

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

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