

CDNI Working Group (CDN Interconnect)

Francois Le Faucheur

Richard Woundy

Welcome to CDNI

- Chairs:
 - Francois Le Faucheur
 - Richard Woundy
- Two sessions
 - Tuesday 0900-1020
 - Tuesday 1520-1650
- Using WebEx instead of Jabber
 - <http://www.ietf.org/meeting/84/remote-participation.html>
- Meeting minutes
- Blue sheets

Note Well

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 - The IESG, or any member thereof on behalf of the IESG
 - 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
 - The RFC Editor or the Internet-Drafts function
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- Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice.
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- A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.

Agenda (1/2)

Tuesday, July 31, 0900-1020

Opening

- Agenda bashing & Introduction: Chairs (5 mins)
- Document Status Update (cdni-problem-statement, cdni-use-cases, cdni-requirements): Chairs (5 mins)

Base documents

- Framework (changes), [draft-ietf-cdni-framework-01](#): Larry Peterson (10 mins)
- Models for adaptive-streaming-aware CDN Interconnection (presenting the recommendations + discussion on those): [draft-brandenburg-cdni-has-03](#): Ray Brandenburg, Kent Leung, Francois Le Faucheur (20 mins)
- Content De-duplication for CDNi Optimization, [draft-jin-cdni-content-deduplication-01](#): Li Mian (10 mins)

CDNI Metadata

- CDNI Metadata (merged proposal), [draft-cjlmw-cdni-metadata-00](#): Matt Caulfield & Ben Niven Jenkins (10 mins)
- CDNI Metadata, [draft-ma-cdni-metadata-03](#): Kevin Ma (5 mins)
- CDNI Metadata - open discussion: (10 mins)

CDNI Logging

- CDNI Logging Formats for HTTP deliveries, [draft-lefaucheur-cdni-logging-delivery-01](#): Francois Le Faucheur (5 mins)

Agenda (2/2)

Tuesday, July 31, 1520-1650

CDNI Request Routing/Redirection

- Routing Request Redirection for CDN Interconnection, [draft-he-cdni-routing-request-redirection-02](#): Danhua Wang (10 mins)
- CDNI Request Routing, [draft-lelouedec-cdni-request-routing-00](#): Yannick Le Louedec (10 mins)
- CDNI Request Routing Redirection with Loop Prevention, [draft-choi-cdni-req-routing-redir-loop-prevention-00](#): Taesang Choi (10 mins)
- CDNI Request Routing/Redirection - 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-01](#): Jan Seedorf, Jon Peterson, Stefano Previdi (20 mins)
- A SLR (Service Level Requirements) based footprint for CDNI, [draft-song-cdni-slr-based-footprint-01](#): Haibin Song (5 mins)
- CDNI Request Routing with ALTO, [draft-seedorf-cdni-request-routing-alto-02](#): Jan Seedorf (5 mins)
- ALTO extensions for CDNI, [draft-stephan-cdni-alto-session-ext-01](#): Emile Stephan (5 mins)

Others (If there is remaining time)

- CDNI Request Routing with SDN, [draft-shin-cdni-request-routing-sdn-00](#): Myung-Ki Shin (5 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
- Jun 2013 Recharter or dissolve

Working Group milestones

- In RFC Editor Queue
- Hurray!

- Dec 2011 Submit CDNI problem statement to IESG as Informational
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- 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 Control interface to IESG as Proposed Standard
 - Has gone through IESG Review
 - New revision needed
 - 2 "Discusses" (1 resolved, 1 under discussion with IESG)
 - Multiple "Comments" already resolved
- Dec 2012 Submit specification of the CDNI Request Routing/ Footprint&Capabilities interface to IESG as Proposed Standard
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Held back by WG decisions on how to deal with HTTP
Adaptive Streaming (HAS)
Should get back on track once HAS decisions are made

Working Group Milestones

- Dec 2011 Submit CDNI problem statement to IESG as Informational
- Mar 2012 Submit CDNI **One new rev on one I-D only since Paris**
Needs attention
- Jun 2012 Submit CDNI **One new rev on one I-D only since Paris**
Needs attention
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- Dec 2012 Submit specification of the CDNI Request Routing/
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Proposed Standard
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proposed Standard
- Jun 2013 Submit specification of the CDNI Footprint & Capabilities
interface to IESG as Proposed Standard **No new rev or I-Ds since triggers I-D discussed in Paris**
Needs attention
- Jun 2013 Submit specification of the CDNI Metadata Distribution
interface to IESG as Proposed Standard
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Working Group Milestones

- Dec 2011 Submit CDNI problem statement to IESG as Informational
- Mar 2012 Submit CDNI Request Routing/Redirection interface to IESG as Proposed Standard
 - * multiple I-Ds recently
 - Have not quite converged yet
 - Needs attention
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 - * (too) many I-Ds; more progress needed from design team
- Jun 2013 Recharter or dissolve

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- Multiple proposals, merging process has started
- Good Progress, good convergence

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WG Next Steps

- **Framework & Requirements:** (target Jun 12)
 - next rev needed to incorporate HAS conclusions
 - should be close to complete
- **Metadata:** (target Jun 13)
 - Continue convergence/merging + enhancements
- **Control/Trigger:** (target Dec 12)
 - New version of draft-murray expected after Vancouver incorporating Paris feedback
 - more attention needed on this topic

WG Progress & Next Steps

- Logging: (target Dec 12)
 - New version of draft-bertrand expected after Vancouver incorporating material from draft-lefaucheur?
 - more attention needed on this topic
- Request Routing/Redirection: (target Dec 12)
 - Need convergence across several I-Ds on the topic
 - More attention needed on this topic
- Request Routing/Footprint & Capabilities: (target Jun 13)
 - progress on semantics needed from Design Team
 - WG need to conclude on semantics before spending much time on specific proposals (eg BGP, ALTO)