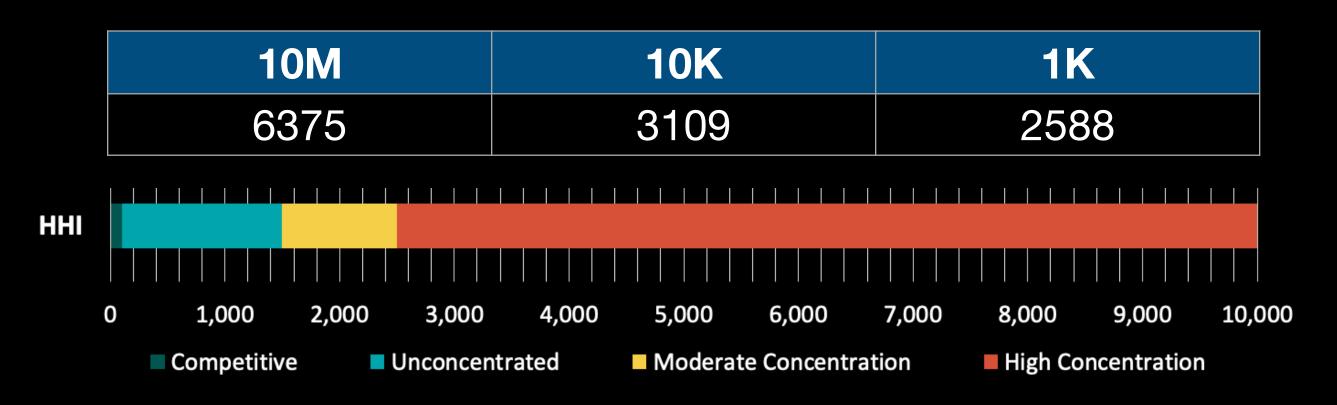


## Results **Market Concentration for CDNs**

to 1 (complete inequality)

10M	10K	<b>1K</b>
0.84	0.83	0.67

as relevant when considering Internet technology markets



### • Gini coefficient - a measure of (in)equality, ranges from 0 (complete equality)

• HHI - a measure of market competitiveness. Traditional thresholds may not be



# Feedback welcome

- Still actively working on this
- Have had some very useful feedback from the community already
- Would welcome more!

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