Routing Request Redirection for CDN Interconnection

draft-he-cdni-routing-request-redirection-04

IETF 86

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Changes since -03

• Many editorial changes & re-structuring
  – Aligned terminology with accepted DNS terminology
  – Removed metadata link from the RI Request
• Added some initial text on loop detection
  – draft-choi-cdni-req-routing-redir-loop-prevention
    • Covers both loop detection for RI and for actual redirection/acquisition URLs
    • Covering loop detection for redirection/acquisition does not feel right (IMO) in the RI specification
      – What is the WG’s view?
• Included more text/detail on the RI protocol itself
  – On the wire formats explained rather than just examples
    • Request/Response message body syntax/structure
    • Individual properties for DNS/HTTP based redirection
    • Error responses still need more explanation
Open Editors’ Notes / Questions

• 14 editors’ notes, only pulled out most immediate ones
  – Welcome comments/feedback/text for the others too.
• Currently we only allow one of dns/http keys in response
  – Is this too inflexible? E.g. dCDN may be willing to do either
• Loop detection
  – Is cdn-path useful on responses as well as requests?
• HTTP redirection
  – Currently have Client IP & Request URI
  – What other attributes of the UA request need to be included to enable request routing? (METHOD, Version, Other Headers)
• Additional scopes to allow in RI responses?
  – Currently just have UA/DNS resolver IP address range
  – Ability to indicate wider scope on Request URI appears useful in some scenarios
  – What else?
• WG Adoption?