

# NDN-FCH: The Big Rewrite™

| current NDN-FCH                                   | The Big Rewrite™  |
|---|---|
| limited ability to choose transport protocols     | JSON response contains available transport protocols  |
| no router health monitoring                       | periodical reachability tests from around the world <ul style="list-style-type: none"><li>• IPv4 &amp; IPv6</li><li>• UDP, WebSockets, HTTP/3 over QUIC</li></ul>     |
| single point of failure (9hr downtime in 60 days) | frontend on Cloudflare Workers <ul style="list-style-type: none"><li>• proxy to origin API servers</li><li>• fallback algorithm with country-level accuracy</li></ul> |
| MaxMind database download broken since 2019       | download GeoLite2 with MaxMind license key  |
| geo closest != network closest                    | collect RTT feedback from clients, improve future recommendations to clients in the same AS number (partial completion during hackathon)                              |

