CDNI Logging
draft-ietf-cdni-logging-12 & -13

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Changes between -11 and -12

Mainly, we've addressed:

- Modifications agreed upon in London
- David Harrington "early" OPSDIR review
- A few points discussed on the mailing list

Changes between -11 and -12

- Split « CDNI Logging File Exchange Protocol » into
  - Protocol for Exchange of CDNI Logging File After Full Collection (section 4) (aka "non-real-time" exchange)
  - Protocol for Exchange of CDNI Logging File During Collection (section 5) (aka "real-time" exchange)
    → introduce the concept of "Tail-ing" of the CDNI Logging File to make it clear that current CDNI Logging File structure is compatible with "real time" exchange
    →declare outside scope of present document

Changes between -11 and -12

- Added «Cascaded CDNI Logging Files Example»
  - (section 3.6) and a discussion on the logging delay and handling of Verified-Origin and Claimed-Origin

- Added example of multiple occurrences of the « Fields » directive: a change in the agreement about the set of fields to be logged by the dCDN

Changes between -11 and -12

- As discussed on list, clarified the use of HTTP cache control headers on the CDNI Logging feed:

  "

  The server-side implementation **MUST** be able to set, and **SHOULD** set, HTTP cache control headers on the subscription feed to indicate the frequency at which the client-side is to poll for updates.

  The client-side **MAY** use HTTP cache control headers (set by the server-side) on the subscription feed to determine the frequency at which to poll for updates. The client-side **MAY** instead, or in addition, use other information to determine when to poll for updates (e.g., a polling frequency that may have been negotiated between the uCDN and dCDN by mechanisms outside the scope of the present document and that is to override the indications provided in the HTTP cache control headers).

  "

Changes between -11 and -12

- Clarified that both client & server sides in the CDNI logging file pull mechanism MUST at least support HTTP/1.1 and MAY support other versions of HTTP

- Deleted/merged redundant text about MD5 protection (or lack thereof) vs using HTTPS for transport (already discussed in section 7.1)

- CDNI Logging Record-Types Registry:
  - Extended registry with a "Description" column
  - Added naming recommendations

Changes between -11 and -12

- Dismissed the proposal to add in this document a specification for support of real-time exchange of cdni logging information (in line with explicit decision made earlier by WG)

- Dismissed the proposal to add in this document a specification of a protocol to dynamically configure the logging parameters (in line with explicit decision made earlier by WG)

- In multiple places, clarified distinction between "mandatory to implement" and "mandatory to use"

Changes between -12 and -13

- Reflected thread on the list : "Utility of Verified-Origin and Claimed-Origin?"

- Renamed "Verified-Origin" into "Established-Origin"

"this contains the identification, as established by the entity receiving the CDNI Logging File, of the entity transmitting the CDNI Logging File (e.g., the host in a dCDN supporting the CDNI Logging interface) or the entity responsible for transmitting the CDNI Logging File (e.g., the dCDN).

This directive MAY be added by the uCDN (e.g., before storing the CDNI Logging File). It MUST NOT be included by the dCDN. The mechanisms used by the uCDN to establish and validate the entity responsible for the CDNI Logging File is outside the scope of the present document. We observe that, in particular, this may be achieved through authentication mechanisms that are part of the transport layer of the CDNI Logging File pull mechanism (Section 4.2)."

Next steps

- Publish asap new version :
  - Insert correct values for Integrity-Hash in CDNI Logging File examples (currently flagged with an Editor's Note)
  - If needed, align to FCI work

- Then, request Publication (IESG Review)