draft-harrison-regext-rdap-redirect-with-content

Tom Harrison (tomh@apnic.net)
George Michaelson (ggm@apnic.net)
IETF 109 REGEXT Working Group
What is this about?

• When sending a redirect response, include what you know about the resource as the body of the response

• Use cases:
  - Redirector has useful less-specific information
  - Redirector conforms to an external profile
  - Redirector and target have differing information about the resource
  - Target is unavailable
Is this permitted? (1)

- RFC 7231: Hypertext Transfer Protocol (HTTP/1.1): Semantics and Content
  - For all redirect codes relevant to RDAP, the body of the response is usually hypertext with a hyperlink to the new URI
  - But this is not a normative requirement – returning substantive content appears to be fine
Is this permitted? (2)

- RFC 7480: HTTP Usage in the Registration Data Access Protocol (RDAP)
  - “A response may contain an answer, no answer, or a redirect, and clients are not expected to fork multiple paths of execution to make a query.”
  - The general model points toward there being “an answer” for a given query
  - But there is also nothing normative here that prevents returning related information in a redirect
Client signalling?

• The current text is such that the redirecting server always returns relevant content

• Avoids problems where there is a chain of redirects
  - There’s no need for each server in the chain to know about this document, and to pass on the client’s signal

• Without signalling, may be possible to register as RDAP extension in IANA registry
Related work

• draft-blanchet-regext-entityid2rdapserv
  – Authoritative server includes details about how to access another server for more information about the query
  – Motivated by the thin domain registry use case
  – Addressed the possibility of the servers returning overlapping data, and needing to merge responses
Open questions

- Can this be registered as an extension?
- Is it useful in the domain name space?
- Should it require client signalling?