URI Signing
(draft-ietf-cdni-uri-signing-00)

CDNI Working Group

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Kent Leung (Cisco Systems)

Francois Le Faucheur (Cisco Systems)

Ray van Brandenburg (TNO)

Bill Downey (Verizon Labs)

Michel Fisher (Limelight Networks)

Changes From Individual to WG

- User Agent Attributes section is added to clarify the insertion of query string attributes by UA
  - OK for UA to append new attributes after URI Signing Package attribute
  - dCDN is RECOMMENDED to ignore any query strings appended after the URI Signing Package Attribute for the purpose of content selection
- SHA-256 is the only and default function for HMAC
- No change in draft: EC-DSA is the only and default for Digital Signature
- No change in draft: Key ID (KID) is authorized using metadata or config
- Edits in the Calculating the URI Signature procedure (note: need to fix some steps in next version)
- New author Michel Fisher and acknowledge Scott Leibrand

Incoming Liaison from MPEG DASH

- MPEG DASH noticed our work on URI Signing, felt it would be good to work together, increasing chances of adoption on both sides
  - Scope: Not just for CDNI, but for CDN in general
- MPEG send liaison to IETF, asking for more information and possibilities for alignment, e.g.
  - MPEG works on client-side
  - IETF works on server-side
  - Use cases by MPEG: URI signing of ABR
- Several contributions at last two MPEG meetings
  - TNO (Ray) is also involved
- Impact on URI Signing draft is TBD
  - Might be limited to a few more enforcement attributes (e.g. valid-from)

Next Steps

- Get WG review comments on version -00
- Discuss MPEG DASH related attributes in base draft and/or new ABR draft
- Review CDNI Interfaces section
  - Control
  - Logging
- Update to CDNI Interfaces section
  - Footprint & Capabilities Advertisement
  - Request Routing Redirection
  - Metadata
- IANA section update based on CDNI interfaces