CDNI Control / Triggers
draft-ietf-cdni-control-triggers-01

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Triggers Interface Overview

- uCDN can trigger dCDN processing
  - Invalidate or Delete Content or Metadata
  - Preposition Content or Metadata
  - Report on those actions

- uCDN POSTs to dCDN to create a trigger
  - Creates a Trigger Status Resource
  - Polled for progress using GET/HEAD
  - DELETE to clear *(may* stop a running trigger)

- Collections of Triggers
  - Pending/Active/Complete/Failed

7th Nov 2013
Changes between ’00’ & ’01’

• Alignment with other CDNI documents:
  – Updated references and interface names
  – MIME type names changed to match the metadata draft
Relationship Format (1)

Current representation { Link, Relationship, Type }
• Used by Triggers, Metadata, Request Routing, ...
• Based on “atom:link”

Proposal based on:
• http://stateless.co/hal_specification.html
• http://tools.ietf.org/html/draft-kelly-json-hal-06

Changes:
• Dictionary called "_links"
• Keys are the relationship type, values are a list of links
• A "self" link is included (where possible)
Relationship Format (2)

Current representation:

"links": [
  { "href": "http://ci.cdni.example.com/trigger/12345",
   "rel": "Trigger",
   "type": "application/cdni.ci.TriggerStatus+json"
  },
  { "href": "http://ci.cdni.example.com/trigger/12345",
   "rel": "Trigger",
   "type": "application/cdni.ci.TriggerStatus+json"
  }
]

Proposed representation:

"_links": {
  "self": { "href": "/all-triggers" },
  "Trigger": [
    { "href": "http://ci.cdni.example.com/trigger/12345",
      "type": "application/cdni.ci.TriggerStatus+json" },
    { "href": "http://ci.cdni.example.com/trigger/12346",
      "type": "application/cdni.ci.TriggerStatus+json" } ]
}
Next steps

• Update relationship format?
• Continue to align with other documents
  – One “editor’s note” remaining, align use of HTTPS