CDNI Working Group (CDN Interconnect)

Francois Le Faucheur

Daryl Malas

Welcome to CDNI

- IETF-92 Meeting Chairs:
  - Francois Le Faucheur
  - Daryl Malas
- One session
  - Monday, November 10, 2014, 13:00-15:00, Coral 5
- Remote attendance via Meetecho
- 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 Logging**
  - CDNI Logging, draft-ierf-cdni-logging-18: François Le Faucheur (15 mins)

- **CDNI Metadata**
  - CDNI Metadata, draft-ietf-cdni-metadata-08: Ben Niven-Jenkins (15 mins)

- **CDNI Footprint & Capabilities Advertisement interface** Jan Seedorf (10 mins)
  - Footprint & Capabilities Semantics , draft-ietf-cdni-footprint-capabilities-semantics-06
  - CDNI Footprint & Capabilities Advertisement Interface , draft-ma-cdni-capabilities-07
  - CDNI Footprint and Capabilities Advertisement using ALTO , draft-seedorf-cdni-request-routing-alto-06

- **CDNI Request Routing Redirection interface**
  - Request Routing Redirection for CDN Interconnection, draft-ietf-cdni-redirection-08: Ray van Brandenburg (10 mins)

Agenda (2/2)

- **CDNI Control interface**
  - CDNI Control - Triggers, draft-ietf-cdni-control-triggers-06: Rob Murray (10 mins)

- **CDNI URI Signing**
  - A proposal for dealing with the MPEG liaison (i.e. URI signing for segmented content): Ray van Brandenburg (20 mins)
    - Presentation of problem and proposal, discussion, decision.
    - reference: URI Signing for CDNI, draft-ietf-cdni-uri-signing-01

- **HTTPS and delegation of encrypted traffic between interconnected CDNs**
  - Iuniana Oprescu (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)
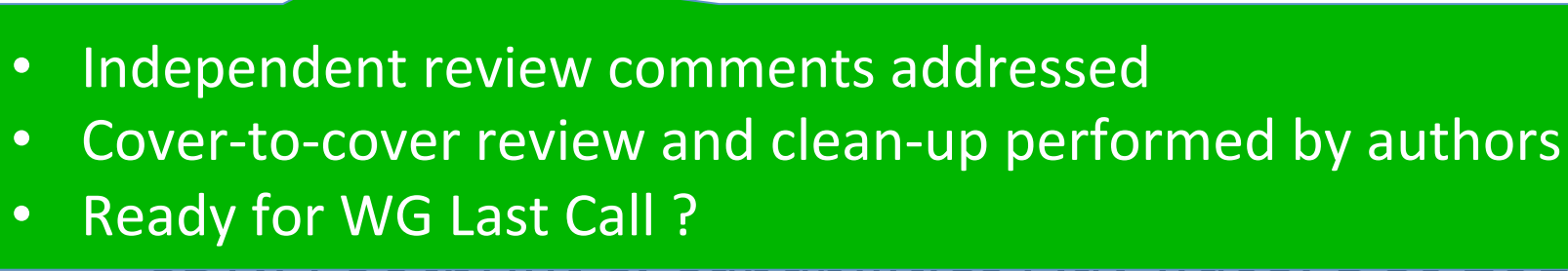
Working Group Remaining Milestones

- CDNI Requirements : Done (Informational)

- CDNI Framework: Done (Informational)

- CDNI Logging interface : Oct 2014 (PS)

- XML expert review conducted and addressed
- IESG review conducted and most comments addressed

- CDNI Control Interface (Triggers) : Apr 2015 (PS)

- CDNI Footprint & Capabilities Adv Iface: Dec 2015 (PS)

- URI Signing for CDNI: Aug 2015 (PS)

Working Group
Remaining Milestones

- CDNI Requirements : Done (Informational)

- CDNI Framework: Done (Informational)

- CDNI Logging interface : Oct 2014 (PS)

- CDNI Metadata interface: Apr 2015 (PS)

- Independent review comments addressed
- Cover-to-cover review and clean-up performed by authors
- Ready for WG Last Call ?

- URI Signing for CDNI: Aug 2015 (PS)

Working Group
Remaining Milestones

- Independent Reviews conducted (Francois, Kevin, Bert) and addressed
- WG Last Call conducted
- Ready to move to IESG review ?

- CDNI Redirection interface: Aug 2015 (PS)

- CDNI Control interface (Triggers) : Apr 2015 (PS)

- CDNI Footprint & Capabilities Adv Iface: Dec 2015 (PS)

- URI Signing for CDNI: Aug 2015 (PS)

Working Group
Remaining Milestones

- CDNI Requirements : Done (Informational)

- WG Last Call Conducted
- WG LC comments (by Ray van Brandenburg & Francois Le Faucheur) addressed
- Ready to move to IESG Review ?

- CDNI Control interface (Triggers) : Apr 2015 (PS)

- CDNI Footprint & Capabilities Adv Iface: Dec 2015 (PS)

- URI Signing for CDNI: Aug 2015 (PS)

Working Group
Remaining Milestones

- CDNI Requirements : Done (Informational)
- CDNI Framework: Done (Informational)
- CDNI Logging interface : Oct 2014 (PS)
- CDNI Metadata interface: Apr 2015 (PS)

- update on "semantics" draft
- Update on solutions draft

- CDNI Footprint & Capabilities Adv Iface: Dec 2015 (PS)
- URI Signing for CDNI: Aug 2015 (PS)

Working Group
Remaining Milestones

- CDNI Requirements : Done (Informational)
- CDNI Framework: Done (Informational)
- CDNI Logging interface : Oct 2014 (PS)
- CDNI Metadata interface: Apr 2015 (PS)
- CDNI Redirection interface: Aug 2015 (PS)
- CDNI Control interface (Triggers) : Apr 2015 (PS)
- CDNI Footprint & Capabilities Adv Iface: Dec 2015 (PS)
- URI Signing for CDNI: Aug 2015 (PS)

- WG needs to make a decision on whether the URI Signing draft needs to support segmented content (see DASH liaison)

Beyond Working Group Milestones

- CDNI Rate Pacing

  - No progress since IETF 91, waiting on interface drafts to solidify to fine-tune

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Back-up Slides

Working Group
Milestones Dates updated

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- URI Signing for CDNI: Aug 2015 (PS)

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
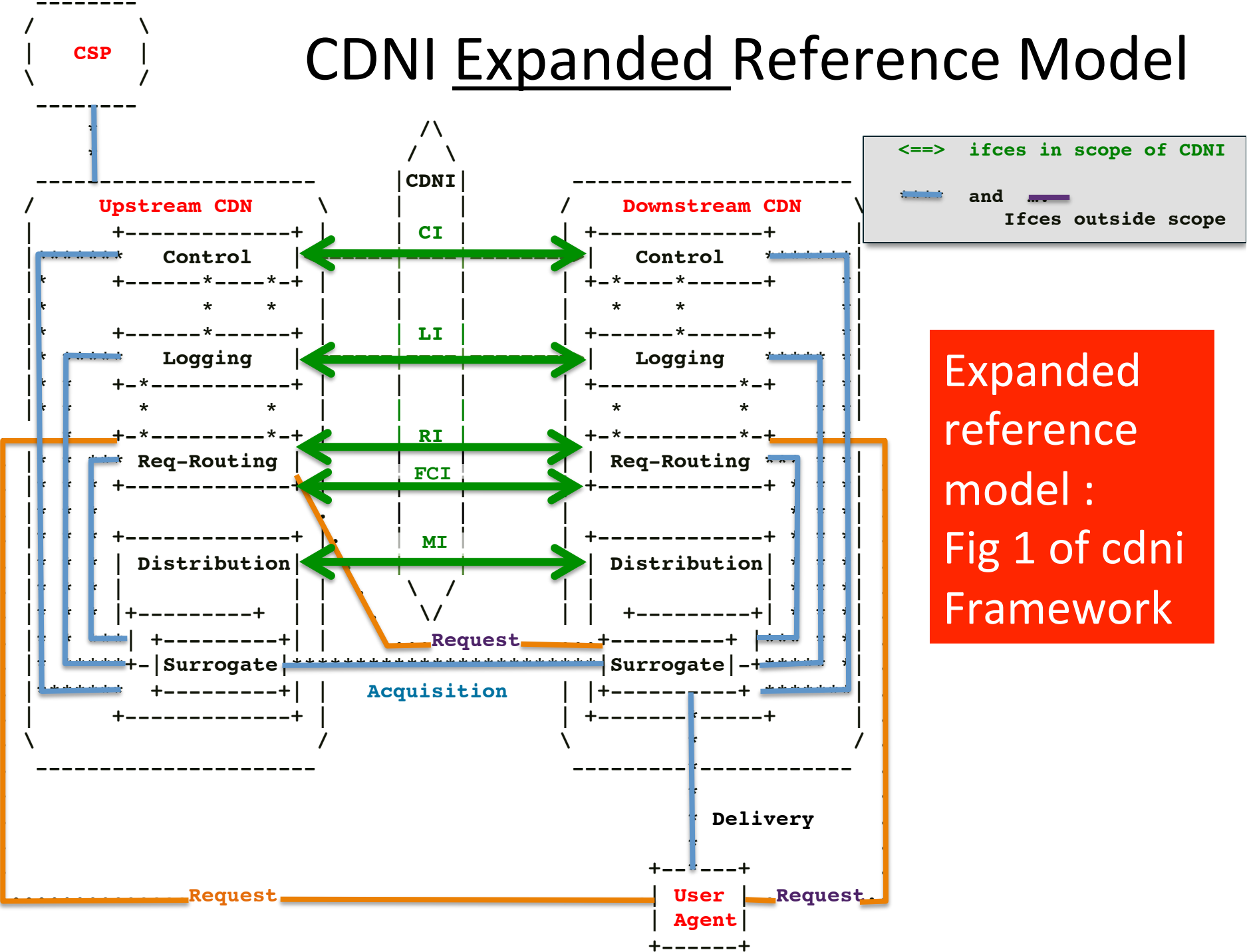
Expanded reference model : Fig 1 of cdni Framework