CDNI Working Group
(CDN Interconnect)
Welcome to CDNI

• IETF-96 Meeting Chairs:
  – Francois Le Faucheur
  – Kevin Ma

• One session
  – Wednesday, July 20, 2016, 14:00-15:30, Lincke
  – Remote attendance/presentations via Meetecho

• Minute takers?

• Blue sheets
Note Well

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Agenda

- **Opening**
  - Agenda bashing & introduction: Chairs (5 mins)
  - Document status update: Chairs (10 mins)

- **CDNI Metadata**
  - CDNI Metadata, draft-ietf-cdni-metadata: Kevin Ma (10 mins)

- **CDNI Footprint & Capabilities Advertisement interface (FCI)**
  - draft-ma-cdni-capabilities: Kevin J. Ma (5 min)
  - draft-seedorf-cdni-request-routing-alt0: Jan Seedorf (10 min)

- **CDNI Request Routing Redirection interface:**
  - draft-ietf-cdni-redirection: Ray van Brandenburg (10 mins)

- **CDNI URI Signing:**
  - draft-ietf-cdni-uri-signing: Ray van Brandenburg (10 mins)
  - draft-brandenburg-cdni-uri-signing-for-has: Ray van Brandenburg (10 mins)

- **HTTPS and delegation of encrypted traffic between interconnected CDNs**
  - draft-cdni-fieau-lurk-https-delegation: Frederic Fieau (10 mins)

- **Closing**
  - Conclusions and next steps: Chairs (5 mins)
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:
in “RFC Editor Queue”

• RFC TBD: CDNI Footprint & Capabilities Semantics (Proposed Standard)
• RFC TBD: CDNI Logging Interface (Proposed Standard)
• RFC TBD: CDNI Control (Triggers) Interface (Proposed Standard)
Working Group
Remaining Milestones

- CDNI Requirements : Done (Informational)
- CDNI Framework: Done (Informational)
- CDNI Logging interface : Done (PS)
- CDNI Metadata interface: (PS)
- CDNI Redirect interface: (PS)
- CDNI Footprint & Capabilities: Adv - Semantics: Done (PS)
- CDNI Footprint & Capabilities Adv Interface: (PS)
- URI Signing for CDNI: (PS)

• Under IESG Review
Working Group
Remaining Milestones

- CDNI Requirements: Done (Informational)
- CDNI Framework: Done (Informational)
- CDNI Logging interface: Done (PS)
- CDNI Metadata interface: (PS)
- CDNI Redirection interface: (PS)
- CDNI Control interface (Triggers): Done (PS)

- Under IESG Review
Working Group
Remaining Milestones

• CDNI Requirements : Done (Informational)
• CDNI Framework: Done (Informational)

• Two individual I-Ds discussed today:
  – draft-ma-cdni-capabilities
  – draft-seedorf-cdni-request-routing-alto

• CDNI Control & Capabilities Adv (Triggers) : Done (PS)
• CDNI Footprint & Capabilities Adv - Semantics: Done (PS)
• CDNI Footprint & Capabilities Adv Iface: (PS)
• URI Signing for CDNI: (PS)
Working Group
Remaining Milestones

- CDNI Requirements: Done (Informational)
- CDNI Framework: Done (Informational)
- CDNI Logging interface: Done (PS)
- CDNI Metadata interface (PS)
- CDNI Footprint & Capabilities Adv Advantages: Done (PS)
- CDNI Footprint & Capabilities Adv Interface: (PS)
- URI Signing for CDNI: (PS)

- draft-ietf-cdni-uri-signing under WG Last Call
- draft-brandenburg-cdni-uri-signing-for has for handling of HTTP Adaptive streaming to be discussed today
Beyond Working Group Milestones

- CDNI Rate Pacing
- CDNI handling of HTTPS Delegation
- New I-D discussing use of LURK for CDNI
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Back-up Slides
Final Interface Names

- **CI**: CDNI Control interface
- **MI**: CDNI Metadata interface
- **LI**: CDNI Logging interface
- **RI**: CDNI Request Routing Redirection interface
- **FCI**: CDNI Footprint & Capabilities Advertisement interface
CDNI Expanded Reference Model

Expanded reference model: Fig 1 of cdni Framework