

CDNI Working Group (CDN Interconnect)

Francois Le Faucheur

Daryl Malas

Welcome to CDNI

- IETF-89 Meeting Chairs:
 - Francois Le Faucheur
 - Daryl Malas
- One session
 - Thursday, March 6, 2014, 13:00-15:00, Park Suite
- Using WebEx (no Jabber)
 - <http://www.ietf.org/meeting/89/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-06: Kevin Ma (10 mins)
- **CDNI Logging**
 - CDNI Logging, draft-ietf-cdni-logging-10: Iuniana Opreescu (10 mins)
- **CDNI Footprint & Capabilities Advertisement interface**
 - Footprint & Capabilities Semantics ,
draft-ietf-cdni-footprint-capabilities-semantics-02: Jan Seedorf (10 mins)
 - Footprint & Capabilities Advertisement with ALTO ,
draft-seedorf-cdni-request-routing-alto-06: Jan Seedorf (5 mins)
 - Footprint & Capabilities Advertisement Interface, Matt Caulfield' candidate protocol
analysis: Daryl Malas (10 mins)
 - Footprint & Capabilities Advertisement Interface, candidate protocol discussion (10 mins)

Agenda (2/2)

- **CDNI Request Routing Redirection interface**
 - Routing Request Redirection for CDN Interconnection, draft-ietf-cdni-redirection-01: Ben Niven-Jenkins (5 mins)
- **CDNI Control interface**
 - CDNI Control - Triggers, draft-ietf-cdni-control-triggers-02: Rob Murray (10 mins)
- **CDNI URI Signing**
 - URI Signing for CDNI, draft-leung-cdni-uri-signing-04: Kent Leung (10 mins)
- **CDNI Rate Pacing**
 - CDNI Rate Pacing, draft-caulfield-cdni-rate-pacing-01: Francois Le Faucheur, on behalf of Matt Caulfield (10 mins)
- **Closing**
 - Conclusions and next steps: Chairs (10 mins)

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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)

Working Group Milestones:

Remaining Milestones

- CDNI Requirements : Sep 2013 (Informational)
- CDNI Framework: Dec 2013 (Informational)
- CDNI Logging interface : Dec 2013 (PS)
- CDNI Metadata interface: Dec 2013 (PS)
- CDNI Redirection interface: April 2014 (PS)
- CDNI Control interface (Triggers) : April 2014 (PS)
- CDNI Footprint & Capabilities Adv Iface: Sep 2014 (PS)
- URI Signing for CDNI: Sep 2014 (PS)

Working Group Milestones:

Remaining Milestones

- CDNI Requirements : Sep 2013 (Informational)
- In “RFC Editor Queue” (held by ref dependency on CDNI Framework)
- CDNI Metadata interface: Dec 2013 (PS)
- CDNI Redirection interface: April 2014 (PS)
- CDNI Control interface (Triggers) : April 2014 (PS)
- CDNI Footprint & Capabilities Adv Iface: Sep 2014 (PS)
- URI Signing for CDNI: Sep 2014 (PS)

Working Group Milestones:

Remaining Milestones

- CDNI Requirements : Sep 2013 (Informational)
- CDNI Framework: Dec 2013 (Informational)
- Under IESG Review
- Ray & Larry to address IESG review comments
- CDNI Redirection interface: April 2014 (PS)
- CDNI Control interface (Triggers) : April 2014 (PS)
- CDNI Footprint & Capabilities Adv Iface: Sep 2014 (PS)
- URI Signing for CDNI: Sep 2014 (PS)

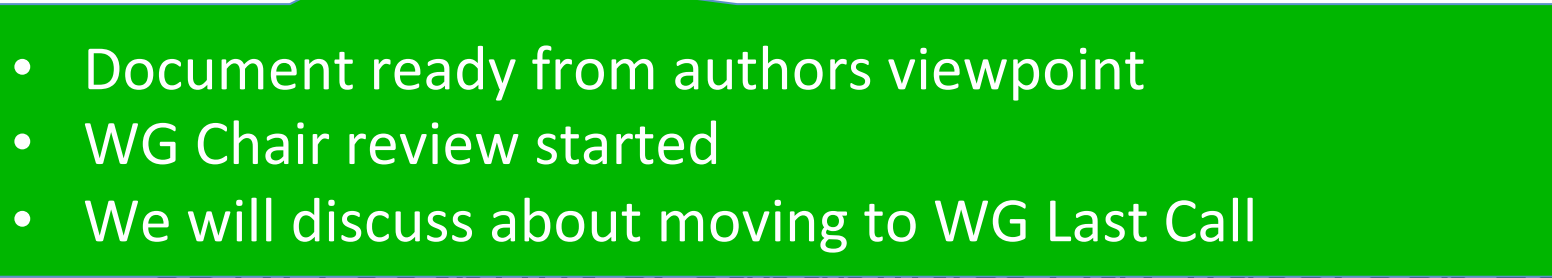
Working Group Milestones:

Remaining Milestones

- CDNI Requirements : Sep 2013 (Informational)
- CDNI Framework: Dec 2013 (Informational)
- CDNI Logging interface : Dec 2013 (PS)
- In line with Vancouver agreement, extensive review conducted by Kevin. Comments resolved.
- move to WG Last Call soon
- CDNI Control Interface (Triggers) : April 2014 (PS)
- CDNI Footprint & Capabilities Adv Iface: Sep 2014 (PS)
- URI Signing for CDNI: Sep 2014 (PS)

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 - CDNI Metadata interface: Dec 2013 (PS)
- 
- Document ready from authors viewpoint
 - WG Chair review started
 - We will discuss about moving to WG Last Call
- URI Signing for CDNI: Sep 2014 (PS)

Working Group Milestones:

Remaining Milestones

- WG Chairs have appointed an additional editor (Ray van Brandenburg) to assist
- To be further discussed during WG
- CDNI Metadata Interface: Dec 2013 (PS)
- CDNI Redirection interface: April 2014 (PS)
- CDNI Control interface (Triggers) : April 2014 (PS)
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- CDNI Requirements : Sep 2013 (Informational)
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- To be discussed during WG
- CDNI Requirements Interface: April 2014 (PS)
- CDNI Control interface (Triggers) : April 2014 (PS)
- CDNI Footprint & Capabilities Adv Iface: Sep 2014 (PS)
- URI Signing for CDNI: Sep 2014 (PS)
- To be discussed during WG

Beyond Working Group Milestones

- CDNI Rate Pacing

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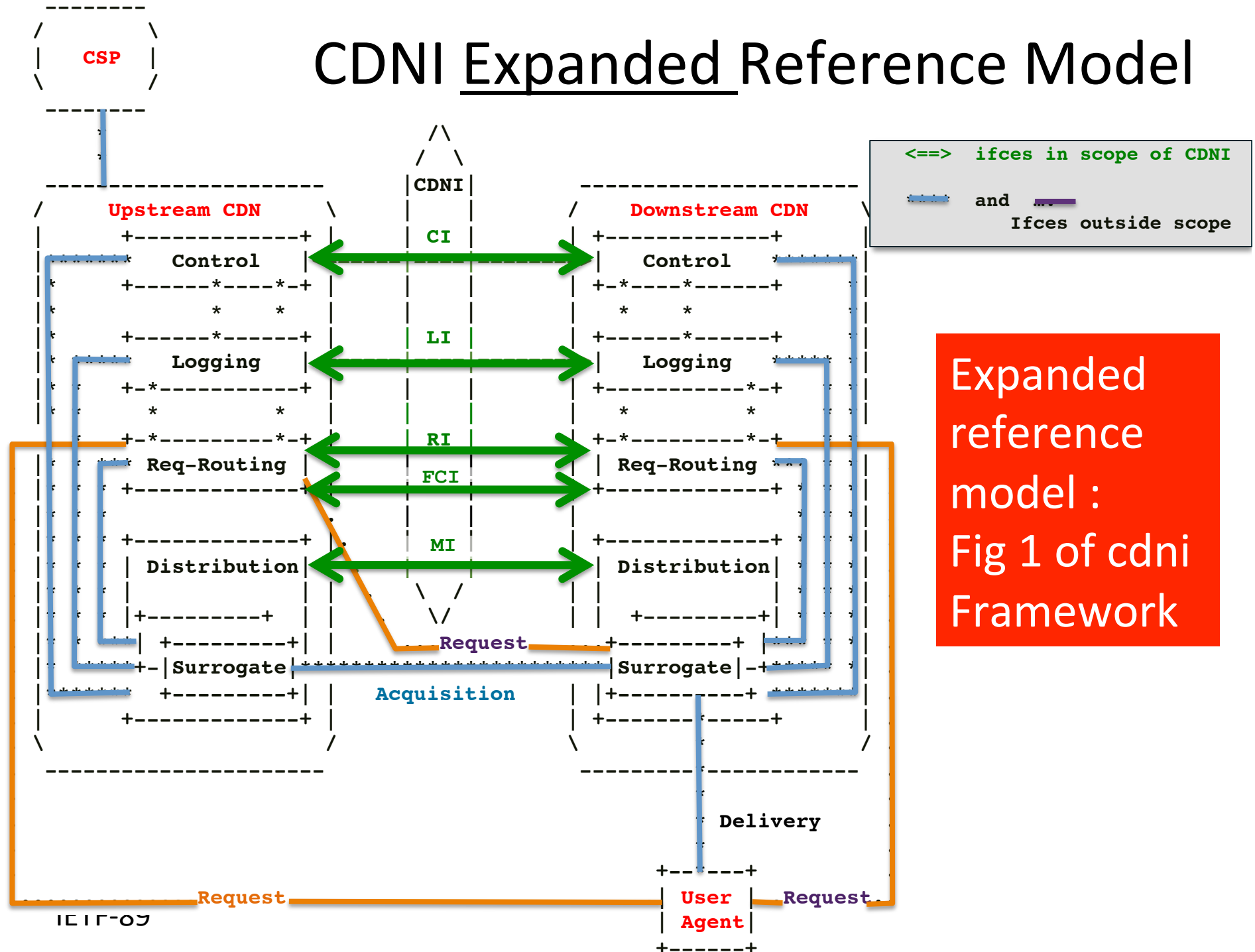
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Back-up Slides

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