CDNI Working Group
(CDN Interconnect)

Francois Le Faucheur
Richard Woundy
Welcome to CDNI

• IETF-85 Meeting Chairs:
  – Francois Le Faucheur
  – Ray van Brandenburg (standing in for Richard Woundy)
• Two sessions
  – Wed 13:00-14:30
  – Thu 13:00-15:00
• Using WebEx instead of Jabber
  – http://www.ietf.org/meeting/85/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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• 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)

WEDNESDAY, November 7, 2012, 13:00-14:30

Opening
• Agenda bashing & Introduction: Chairs (5’)
• Document Status Update (cdni-problem-statement, cdni-use-cases, cdni-requirements, cdni-has): Chairs (10’)

Framework and Related documents
• Framework, draft-ietf-cdni-framework-01: Larry P (10’)
• Content De-duplication for CDNi Optimization, draft-jin-cdni-content-deduplication-optimization-03: Bhumip K (10’)
• Best practices and Requirements for delivering Long Tail personalized content delivery over CDN Interconnections, draft-krishnan-cdni-long-tail-04: Ramki K (10’)

CDNI Metadata
• CDNI Metadata (merged proposal), draft-ietf-cdni-metadata-00: Matt C (10’)
• CDNI Metadata - placeholder for open discussion: (10’)

CDNI Logging
• CDNI Logging, draft-bertrand-cdni-logging-02: Emile S (10’)
• CDNI Logging - placeholder for open discussion: (10’)

CDNI Triggers (may move to Thursday session)
• CDNI Triggers, draft-murray-cdni-triggers-01: Rob M (10’)

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Agenda (2/2)

THURSDAY, November 8, 2012, 13:00-15:00

CDNI URI Signing

• URI Signing for CDNI, draft-leung-cdni-uri-signing-01: Kent L (10’)

CDNI Request Routing/Redirection

• Routing Request Redirection for CDN Interconnection,draft-he-cdni-routing-request-redirection-03: Ben Niven-Jenkins (10’)
• CDNI Request Routing Redirection with Loop Prevention,draft-choi-cdni-req-routing-redir-loop-prevention-01: Taesang C (10’)
• 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-02: Jan S (20’)
• CDNI Capabilities Interface, draft-ma-cdni-capabilities-00: Kevin a (10’)
• CDNI Request Routing: Footprint and Capabilities Semantics - open discussion: (10’)

CDNI Experiments (If there is remaining time)

• Experiments on HAS, draft-famaey-cdni-has-experiments-00, Ray v B: (5’)
• Intra-CDN Provider CDNi Experiment, draft-chen-cdni-intra-cdn-provider-cdni-experiment-00, Bhumip Khasnabish: (5 mins)

Others (If there is remaining time)

• CDNI Req Routing w ALTO, draft-seedorf-cdni-request-routing-alto-02: Jan S (5’)
• CDNI Req Routing w ALTO, draft-seedorf-cdni-request-routing-alto-02: Jan S (5’)

Closing

• Conclusions and next steps: Chairs (10’)

Closing
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
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• RFC 6707, Hurray!

• In Author-48hours review state,
• will come out as RFC 6770
• Dec 2011 Submit problem statement to IESG as Informational
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• Jun 2012 Submit CDNI framework to IESG as Informational

• draft-brandenburg-cdni-has will be revved up and submitted for publication as an Individuals Submission (Informational Track)
• Records useful analysis that was used as an input to IETF-84 decision on HAS
• May be useful material if/when WG re-charters

• 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
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• New version will be posted after IETF-85 to reflect WG decisions on HAS, on Metadata, on URI Signing
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- Revved up twice since previous IETF
- Will not meet charter deadline
- Needs attention

- trigger I-D revved up
- Will not meet charter deadline
- Needs attention
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• One Individual I-D Revved up
• Will not meet charter deadline
• Needs attention

• (too) many I-Ds; more progress needed from design team
• Will not meet charter deadline
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Acronyms

• Several documents (framework, request-routing, ...) refer to the CDNI interfaces with various acronyms
• We need to agree on a set of acronyms e.g.:
  – CCI: CDNI Control Interface
  – CMI: CDNI Metadata distribution Interface
  – CLI: CDNI Logging Interface
  – CRI: CDNI request routing/Redirection Interface
  – CFI: CDNI request routing/Footprint & capabilities advertisement Interface
    • Or RR/RI and RR/FCAI ? RR/RI and RR/FI ? RRRI and RRFI ?
• Will poll the list
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14
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Others (If there is remaining time)
• CDNI Control Operation, draft-stephan-cdni-control-operations-00.txt: Emile S (5’)
• CDNI Req Routing w ALTO, draft-seedorf-cdni-request-routing-alto-02: Jan S (5’)

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15
Closing & Next Steps

- **Framework**: New rev needed to incorporate HAS conclusions + comments on list (+ high-level discussion of content de-duplication? + ?)
  - should be ready for WG Last Call then?

- **Requirements**: New rev needed to incorporate HAS conclusions + latest on Metadata, Logging, URI Signing
  - Review volunteers? for current or next rev?

- **Metadata**: New rev to address open issues + capabilities

- **Control/Trigger**: Relationship between cdni-triggers and Control Interface?
  - more attention needed on this topic
Closing & Next Steps

- **Logging**: New rev to come out in Nov/Dec
  - more attention needed on this topic

- **Request Routing/Redirection**: New rev needed to flesh out interface

- **Request Routing/Footprint & Capabilities**:
  - progress on semantics needed from Design Team
  - WG need to conclude on semantics before spending much time on specific proposals (eg BGP, ALTO)

- **URI Signing**:
  - Additional WG deliverable?