

CDNI Working Group (CDN Interconnect)

Francois Le Faucheur

Daryl Malas

Welcome to CDNI

- IETF-91 Meeting Chairs:
 - Francois Le Faucheur
 - Daryl Malas
- One session
 - Monday, November 10, 2014, 13:00-15:00, Coral 5
- Using WebEx (no Jabber)
 - <http://www.ietf.org/meeting/91/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-08: Ben Niven-Jenkins (15 mins)
- **CDNI Footprint & Capabilities Advertisement interface**
 - Interface drafts capability advertisement dependency recap: Jan Seedorf (5 mins)
 - Footprint & Capabilities Semantics ,
draft-ietf-cdni-footprint-capabilities-semantics-04: Jan Seedorf (10 mins)
- **CDNI Request Routing Redirection interface**
 - Request Routing Redirection for CDN Interconnection,
draft-ietf-cdni-redirection-04: Ben Niven-Jenkins (10 mins)
- **CDNI Control interface**
 - CDNI Control - Triggers, draft-ietf-cdni-control-triggers-04: Rob Murray (10 mins)

Agenda (2/2)

- **CDNI URI Signing**
 - URI Signing for CDNI (including debrief on MPEG DASH work on URI signing), draft-ietf-cdni-uri-signing-01: Kent Leung (10 mins)
- **CDNI Rate Pacing**
 - CDNI Rate Pacing, draft-caulfield-cdni-rate-pacing-02: Francois Le Faucheur (on behalf of Matt Caulfield) (5 mins)
- **URLs and HTTP Response Forms for Multicast**
 - URLs and HTTP Response Forms for Multicast, draft-singer-appsawg-mcast-url-00: Ali Begen (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)
- Published in Aug 2014

Working Group

Milestones Dates updated

- 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)


Working Group

Remaining Milestones

- CDNI Requirements : Done (Informational)
- CDNI Framework: Done (Informational)
- CDNI Logging interface : Oct 2014 (PS)
- Shepherd Document Completed
- Submitted to IESG for AD Review
- XML expert review requested from AppsArea Directorate
- 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 by Linda Dunbar & Jan Seedorf
 - Comments being addressed
- URI Signing for CDNI: Aug 2015 (PS)

Working Group

Remaining Milestones

- Resumed progress
 - 2 new revs since IETF-90
 - Organize Independent Reviews to prepare for WGLC ?
-
- 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)
- Detailed Independent review conducted by Kevin Ma
- Review comments addressed
- WG Last Call started 27 Oct and ended 9 Nov
- WG LC comments by Ray van Brandenburg & Francois Le Faucheur
- 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)
- Incremental update on “semantics” draft
- CDNI Footprint & Capabilities Adv Iface: Dec 2015 (PS)
- URI Signatures for CDNI: Aug 2015 (PS)
- No updates on “solution” draft

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)

- Incremental draft revision

Beyond Working Group Milestones

- CDNI Rate Pacing

- Incremental draft revision

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Agenda (2/2)

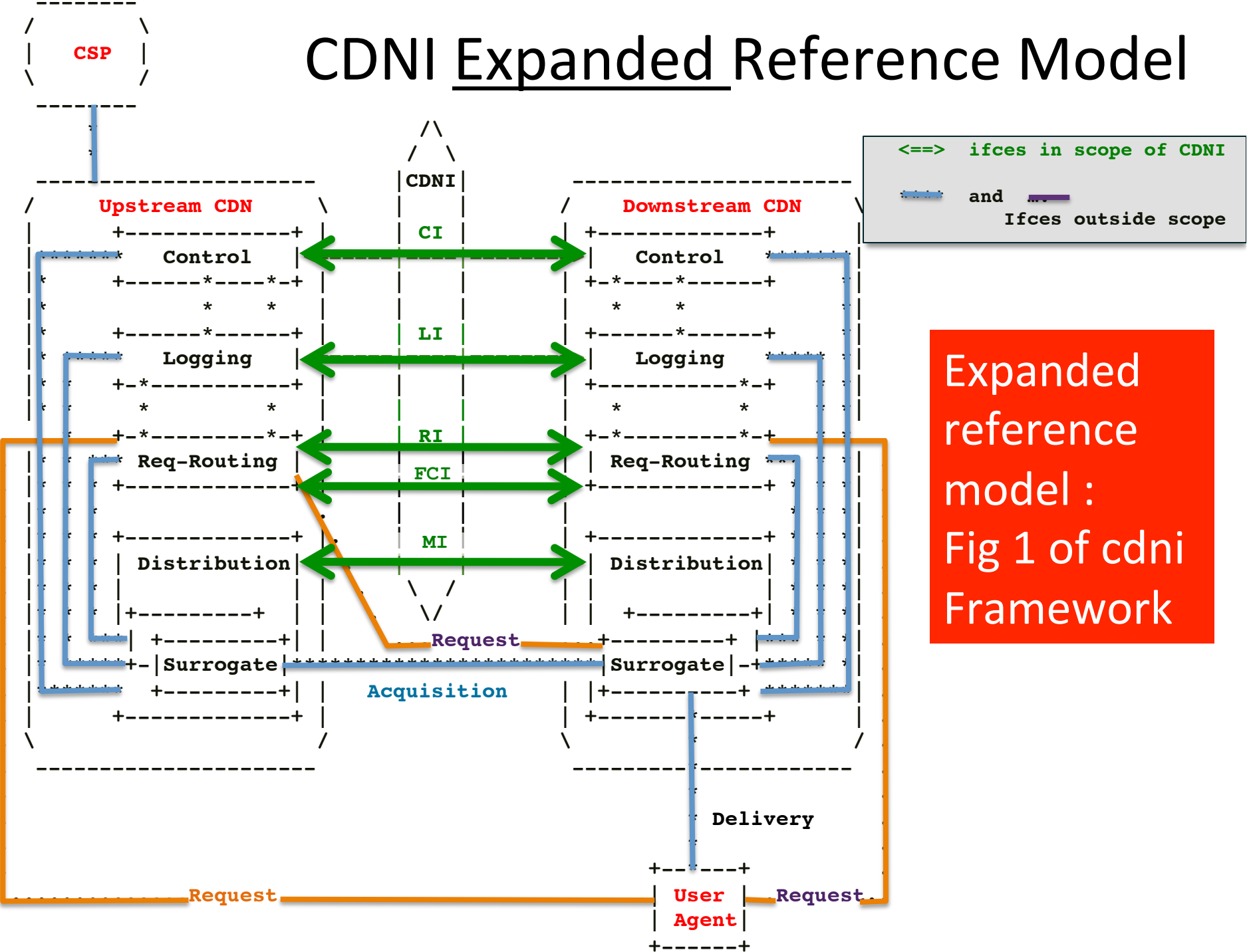
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Back-up Slides

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