

CDNI Requirements

(draft-ietf-cdni-requirements-02)

CDNI Working Group
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Change History

Version -02

- Published on Dec 7, 2011
- Incorporated ATIS CSF requirements

ABR Awareness

- General ABR issue that is applicable to CDNI Interfaces such as Request Routing, Metadata, and Logging
- Some new requirements may be added to address support for ABR content in the CDNI Interfaces
- Action item depends on ABR ramification study

Redirection for Cascaded CDNs

- Proposal to add a new requirement that specifically exempts the support for DNS-based request routing for a given content in the case of cascaded CDNs with a diamond shaped multi-path topology
- Any objections?

Trigger Function

- Purge of content and metadata and pre-position of content and metadata are requirements in the Control Interface
- Depending on the solution, the requirements may need to be categorized under the proper CDNI Interface section (e.g. Metadata vs. Control)
- Action item depends on the Trigger solution

Intra-CDN Information Exposure

- Is the following requirement sufficiently clear?
 - “GEN-4 [HIGH] The CDNI solution shall not require intra-CDN information to be exposed to other CDNs for effective and efficient delivery of the content. Examples of intra-CDN information include surrogate topology, surrogate status, cached content, etc.”

uCDN Authorization Metadata

- Proposal to add a new requirement that specifies metadata to instruct the dCDN to always ask the uCDN before delivering the content (because the decision is based on information that only uCDN knows)
- Objections?

Anything Else?

- In case we've missed some requirement issues that were mentioned in the WG mailing list

Status

- Goal: Jun 2012 - Submit CDNI requirements to IESG as Informational
- ABR issues may prevent the spec from being completed on time