CDNI Redirection Interface draft-ietf-cdni-redirection-08

IETF92

Dallas

Ben Niven-Jenkins, Ray van Brandenburg (editors)

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

Update since Hawaii

- Went through WGLC
- Three new versions (current: -08)
- Incorporated edits from reviews by Francois, Kevin and Bert (Thanks!)
 - Clarified use of 'cdn-path'
 - Minor changes to signalling of DNS redirection
 - Added recommendations on dealing with duplicate HTTP headers in original request
 - Added additional Redirection error codes
 - Update terminology to be in line with other CDNI documents
 - Lots of minor edits

Support for TLS

- Version -07 added mandatory support for TLS
 - Mandatory to implement, not mandatory to use
 - Allows CDNIs to decide to use other mechanism for confidentiality (e.g. IPsec)
 - Mandatory: TLS_DHE_RSA_WITH_AES_128_GCM_SHA256
 - Recommended to use cipher suite supporting perfect forward secrecy
- Since then, it was proposed to refer to 'draft-ietf-uta-tls-bcp' instead of defining own TLS profile
 - Will be included in -09
- In addition, there has been some discussion on the list whether UTA is strict enough for new specs
 - However, currently such stricter specs do not exist
 - CDNI doesn't have the necessary expertise to define TLS profiles
 - In absence of stricter guidelines from UTA, will reference existing 'draftietf-uta-tls-bcp'

Next steps

- Push -09 including reference to UTA
- Submit to IESG?