CDNI URI Signing
(draft-leung-cdni-uri-signing-03)

CDNI Working Group
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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 URISigning 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?