

Updating Caching Policy in Trailers

draft-nottingham-cache-trailers-00

Mark Nottingham (document author), June 2021 HTTP WG Interim

- Sometimes, origins only know what the caching policy for a response should be *after* they generate it
 - E.g., when an error is encountered
 - Or, when data is assembled from multiple sources
- This means that they need to either:
 - Send a conservative caching policy
 - Buffer the response
- Both are bad for performance.

- HTTP trailers allow sending metadata after the body^{H^H^H^H}content.

- draft-nottingham-cache-trailers proposes a way to allow caching policy to be updated in trailers.
- I believe it has the properties that are necessary to enable compatible deployment and succeed for that use case.
- Others seem to disagree - either about those design choices, or the appropriate scope of the solution.
- Nevertheless, it does *seem* to be a topic that's of interest to this WG.

Willy, Adrien, David, Daniel, Wesley, G... 11/2/21
Cache control in trailers? 116

Willy Tarreau 11/2/21
This sounds like an excellent idea. Maybe somethin...

Adrien de Croy 11/2/21
This makes me wonder whether it would be useful t...

David Benjamin 11/2/21
(This thread has gotten extremely long. I've only rea...

Willy Tarreau 10/2/21
Sure and this has been used as an argument again...

Daniel Stenberg 10/2/21
A cut off download can in most cases get retried an...

Willy Tarreau 10/2/21
Hi Daniel, As a user, I hate it when an interrupted d...

Daniel Stenberg 10/2/21
That's **exactly** what I thought when I grabbed that...

Adrien de Croy 10/2/21
There are special problems with scanning for viruse...

**Is this a problem that the WG
is interested in addressing?**

Is the draft a suitable starting point?*

* Considering that we always consider a newly adopted draft to require consensus for its contents as well as changes