Extensible Priorities

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draft-ietf-httpbis-priorities

Status

- draft-ietf-httpbis-priority-05 published 2020-09-24
- Editorial changes
  - Mainly accommodating RFC 7540bis
- One issues raised as a spin-off from review
- This is the only remaining open issue
  - Next slide
- WGLC now?

When SETTING deprecate H2 priority, is extensible priority mandatory?

https://github.com/httpwg/http-extensions/issues/1679

- HTTP/3 has no signals, so if you want to use Extensible priorities just use them
- HTTP/2 has signals (in HEADERS or PRIORITY frames)
- Extensible priorities can be used at the same time at HTTP/2 signals, no wire breakages. But it might be confusing.
- If a client wants to use extensible priorities instead, an optimization is to tell the server
- If a server would ignore HTTP/2 signal, an optimization is to tell the client

Disabling RFC 7540 Priorities in HTTP/2 connections

SETTINGS_DEPRECATE_RFC7540_PRIORITIES (same -04 but new name)

Allows client and server to indicate they won't use RFC 7540 stream priorities

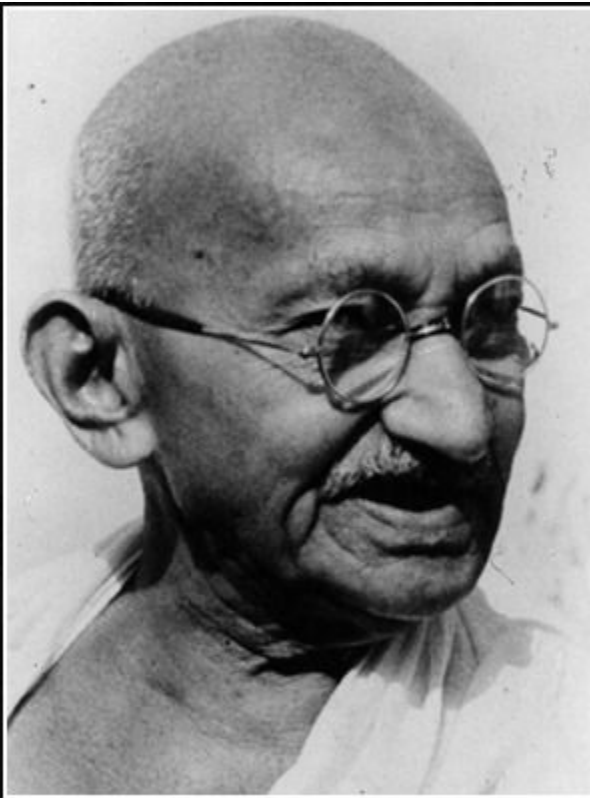If you want to do this, MUST send it at the start

The issue at hand

Do you **have** to use Extensible priorities?

Ambigous text

"This prioritization scheme and its signals can act as a substitute for RFC 7540 stream priority."

"The SETTINGS_DEPRECATE_RFC7540_PRIORITIES setting is defined by this document in order to allow endpoints to explicitly opt out of using HTTP/2 priority signals (see Section 5.3.2 of [HTTP2]). Endpoints are expected to use an alternative, such as the scheme defined in this specification."

"Where both endpoints disable RFC 7540 stream priority, the client is expected to send this scheme's priority signal. Handling of omitted signals is described in Section 4."

It's not just words. Action expresses priorities.

— Mahatma Gandhi —

AZ QUOTES

Proposal

don't require that extensible priorities is used - https://github.com/httpwg/http-extensions/pull/1705

Editorial change to decouple the SETTING that allows *any* alternative, from the new alternative that *can* be used

Is this fine (modulo nits)?

Merge and ship?