Dates in Requests

draft-thomson-httpapi-date-requests

IETF HTTPAPI Working Group

IETF 113

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Using the Date field in HTTP requests is rare.
Sometimes it is necessary to somehow include \textit{now()}.
Signed requests (such as ACME, message signatures) OHTTP

Purpose of draft:
Explore the consequences
Make dates/timestamps work better
In OHAI we need an anti-replay strategy
We could build something bespoke, but we decided not to
HTTP has all the pieces we need
The Date header field is perfect*

Use Case: OHTTP
Clients and servers often disagree about what time it is

By a lot sometimes and more often than you might think

To correct errors: copy the Date from the response

New problem type [RFC7807bis] to signal this

Draft reviews some considerations

Using untrusted time is not a good idea (so limit scope of use)
Intermediaries might overwrite Date (no problem, probably)
Rules for how to avoid caching problems (use Vary as appropriate)
Is this useful material?
Is this group interested in working on this?