

# **“HTTP” Resource Record for DNS**

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# TL;DR summary

- “MX” record for web content:

`example.com IN HTTP cdn-host.cdn-network.example.com.`

- Allowed at the apex of a zone (unlike CNAME)
- Supports wildcard domain names (unlike SRV)
- Trivial to implement on authoritative servers and web host control panels
- Recursive servers MAY return corresponding A and AAAA records in answers, optionally fetching them first if not in cache
- Compatible with DNSSEC and EDNS Client Subnet

# Why I'm Here in HTTP-bis

- There is IMHO no way to provide a CNAME equivalent at the Apex that doesn't significantly complicate DNS servers, nor that will work nicely with geo-locating CDNs.
- An architecturally correct fix requires a (small) change to web browsers:
  - Look up the HTTP record in parallel with A and AAAA
  - Use the former if found
  - Yes, this means using something other than `gethostbyname()` or `getaddrinfo()`

# Questions?

*Please find me this week, or discuss on [http-srv@ietf.org](mailto:http-srv@ietf.org)*