

CDNI Working Group (CDN Interconnect)

Welcome to CDNI

- IETF-94 Meeting Chairs:
 - Francois Le Faucheur
 - Daryl Malas → Kevin Ma
- One session
 - Wed, Nov 4, 2015, 09:00-11:30, Rooms 411/412
 - 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 Media Type**
 - draft-ietf-media-type: Kevin Ma (5 mins)
- **CDNI Logging**
 - CDNI Logging, draft-ietf-cdni-logging: Francois Le Faucheur (15 mins)
- **CDNI Metadata**
 - CDNI Metadata, draft-ietf-cdni-metadata-10: Kevin Ma (10 mins)
- **CDNI Footprint & Capabilities Advertisement interface** Kevin Ma (10 mins)
 - Footprint & Capabilities Semantics , draft-ietf-cdni-footprint-capabilities-semantics
 - IPR Disclosure: <https://datatracker.ietf.org/ipr/2656/> : "Juniper Networks, Inc.'s Statement about IPR related to draft-ietf-cdni-footprint-capabilities-semantics"

Agenda (2/2)

- **CDNI Request Routing Redirection interface:** Francois Le Faucheur (10 mins)
 - Request Routing Redirection for CDN Interconnection, draft-ietf-cdni-redirection-10
 - IPR Disclosure: <https://datatracker.ietf.org/ipr/2657/>: "Juniper Networks, Inc.'s Statement about IPR related to draft-ietf-cdni-redirection"
- **CDNI Control interface**
 - CDNI Control - Triggers, draft-ietf-cdni-control-triggers: Rob Murray (5 mins)
- **CDNI URI Signing** Kent Leung (10 mins)
 - URI Signing for CDNI , draft-ietf-cdni-uri-signing
 - liaison from MPEG DASH
- **HTTPS and delegation of encrypted traffic between interconnected CDNs**
 - HTTPS and delegation of encrypted traffic between interconnected CDNs, draft-fieau-https-delivery-delegation-00: Frederic Fieau (15 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 Milestones: Upcoming RFC

- RFC xxxx: CDNI Media Type Registration (Informational) *(RFC Editor Queue)*

Working Group

Remaining Milestones


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

- IESG review conducted
- addressed last IESG comments including outcomes of “CDNI Logging Privacy design team”

- 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)
- 
- Ready for WG Last Call?
- URI Signing for CDNI: Aug 2015 (PS)

Working Group

Remaining Milestones

- CDNI Requirements : Done (Informational)
- CDNI Framework: Done (Informational)
- IPR disclosure to discuss
- 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)
- CDNI Framework: Done (Informational)

- Submitted to IESG for Publication

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

Working Group

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- CDNI Requirements : Done (Informational)
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Working Group

Remaining Milestones

- CDNI Requirements : Done (Informational)

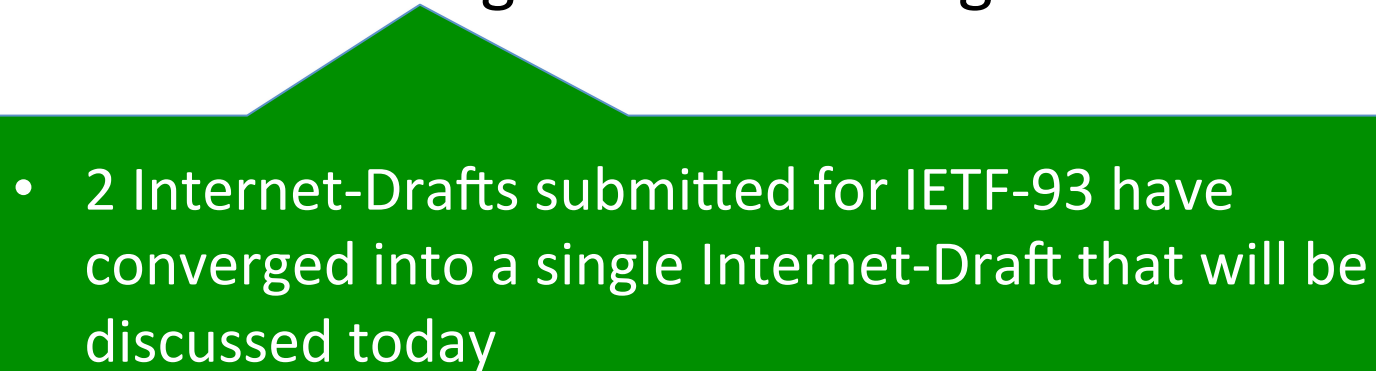
• CDNI Framework: Done (Informational)

- All HAS related material has been taken out in relation to (<http://datatracker.ietf.org/ipr/2603/>)
- Few more changes coming
- Ready for WG Last Call after that?

• CDNI Capabilities Adv. track: Dec 2015 (PS)

- URI Signing for CDNI: Aug 2015 (PS)

Beyond Working Group Milestones

- CDNI Rate Pacing
 - CDNI handling of HTTPS Delegation
- 
- 2 Internet-Drafts submitted for IETF-93 have converged into a single Internet-Draft that will be discussed today

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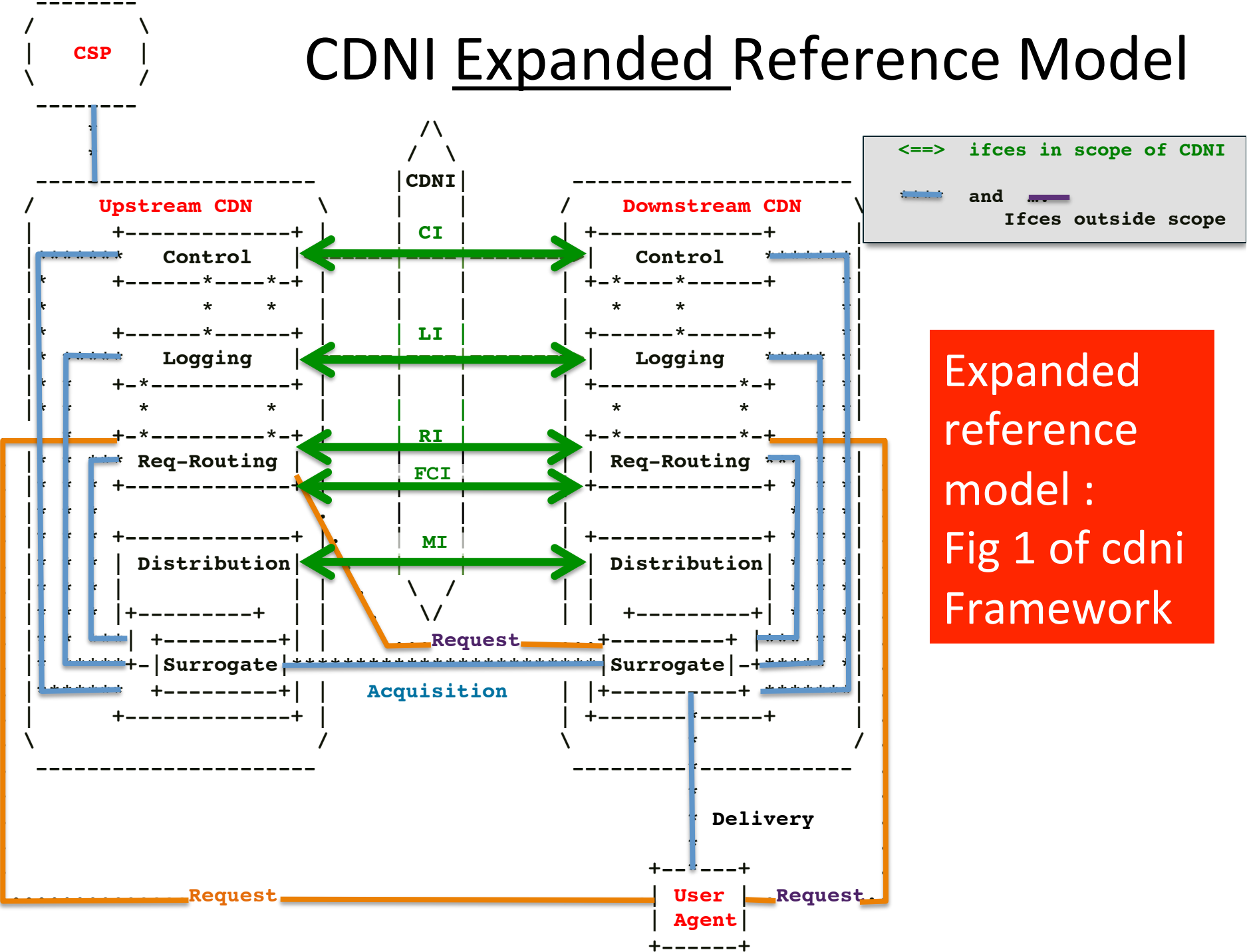
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Back-up Slides

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