CDNI Redirection Interface

draft-ietf-cdni-redirection-17

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Update since Yokohama

• Currently in IESG review
• Four new versions (current: -17)

• Most important changes
  – Resolved Jon’s comments regarding DNS redirection
  – Updated use of TLS to keep draft in line with other CDNI drafts (moving target 😊)
  – Added RI Error Response registry in IANA section
  – Edits as a result of JSON review
  – Numerous edits as a result of AD and Shepherd review

• Currently in the process of addressing IESG comments
Privacy and CDNI

• Several IESG comments on privacy impact of CDNI Redirection

• Problem: communicating about UA IPs is fundamental to the idea of CDNI Redirection
  – The question is what role the dCDN (or uCDN) plays in protecting privacy for UAs
  – Tension between keeping CDNI in line with how the CDN world currently works, and privacy aspects
  – Example: uCDN sends user IP to dCDN to allow surrogate selection

• One way to deal with that is to use some form of IP ‘aggregates’ (similar to CDNI Logging)
  – E.g. masked IP, AS number, etc.
Next steps

• Work through IESG comments