



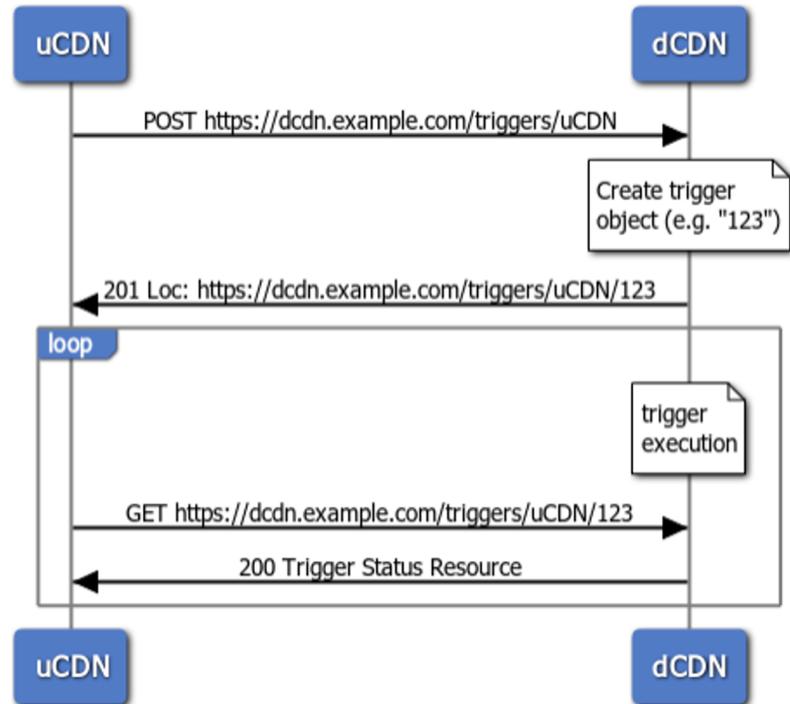
CDNi Control Interface / Triggers

2nd Edition

July 2021. Nir B. Sopher

RFC 8007: CDNi Control Interface / Triggers

- Content/Metadata management
 - Preposition
 - Invalidation
 - Purge
- I-D draft-ietf-cdni-triggers-extensions
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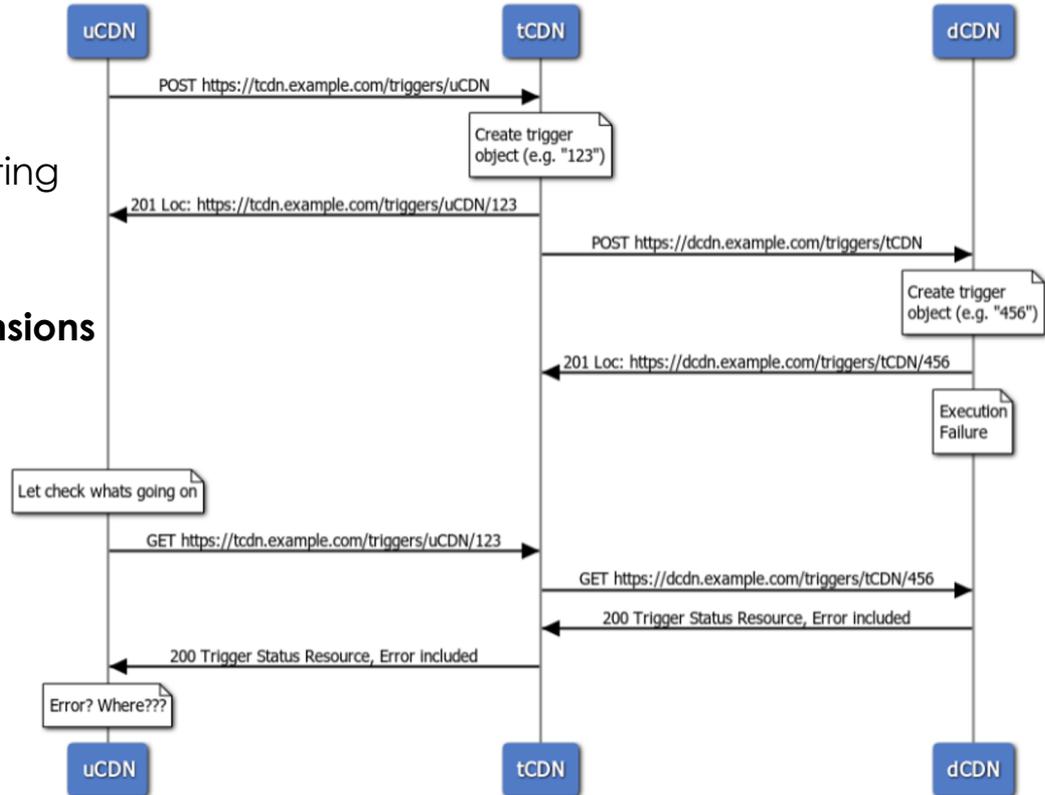


Added Functionality: Trigger Extensibility

- **RFC 8007**
 - Closed set of Trigger's properties
 - Do not support fine control over trigger execution
 - Location
 - Time
- **I-D draft-ietf-cdni-triggers-extensions**
 - Generic Extensions
 - RFC 8006: GenericMetadata
 - Trigger/Error.v2 objects
 - New property: List of extensions

Added Functionality: Error Propagation

- **RFC 8007**
 - uCDN is not able to identify the dCDN originating the Error
- **I-D draft-ietf-cdni-triggers-extensions**
 - Error.v2 object
 - New property: cdn



Added Functionality: Content Selection

- **RFC 8007**
 - A set of properties
 - metadata.urls, content.urls, metadata.patterns ...
- **I-D draft-ietf-cdni-triggers-extensions**
 - Support Regex and Playlist (HLS etc.)
 - Triggers.v2 / Error.v2 objects new properties
 - New properties: content.regexs & content.playlists

Additional Proposal (not in the current draft): Future Content Selection Methods

Current Trigger Properties

- type
- **metadata.urls**
- **content.urls**
- **content.ccid**
- **metadata.patterns**
- **content.patterns**
- **content.regexs**
- **content.playlists**
- extensions
- cdn-path

Suggested Trigger.V2 Properties

- type
- **objects** (**GenericTriggerObjects** list)
- **extensions**
- **cdn-path**

- **Suggestion**

- Benefit: Avoid future redefinition of the trigger/error objects
- Trigger/Error new properties:
 - List of content/metadata-selection objects
- The supported list of selection methods would be exposed by the FCI
- To be added after the draft becomes a WG draft

CDNi CI/T 2nd Edition

- Request for the new draft to be adopted by the WG
 - [draft-sopher-cdni-triggers-extensions-rfc8007bis](#)
 - Merge I-D draft-ietf-cdni-triggers-extensions into RFC-8007
 - Obsolete RFC-8007