

Request Routing Redirection  
Interface for CDN Interconnection  
draft-ietf-cdni-redirection-00  
IETF 87

**Ben Niven-Jenkins**

Danhua Wang, Xiaoyan He, Chen Ge,  
Wei Ni, Yunfei Zhang, , Spencer Dawkins

# Changes since individual draft

- Adopted as WG document
- Editorial changes
  - Cleaned up introduction text
  - Added text that how uCDN choose a dCDN is a local decision for the uCDN
  - Removed Section 3.1 as caused more confusion than it helped.
- Normative changes
  - A single request or response MUST contain only one of the dns or http keys.
  - Mandated inclusion of cdn-path property in both RI requests & responses.
  - Added dns-only property to RI requests to allow uCDN to specify that it requires the dCDN to use DNS redirection.
  - Added cs(<HeaderName>) to RI requests to allow uCDN to pass any header value in the UA request to the dCDN over the RI.
  - If a uCDN has multiple cached responses with overlapping scopes, longest prefix matching of the User Agent's IP against the IP subnets returned in the scope property of a RI response SHOULD be used.

# Open Editors' Notes / Questions

- Resolved issues, Action on editors to create text to address:
  - Text describing requirement for data plane loop detection as well as RI loop detection
    - No normative text on actual solution.
  - JSON encoding – text to describe media types used, minimum properties to parse, format of scope & error properties.
  - Expand/Better describe cacheability and scope components of RI responses.
  - Additional examples of RI requests/responses (including error responses) illustrating different use cases.
  - Security Considerations needs lots of work
- Alignment with other drafts
  - Alignment with URI Signing draft TBD.
- Items that require WG input
  - None currently
  - But feedback, comments, text suggestions etc. are welcome 😊

# Next Steps

- Target of end September for an -01
  - Addressing Editors' actions (previous slide)
  - Any other feedback received