

CDNI Working Group (CDN Interconnect)

Welcome to CDNI

- IETF-103 Meeting Chairs:
 - Kevin Ma (remote)
 - Phil Sorber
 - Francois Le Faucheur
- One session
 - Tuesday, November 6, 2018, 11:20-12:20, Boromphimarn 4
 - Remote attendance/presentations via Meetecho
- Minute takers?
- Blue sheets

Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- [BCP 9](#) (Internet Standards Process)
- [BCP 25](#) (Working Group processes)
- [BCP 25](#) (Anti-Harassment Procedures)
- [BCP 54](#) (Code of Conduct)
- [BCP 78](#) (Copyright)
- [BCP 79](#) (Patents, Participation)
- <https://www.ietf.org/privacy-policy/> (Privacy Policy)

Agenda

- **Opening**
 - Agenda bashing & introduction: Chairs (5 min)
 - Document status update: Chairs (5 mins)
- **CDNI URI Signing:**
 - draft-ietf-cdni-uri-signing : Phil Sorber (5 min)
- **HTTPS Delegation**
 - draft-fieau-cdni-interfaces-https-delegation: Frederic Fieau (5 min)
- **SVA OC Extensions**
 - draft-ietf-cdni-request-routing-extensions: Ori Finkelman (10 min)
 - draft-finkelman-cdni-triggers-sva-extensions: Ori Finkelman (10 min)
- **Closing**
 - Re-chartering discussion: Chairs (15 min)
 - Conclusions and next steps: Chairs (5 min)

Working Group Milestones: Published RFCs

- RFC 6707: CDNI Problem Statement (Informational)
- RFC 6707: CDNI Use Cases (Informational)
- RFC 6983 : Models for HTTP-Adaptive-Streaming-Aware CDNI (Informational/Independent Submission)
- RFC 7336: Framework for Content Distribution Network Interconnection (Informational)
- RFC 7337: Content Distribution Network Interconnection (CDNI) Requirements (Informational)
- RFC 7736: CDNI Media Type Registration (Informational)

Working Group Milestones: Published RFCs

- RFC 7937 Content Distribution Network Interconnection (CDNI) Logging Interface (Proposed Standard)
- RFC 7975 Request Routing Redirection Interface for Content Delivery Network (CDN) Interconnection (Proposed Standard)
- RFC 8006 Content Delivery Network Interconnection (CDNI) Metadata (Proposed Standard)
- RFC 8007 Content Delivery Network Interconnection (CDNI) Control Interface / Triggers (Proposed Standard)
- RFC 8008 Content Delivery Network Interconnection (CDNI) Request Routing: Footprint and Capabilities Semantics (Proposed Standard)

Working Group

Remaining Milestones

- CDNI Requirements : Done (Informational)
- CDNI Framework: Done (Informational)
- CDNI Logging interface : Done (PS)
- CDNI Metadata interface: Done (PS)
- CDNI Redirection interface: Done (PS)
- CDNI Control interface (Triggers) : Done (PS)
- CDNI Footprint & Capabilities Adv - Semantics: Done (PS)
- URI Signing for CDNI: ? (PS)

Beyond Working Group Milestones

- CDNI HTTPS Delegation Extensions
- CDNI Request Routing Extensions
- CDNI Control Interface / Triggers Extensions
- CDNI Rate Pacing

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Re-Chartering

- IETF 84:
 - Based on recommendations in RFC 6983, the WG decided to defer HTTP Adaptive Streaming (HAS) optimizations, to be reconsidered as part of re-chartering, after completion of the initial CDNI milestones; however pre-positioning of HAS content was not addressed in RFC 6983.
 - <https://www.ietf.org/proceedings/84/slides/slides-84-cdni-14.pdf>
- The existing charter does not prohibit HAS support in the Control interface, but the charter does state that:
 - “In the event that protocol extensions or new protocols are deemed necessary by the WG, the WG will recharter.”
- Given the increased relevance of HAS, the chairs propose adding a new milestone for a HAS optimized Control interface:
 - “Submit Enhanced CDNI Control Interface with HAS support to IESG as Proposed Standard“
- Discussion/Hum