

CDNI URI Signing

(draft-leung-cdni-uri-signing-03)

CDNI Working Group
IETF 88 Vancouver, Canada
Nov 7, 2013

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Changes in Version 3

- Editorial nits
- Attributes that need to be added to a Signed URI MUST be appended
- URI Signing attributes are encoded and stored in the URI Signing token
- Added some content in the CDNI interface sections
- Added Privacy section

Current Issues

1. Against the adding of features to protocols or applications by specifying a particular structure for URIs in the standards
 - draft-nottingham-uri-get-off-my-lawn
- Possible resolution?
 - Revise draft to not specify structure for URI with fixed set of attributes
 - URI Signing parameters are based on name-value pairs
 - CDNI metadata conveys how query string is encoded to include URI signature and algorithm used when URI Signing is enabled
 - Signed URI is used to reference a resource
 - Downstream CDN validates Signed URI based on the CDNI metadata

Current Issues

2. Address comments posted on the ML from Kevin Ma
 - SHOULD maintain same level of security (i.e. hash function) for signed Redirection URI
 - Specify the following for the URI Signing parameters:
 - Mandatory to use, optional to use
 - Mandatory to implement (e.g. SHA1)
 - Clarify the fallback scheme method works only when the port of the protocol is not specified
 - Fix inconsistencies regarding mandatory packaging attribute
 - Some others ...

Next Steps

- URI Signing has been added to WG charter
- Adopt this draft as the base WG draft after next revision?