

CDNI Working Group (CDN Interconnect)

Thank you Barry !



From CDNI WG

Thank you Barry !



ICE cold beers are on
their way from ICE WG

Welcome to CDNI

- IETF-95 Meeting Chairs:
 - Francois Le Faucheur
 - Kevin Ma (represented by Ray today)
- One session
 - Thursday, April 7, 2016, 14:00-16:00, Atlantico B
 - Remote attendance/presentations via Meetecho
- Minute takers?
- Blue sheets

Note Well

- Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:
 - The IETF plenary session
 - 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
 - Any Birds of a Feather (BOF) session
 - The IAB or any member thereof on behalf of the IAB
 - The RFC Editor or the Internet-Drafts function
- All IETF Contributions are subject to the rules of [RFC 5378](#) and [RFC 3979](#) (updated by [RFC 4879](#)).
- Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice. Please consult [RFC 5378](#) and [RFC 3979](#) for details.
- A participant in any IETF activity is deemed to accept all IETF rules of process, as documented in Best Current Practices RFCs and IESG Statements.
- 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)

- **Opening**
 - Agenda bashing & introduction: Chairs (5 mins)
 - Document status update: Chairs (10 mins)
- **CDNI Logging**
 - CDNI Logging, draft-ietf-cdni-logging: Francois Le Faucheur (5 mins)
- **CDNI Metadata**
 - CDNI Metadata, draft-ietf-cdni-metadata: Kevin Ma (5 mins)
- **CDNI Footprint & Capabilities Advertisement interface** Kevin Ma (5 mins)
 - Footprint & Capabilities Semantics , draft-ietf-cdni-footprint-capabilities-semantic

Agenda (2/2)

- **CDNI Request Routing Redirection interface:**
 - draft-ietf-cdni-redirection-10 : Ray van Brandenburg (10 mins)
- **CDNI Control interface**
 - draft-ietf-cdni-control-triggers: Rob Murray (10 mins)
- **CDNI URI Signing:**
 - draft-ietf-cdni-uri-signing : Kent Leung (10 mins)
 - draft-brandenburg-cdni-uri-signing-for-has : Ray vand Brandenburg (10 mins)
- **HTTPS and delegation of encrypted traffic between interconnected CDNs**
 - draft-fieau-https-delivery-delegation: Frederic Fieau (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)
- **RFC 7736: CDNI Media Type Registration (Informational)**

Working Group

Remaining Milestones


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

- IESG review concluded, all DISCUSS cleared

- URI Signing for CDNI: Aug 2016 (PS)

Working Group

Remaining Milestones

- CDNI Requirements : Done (Informational)
 - CDNI Framework: Done (Informational)
 - CDNI Logging interface : (PS)
 - CDNI Metadata interface: (PS)
- 
- Ready for WG Last Call?
- URI Signing for CDNI: Aug 2016 (PS)

Working Group

Remaining Milestones

- CDNI Requirements : Done (Informational)
- CDNI Framework: Done (Informational)
- Under IESG review
- Comments being resolved
- CDNI Redirection interface: (PS)
- CDNI Control interface (Triggers) : (PS)
- CDNI Footprint & Capabilities Adv Iface: Dec 2016 (PS)
- URI Signing for CDNI: Aug 2016 (PS)

Working Group

Remaining Milestones

- CDNI Requirements : Done (Informational)
- CDNI Framework: Done (Informational)

- Under IESG review
- Comments being addressed

- CDNI Control interface (Triggers) : (PS)
- CDNI Footprint & Capabilities Adv Iface: Dec 2016 (PS)
- URI Signing for CDNI: Aug 2016 (PS)

Working Group

Remaining Milestones

- CDNI Requirements : Done (Informational)
- CDNI Framework: Done (Informational)
- CDNI Logging interface : (PS)
- CDNI Metadata interface: (PS)
- Semantics:
 - under IESG review
 - Comments being addressed
- CDNI Footprint & Capabilities Adv Iface: Dec 2016 (PS)
- URI Signing for CDNI: Aug 2016 (PS)

Working Group

Remaining Milestones

- CDNI Requirements : Done (Informational)
- CDNI Framework: Done (Informational)

- WG document on URI signing: Ready for WG Last Call?
- URI signing for HAS: IPR update

- URI Signing for CDNI: Aug 2016 (PS)

Beyond Working Group Milestones

- CDNI Rate Pacing
- CDNI handling of HTTPS Delegation

- New rev following Yokohama discussions

Agenda (1/2)

- **Opening**
 - Agenda bashing & introduction: Chairs (5 mins)
 - Document status update: Chairs (10 mins)
- **CDNI Logging**
 - CDNI Logging, draft-ietf-cdni-logging: Francois Le Faucheur (5 mins)
- **CDNI Metadata**
 - CDNI Metadata, draft-ietf-cdni-metadata: Kevin Ma (5 mins)
- **CDNI Footprint & Capabilities Advertisement interface** Kevin Ma (5 mins)
 - Footprint & Capabilities Semantics , draft-ietf-cdni-footprint-capabilities-semantics

Agenda (2/2)

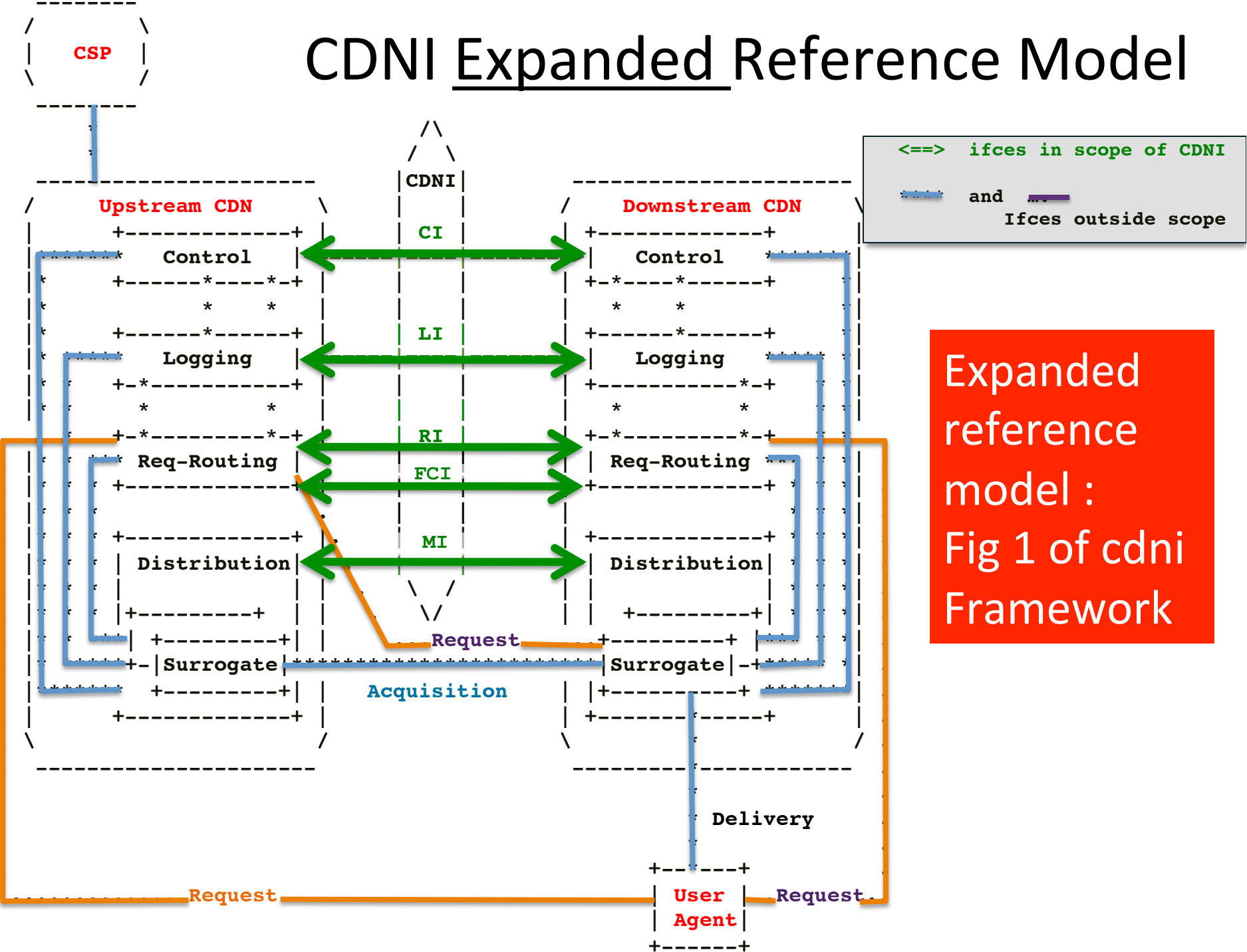
- **CDNI Request Routing Redirection interface:**
 - draft-ietf-cdni-redirection-10 : Ray van Brandenburg (10 mins)
- **CDNI Control interface**
 - draft-ietf-cdni-control-triggers: Rob Murray (10 mins)
- **CDNI URI Signing:**
 - draft-ietf-cdni-uri-signing : Kent Leung (10 mins)
 - draft-brandenburg-cdni-uri-signing-for-has : Ray vand Brandenburg (10 mins)
- **HTTPS and delegation of encrypted traffic between interconnected CDNs**
 - draft-fieau-https-delivery-delegation: Frederic Fieau (10 mins)
- **Closing**
 - Conclusions and next steps: Chairs (5 mins)

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