CDNI Working Group
(CDN Interconnect)

Francois Le Faucheur
Daryl Malas
Welcome to CDNI

- IETF-88 Meeting Chairs:
  - Francois Le Faucheur
  - Daryl Malas

- One session
  - Thursday 15:20-17:20, Georgia A

- Using WebEx instead of Jabber
  - [http://www.ietf.org/meeting/88/remote-participation.html](http://www.ietf.org/meeting/88/remote-participation.html)

- Minute takers?

- Blue sheets
Note Well

This summary is only meant to point you in the right direction, and doesn't have all the nuances. The IETF's IPR Policy is set forth in BCP 79; please read it carefully.

The brief summary:

❖ By participating with the IETF, you agree to follow IETF processes.

❖ If you are aware that a contribution of yours (something you write, say, or discuss in any IETF context) is covered by patents or patent applications, you need to disclose that fact.

❖ You understand that meetings might be recorded, broadcast, and publicly archived.

For further information, talk to a chair, ask an Area Director, or review the following:
BCP 9 (on the Internet Standards Process)
BCP 25 (on the Working Group processes)
BCP 78 (on the IETF Trust)
BCP 79 (on Intellectual Property Rights in the IETF)
Agenda (1/2)

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

• **CDNI Metadata**
  – CDNI Metadata, draft-ietf-cdni-metadata-03: Matt Caulfield (10 mins)

• **CDNI Footprint & Capabilities Advertisement interface**
  – Footprint & Capabilities Semantics, draft-ietf-cdni-footprint-capabilities-semantics-01: Jan Seedorf (10 mins)
  – Footprint & Capabilities Advertisement with ALTO, draft-seedorf-cdni-request-routing-alto-05: Jan Seedorf (10 mins)
  – Footprint & Capabilities Advertisement Interface, draft-ma-cdni-capabilities-04: Kevin Ma (10 mins)

• **CDNI Logging**
  – CDNI Logging, draft-ietf-cdni-logging-08: Iuniana Oprescu (10 mins)

• **CDNI URI Signing**
Agenda (2/2)

• CDNI Request Routing Redirection interface and Request interface
  – Routing Request Redirection for CDN Interconnection, draft-ietf-cdni-redirection-01: Ben Niven-Jenkins (5 mins)
  – Request interface for CDN Interconnection, draft-choi-cdni-req-intf-01: Taesang Choi (5 mins)

• CDNI Control interface
  – CDNI Control - Triggers, draft-ietf-cdni-control-triggers-01: Rob Murray (10 mins)
  – CDNI Control - Initialization and Bootstrapping, draft-choi-cdni-control-init-bootstrapping-02: Taesang Choi (5 mins)

• New Drafts
  – CDNI Rate Pacing, (draft-caulfield-cdni-rate-pacing-00): Matt Caulfield (10 mins)

• Closing
  – Conclusions and next steps: Chairs (10 mins)
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• CDNI URI Signing
• “URI Signing” deliverable added to charter

• Status/Dates for “Goals and Milestones” updated:

  Done  - Submit CDNI problem statement to IESG as Informational
  Done  - Submit CDNI use cases to IESG as Informational
  Sep 2013 - Submit CDNI requirements to IESG as Informational
  Dec 2013 - Submit CDNI framework to IESG as Informational
  Dec 2013 - Submit specification of the CDNI Logging interface to IESG as Proposed Standard
  Dec 2013 - Submit specification of the CDNI Metadata interface to IESG as Proposed Standard
  April 2014 - Submit specification of the CDNI Request Routing Redirection interface to IESG as Proposed Standard
  April 2014 - Submit specification of the CDNI Control interface to IESG as proposed Standard
  Sep 2014 - Submit specification of the CDNI Footprint & Capabilities Advertisement Interface to IESG as Proposed Standard
  Sep 2014 - Submit specification of URI Signing for CDNI to IESG as Proposed Standard
  Sep 2014 - Recharter or dissolve
CDNI Charter Update (2/2)

• Draft charter text submitted on the list
• Draft charter text under IESG Review:
  – Align to final interface names
  – Reflect split of Request Routing interface into two component interfaces: RI and FCI
  – Add text describing the “URI Signing” deliverable
  – Removed ref to Ultra-Violet
  – Small text enhancements/corrections
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• CDNI URI Signing
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)
Working Group Milestones: Remaining Milestones

- CDNI Requirements: Sep 2013 (Informational)
- CDNI Framework: Dec 2013 (Informational)
- CDNI Logging interface: Dec 2013 (PS)
- CDNI Metadata interface: Dec 2013 (PS)
- CDNI Redirection interface: April 2014 (PS)
- CDNI Control interface (Triggers): April 2014 (PS)
- CDNI Footprint & Capabilities Adv Iface: Sep 2014 (PS)
- URI Signing for CDNI: Sep 2014 (PS)
Working Group Milestones: Remaining Milestones

- CDNI Requirements: Sep 2013 (Informational)
- AD Review performed
- AD review comments + list comments all addressed in -12
- In “IESG Last Call” state
- CDNI Redirection interface: April 2014 (PS)
- CDNI Control interface (Triggers): April 2014 (PS)
- CDNI Footprint & Capabilities Adv Iface: Sep 2014 (PS)
- URI Signing for CDNI: Sep 2014 (PS)
Working Group Milestones: Remaining Milestones

- CDNI Requirements: Sep 2013 (Informational)
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- CDNI Logging interface: Dec 2013 (PS)
- CDNI Metadata interface: Dec 2013 (PS)
- CDNI Redirection interface: April 2014 (PS)
- CDNI Control interface (Triggers): April 2014 (PS)
- CDNI Footprint & Capabilities API: Sep 2014 (PS)
- URI Signing for CDNI: Sep 2014 (PS)

Other Notes:
- WG Last Call completed
- Daryl is document shepherd
- Daryl’s chair review completed
- WG review comments + Chair review comments all addressed in -06
- Daryl to prepare document shepherd and request publication
Working Group Milestones:
Remaining Milestones

- CDNI Requirements: Sep 2013 (Informational)
- CDNI Framework: Dec 2013 (Informational)
- CDNI Logging interface: Dec 2013 (PS)
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Authors will propose to move to WG Last Call
Working Group Milestones: Remaining Milestones

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We will discuss about moving to WG Last Call
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- CDNI Metadata Interface: Dec 2013 (PS)
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• To be discussed during WG
Beyond Working Group Milestones

• Request Interface and Redirection Loop Prevention
  – See Taesang’s presentation.

• Control interface/Bootstrapping:
  – See Taesang’s presentation. Progressing separately from “Control Interface/Trigger” so they can progress at their own pace.
Instructions to WG document editors

• Run I-D Nit tool
• Align to final interface names
• Refer or use the expanded reference model in cdni-framework
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
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  – URI Signing for CDNI, [draft-leung-cdni-uri-signing-03: Kent Leung (10 mins)]
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