CDNI Triggers
draft-murray-cdni-triggers-00

Rob Murray
Ben Niven-Jenkins

IETF 83 Paris – March 2012
Requirements

• Addressing Control Interface Requirements for Triggers only

• Upstream CDN (uCDN) may ask Downstream CDN (dCDN) to...
  – Invalidate or Delete Content or Metadata
  – Preposition Content or Metadata
  – Report on those actions
CDNI Triggers Model

- RESTful web service provided by dCDN
  - JSON over HTTP
- POST to dCDN to create a trigger
  - Returns a Trigger Status Resource
  - GET/HEAD for status
  - DELETE to clear *(may stop a running trigger)*
- Collections of Triggers
  - Pending/Active/Complete/Failed
Discussion from the list

• Sequencing triggers
• RESTful interface and polling
• Error indications
• Access control
Open Issue - Data References

• Reference to Metadata
  – Its URL, as supplied to dCDN by uCDN

• Reference to Content – options...
  – Canonical URL / Origin URL / Metadata URL
  – Driven by Metadata Interface?

• Patterns allowed for invalidate/purge
  – Again - driven by Metadata Interface?
Control or Metadata Interface?

• Perhaps Metadata ...
  – Makes reference to Metadata
  – Content referenced as by Metadata

• Perhaps Control ...
  – Control of data

• Just naming
  – It’s a separate interface with its own semantics