

CDNI Working Group (CDN Interconnect)

Francois Le Faucheur

Richard Woundy

Welcome to CDNI

- IETF-86 Meeting Chairs:
 - Francois Le Faucheur
 - Richard Woundy
- Two sessions
 - Tuesday 17:00-18:30
 - Thursday 15:10-17:10
- Using WebEx instead of Jabber
 - <http://www.ietf.org/meeting/86/remote-participation.html>
- Meeting minutes
- Blue sheets

Note Well

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 - Any IETF mailing list, including the IETF list itself, any working group or design team list, or any other list functioning under IETF auspices
 - Any IETF working group or portion thereof
 - The IAB or any member thereof on behalf of the IAB
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Agenda (1/3)

TUESDAY, March 12, 2013, 17:00-18:30, Carribbean 6

Opening

Agenda bashing & Introduction: Chairs (5 mins)

Document Status Update: Chairs (10 mins) **Framework**

Framework, [draft-ietf-cdni-framework-03: Larry Peterson \(10 mins\)](#)

Requirements

Requirements, [draft-ietf-cdni-requirements-05: Kent Leung \(10 mins\)](#)

CDNI Metadata

CDNI Metadata, [draft-ietf-cdni-metadata-01: Matt Caulfield \(15 mins\)](#)

CDNI Logging

CDNI Logging, [draft-ietf-cdni-logging-01: Iuniana Oprescu \(10 mins\)](#)

CDNI Logging - placeholder for open discussion on logging fields and base protocol candidates: (15 mins)

CDNI Triggers (may move to Thursday session)

CDNI Triggers, [draft-murray-cdni-triggers-02: Rob Murray \(10 mins\)](#)

Agenda (2/3)

THURSDAY, March 14, 2013, 15:10-17:10, Carribbean 6

CDNI Request Routing/Redirection

Routing Request Redirection for CDN Interconnection,

[draft-he-cdni-routing-request-redirection-04: Ben Niven-Jenkins \(15 mins\)](#)

CDNI Request Routing/Redirection - placeholder for open discussion: (10 mins)

CDNI Request Routing/Footprint and Capabilities

CDNI Request Routing: Footprint and Capabilities Semantics (update on Semantics I-D and progress of Design Team),

[draft-spp-cdni-rr-foot-cap-semantics-04: Jan Seedorf \(20 mins\)](#)

CDNI Capabilities Interface, [draft-ma-cdni-capabilities-01: Kevin Ma \(5 mins\)](#)

CDNI Request Routing: Footprint & Cap Semantics - open discussion: (10 mins)

CDNI URI Signing

update on off-line discussions on URI Signing for CDNI, no new version posted for Orlando [\(draft-leung-cdni-uri-signing-01\): Kent Leung \(10 mins\)](#)

Agenda (3/3)

THURSDAY, March 14, 2013, 15:10-17:10, Carribbean 6
(continued)

Others (if there is remaining time)

Experiments on HTTP Adaptive Streaming over interconnected CDNs,
[draft-famaey-cdni-has-experiments-01: Ray van Brandenburg \(10 mins\)](#)

CDNI Control - Initialization and Bootstrapping,
[draft-choi-cdni-control-bootstrapping-00: Taesang Choi \(10 mins\)](#)

CDNI Request Routing with SDN,
[draft-shin-cdni-request-routing-sdn-01: Myung-Ki Shin \(10 mins\)](#)

Closing

Conclusions and next steps: Chairs (10 mins)

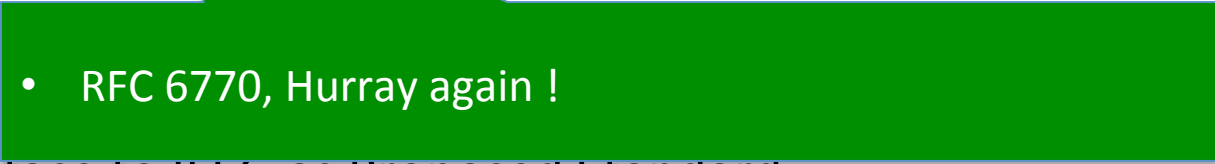

Working Group Milestones

- Dec 2011 Submit CDNI problem statement to IESG as Informational
- Mar 2012 Submit CDNI use cases to IESG as Informational
- Jun 2012 Submit CDNI framework to IESG as Informational
- Jun 2012 Submit CDNI requirements to IESG as Informational
- Dec 2012 Submit specification of the CDNI Request Routing/Redirection interface to IESG as Proposed Standard
- Dec 2012 Submit specification of the CDNI Logging interface to IESG as Proposed Standard
- Dec 2012 Submit specification of the CDNI Control interface to IESG as proposed Standard
- Jun 2013 Submit specification of the CDNI Request Routing/Footprint&Capabilities interface to IESG as Proposed Standard
- Jun 2013 Submit specification of the CDNI Metadata Distribution interface to IESG as Proposed Standard

IETF-86 Jun 2013 Recharter or dissolve

Working Group Milestones

- RFC 6707, Hurray!

- **Dec 2011 Submit CDNI problem statement to IESG as Informational**
- **Mar 2012 Submit CDNI use cases to IESG as Informational**
- Jun 2012 Submit CDNI framework to IESG as Informational
- Jun 2012 Submit 
- Dec 2012 Submit  • RFC 6770, Hurray again !
Redirection interface to IESG as Proposed Standard
- Dec 2012 Submit specification of the CDNI Logging interface to IESG as Proposed Standard
- Dec 2012 Submit specification of the CDNI Control interface to IESG as proposed Standard
- Jun 2013 Submit specification of the CDNI Request Routing/
Footprint&Capabilities interface to IESG as Proposed Standard
- Jun 2013 Submit specification of the CDNI Metadata Distribution
interface to IESG as Proposed Standard

IETF-86 Jun 2013 Recharter or dissolve

- All known open items addressed, should move to WG Last Call soon (to be discussed in WG session)

• Dec 2011 Submit problem statement to IESG as Informational

• Mar 2012 Submit use cases to IESG as Informational

• **Jun 2012 Submit CDNI framework to IESG as Informational**

• Jun 2012 Submit requirements to IESG as Informational

- draft-brandenburg-cdni-has has been revved up and submitted for publication as an Individuals Submission (Informational Track)

- Under RFC Editor review

• Dec 2012 Submit specification of the CDNI Logging interface to IESG as Proposed Standard

• Dec 2012 Submit specification of the CDNI Control interface to IESG as proposed Standard

• Jun 2013 Submit specification of the CDNI Request Routing/
Footprint&Capabilities interface to IESG as Proposed Standard

• Jun 2013 Submit specification of the CDNI Metadata Distribution interface to IESG as Proposed Standard

IETF-86 Jun 2013 Recharter or dissolve

Working Group Milestones

- Dec 2011 Submit CDNI problem statement to IESG as Informational
- Mar 2012 Submit CDNI use cases to IESG as Informational
- Jun 2012 Submit CDNI framework to IESG as Informational
- Jun 2012 Submit CDNI requirements to IESG as Informational
- Dec 2012 Submit specification of the CDNI Request Routing/Redirection interface to IESG as Proposed Standard
- Dec 2012 Submit specification of the CDNI Request Routing/Redirection interface to IESG as Proposed Standard
- New version posted to reflect WG decisions on HAS, on Metadata, on URI Signing
- Ready for WG Last Call?
- Jun 2013 Submit specification of the CDNI Request Routing/Footprint&Capabilities interface to IESG as Proposed Standard
- Jun 2013 Submit specification of the CDNI Metadata Distribution interface to IESG as Proposed Standard
- Jun 2013 Recharter or dissolve

Working Group Milestones

- Dec 2011 Submit CDNI problem statement to IESG as Informational
- Mar 2012 Submit CDNI problem statement to IESG as Informational
 - 2nd rev as WG doc
- Jun 2012 Submit CDNI problem statement to IESG as Informational
 - Will not meet charter deadline
- Jun 2012 Submit CDNI problem statement to IESG as Informational
 - Progressing but needs attention
- Dec 2012 Submit specification of the CDNI Request Routing/Redirection interface to IESG as Proposed Standard
- Dec 2012 Submit specification of the CDNI Logging interface to IESG as Proposed Standard
- Dec 2012 Submit specification of the CDNI Control interface to IESG as proposed Standard
- Jun 2013 Submit specification of the CDNI Footprint&Capabilities interface to IESG as Proposed Standard
 - trigger I-D revved up
 - Will not meet charter deadline
 - Needs attention
- Jun 2013 Submit specification of the CDNI Metadata Distribution interface to IESG as Proposed Standard

Working Group Milestones

- Dec 2011 Submit Individual I-D Revved up, merged with loop prevention
- Mar 2012 Submit Will not meet charter deadline
- Jun 2012 Submit Needs attention but going in the right direction
- Jun 2012 Submit CDNI elements to IESG as Informational
- Dec 2012 Submit specification of the CDNI Request Routing/Redirection Interface to IESG as Proposed Standard
- Dec 2012 Submit specification of the CDNI Logging interface to IESG as Proposed Standard
- Dec 2012 Submit specification of the CDNI Control interface to IESG as proposed Standard
- Jun 2013 Submit specification of the CDNI Request Routing/Footprint&Capabilities interface to IESG as Proposed Standard
- Jun 2013 Submit specification of the CDNI Management Distribution interface to IESG as Proposed Standard
 - (too) many I-Ds; more progress needed from design team
 - Will not meet charter deadline
- Jun 2013 Recharter or dissolve

Working Group Milestones

- Dec 2011 Submit CDNI problem statement to IESG as Informational
- Mar 2012 Submit CDNI use cases to IESG as Informational
- Jun 2012 Submit CDNI framework to IESG as Informational
- Jun 2012 Submit CDNI requirements to IESG as Informational
- Dec 2012 Submit specification of the CDNI Request Routing/Redirection interface to IESG as Proposed Standard
- Dec 2012 Submit specification of the CDNI Logging interface to IESG as Proposed Standard

- Progressing well, still on track to meet charter deadline

Jan 2013 Submit specification of the CDNI Request Routing/Redirection, Footprint&Capabilities interface to IESG as Proposed Standard

- Jun 2013 Submit specification of the CDNI Metadata Distribution interface to IESG as Proposed Standard

IETF-86 Jun 2013 Recharter or dissolve

Interface Acronyms

- Agreed acronyms:
 - **CI**: CDNI Control Interface
 - **MI**: CDNI Metadata distribution Interface
 - **LI**: CDNI Logging Interface
 - **RI**: CDNI request routing/Redirection Interface
 - **FCI**: CDNI request routing/Footprint & Capabilities advertisement Interface

Closing & Next Steps

- **Framework**: WG Last Call after next rev
- **Requirements**: WG Last Call after next rev
- **Metadata**: New rev
- **Control/Trigger**: adopted as WG document

Closing & Next Steps

- **Logging**: New rev needed, good progress in informal meetings
- **Request Routing/Redirection**: adopted as WG doc
- **Request Routing/Footprint & Capabilities**:
 - Semantics adopted as WG doc
 - Solutions I-D expected (incl rev up of Kevin's)
- **URI Signing**:
 - New Rev
 - Do we need to include Request Interface in scope?
- **Control Interface/Bootstrap**
 - Progress as separate doc