

CDN Interconnection Metadata

draft-ietf-cdni-metadata-09

IETF 92

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Update since IETF91 (1/3)

- Addressed comments from independent (non-author) reviews
 - Thanks Linda & Jan!
- Authors performed cover to cover review:
 - Updated references to Framework & Requirements documents to their respective RFCs – RFC7336 & RFC7337
 - Clarified that first host in HostIndex that matches MUST be used
 - Section 3.2 stated that a dCDN could serve content when the incomprehensible flag is True and the mandatory-to-enforce (MtE) flag is True if the dCDN understands that metadata object.
 - Changed to “MUST NOT serve” because even if the dCDN understands the MtE metadata the fact the metadata has not been transformed (i.e. It is marked as incomprehensible) essentially means that that metadata object is "corrupted" from the point of view of the dCDN

Update since IETF91 (2/3)

- Added encoding details for footprint types: IPv4CIDR (Section 4.3.7), IPv6CIDR (Section 4.3.8), Autonomous System Number (Section 4.3.9) and Country Code (see Section 4.3.10)
- Added text to clarify behavior of dCDN if it cannot retrieve all the metadata it requires, e.g. because uCDN returns a 4xx or 5xx status code for that metadata
 - dCDN MUST NOT serve the requested content unless the dCDN has stale versions of all the required metadata and the stale-if-error Cache-Control extension [RFC5861] was included in all previous responses that are required but cannot currently be retrieved
 - The dCDN can continue to serve other content for which it can retrieve (or for which it has fresh responses cached) all the required metadata even if some non-applicable part of the metadata tree is missing
- Updated MIME Media Types table in 6.4.1 to include all Media Types defined/used

Update since IETF91 (3/3)

- Removed Generic Metadata Type Registry
 - It just recorded which Generic Metadata objects are mandatory to enforce (MtE) or safe to redistribute (StR), but...
 - ...MtE is defined by the specification defining that Generic Metadata Object
 - ...StR is defined by the uCDN
 - No longer requires Expert Review to define new CDNI Metadata, Media Type (& associated specification) is sufficient
- Trimmed the Protocol Types Registry to just HTTP1.1 & HTTPS1.1
 - These are the only protocols supported by the CDNI Metadata defined in the document
 - Other protocols can be registered by future documents that require them
- Several minor editorial changes
- Published -09

Open Points

- **Non of these should prevent WG Last Call (IMO)**
- Bug in one of the examples left over from removing FTP from the Protocol Sub-Registry
 - Fixed in editors' working copy of -10
- Update document with final WG consensus text for TLS in Security Considerations
- IANA Considerations does not include Media Type registration templates
 - Following Logging draft's example
- Address any comments received during WG LC