CDNI Triggers
draft-murray-cdni-triggers-02

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Changes between ’01’ & ’02’

• Multiple triggers in a request
  – Added in ’01’
    • Attempted to resolve race condition between preposition and invalidate/purge requests affecting the same URLs, but …
    • Even if transit CDN passes the combined request to dCDN, dCDN could still prepopulate by acquiring content not yet invalidated in transit CDN.
  – Removed in ‘02’
    • Timing responsibility now pushed back to uCDN
Changes between ’01’ & ’02’

• Error handling
  – Behaviour in the presence of offline caches
    • Allow dCDN to report completion in the future (esp. for invalidate)
  – Some errors reported using HTTP status
    • Malformed request, permission errors
  – For others, enumerated error codes
    • EMETA, ECONTENT, EPERM, EREJECT, ECDN
  – “ErrorDesc” object
    • ErrorCode
    • References to affected Content/Metadata
    • Optional human-readable description for debug (open question about internationalisation – may be simpler to remove?)
Changes between ’01’ & ’02’

• Aligned metadata references with the metadata draft

• Ignore 'scheme' (http/https) when matching content urls for invalidate or purge
Next steps

• Is triggers a separate interface or do we expand it to be the control interface?

• Working group adoption