Client ID in Forwarded DNS Queries

Robert Licht, robert.licht@charter.com
David Lawrence, tale@akamai.com

20 July 2017
Overview

- Provide device identification to resolver for filtering
  - Not sent to authorities
  - Flexible format for opaque data
- Obviously personally identifiable information
- PII in DNS EDNS(0) requests is already deployed
  - Nominum passes MAC addr in option 65073
  - Cisco/OpenDNS uses two:
    - 26946 for MAC
    - 20292 for full IP
  - Only 26946 appears in IANA registry, added recently
- Document existing practice? Improve it?

draft-tale-dnsop-edns0-clientid
• Incorporating feedback from Ted Hardie and Sara Dickinson
  • To be clear, their feedback did not indicate support
• Asked for EDNS code point under Expert Review process
  • Denied on grounds was too complicated, “registry of sub-options”
  • Reportedly would have been granted if asked for multiple points
• Expert Review process really needs improvement
  • As a general issue, not sore because this request was denied
  • Being pursued with chairs and IANA
• Would like working group adoption for client-id draft