CDNI Working Group
(CDN Interconnect)
Welcome to CDNI

• IETF-100 Meeting Chairs:
  – Kevin Ma (remote)
  – Phil Sorber (sitting in for Francois Le Faucheur)

• One session
  – Thursday, November 16, 2017, 18:10-19:10, Sophia
  – Remote attendance/presentations via Meetecho

• Minute takers?

• Blue sheets
Note Well

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  • Any Birds of a Feather (BOF) session
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Agenda

• Opening
  – Agenda bashing & introduction: Chairs (5 mins)
  – Document status update: Chairs (5 mins)

• CDNI URI Signing:
  – draft-ietf-cdni-uri-signing: Phil Sorber (10 mins)

• HTTPS Delegation
  – draft-fieau-cdni-interfaces-https-delegation: Frederic Fieau (10 mins)

• SVA OC Extensions
  – draft-finkelman-cdni-sva-extensions-00: Ori Finkelman (25 min)

• Closing
  – Conclusions and next steps: Chairs (5 mins)
Working Group Milestones: Published RFCs

• RFC 6707: CDNI Problem Statement (Informational)
• RFC 6770: 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 Milestones: Published RFCs

• RFC 7937 Content Distribution Network Interconnection (CDNI) Logging Interface (Proposed Standard)
• RFC 7975 Request Routing Redirection Interface for Content Delivery Network (CDN) Interconnection (Proposed Standard)
• RFC 8006 Content Delivery Network Interconnection (CDNI) Metadata (Proposed Standard)
• RFC 8007 Content Delivery Network Interconnection (CDNI) Control Interface / Triggers (Proposed Standard)
• RFC 8008 Content Delivery Network Interconnection (CDNI) Request Routing: Footprint and Capabilities Semantics (Proposed Standard)
Working Group

Remaining Milestones

- CDNI Requirements: Done (Informational)
- CDNI Framework: Done (Informational)
- CDNI Logging interface: Done (PS)
- CDNI Metadata interface: Done (PS)
- CDNI Redirection interface: Done (PS)
- CDNI Control interface (Triggers): Done (PS)
- CDNI Footprint & Capabilities Adv - Semantics: Done (PS)
- URI Signing for CDNI: ? (PS)
Working Group
Remaining Milestones

• CDNI Requirements : Done (Informational)
• CDNI Framework: Done (Informational)
• CDNI Logging interface : Done (PS)
• CDNI Metadata interface: Done (PS)
• CDNI Redirection interface: Done (PS)
• CDNI Footprint & Capabilities Adv-Semantics: Done (PS)
• URI Signing for CDNI: ? (PS)

• One new Errata Filed for the Metadata interface
Working Group
Remaining Milestones

- CDNI Requirements: Done (Informational)
- CDNI Framework: Done (Informational)
- CDNI Logging interface: Done (PS)
- CDNI Metadata interface: Done (PS)
- CDNI Redirection interface: Done (PS)
- CDNI Control interface (Triggers): Done (PS)
- CDNI Footprint & Capabilities Adv - Semantics: Done (PS)
- URI Signing for CDNI: ? (PS)

- draft-ietf-cdni-uri-signing update to be discussed today
Beyond Working Group Milestones

• CDNI Rate Pacing
• CDNI handling of HTTPS Delegation
• CDNI Extensions for Streaming Video Alliance (SVA)
  • Updated I-D discussing CDNI extensions for ACME STAR and TLS Subcerts
Beyond Working Group Milestones

- CDNI Rate Pacing
- CDNI handling of HTTPS Delegation
- CDNI Extensions for Streaming Video Alliance (SVA) Open Caching (OC)
- New I-D discussing CDNI extensions for SVA OC
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• SVA OC Extensions
  – draft-finkelman-cdni-sva-extensions-00: Ori Finkelman (25 min)

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Chair Questions

• Is HTTPS Delegation something the WG should take on (ACME STAR vs Subcerts vs others to be decided by the WG)?

• Are the SVA OC extensions something the WG should take on (Metadata extensions, Triggers extensions, Split Authentication support, CORS Delegation support, and Alternate logging configuration, or any mix thereof to be decided by the WG)?