HTTP/3 ORIGIN Frame

Exactly as you know and love it (or don't)

Semantic Changes from HTTP/2

Structural Changes from HTTP/2

- Stream 0 means Control Streams

- Flags mean 🤷

What the Flag?

HTTP/2 version says:

This specification does not define any flags for the ORIGIN frame, but future updates to this specification (through IETF consensus) might use them to change its semantics. The first four flags (0x1, 0x2, 0x4, and 0x8) are reserved for backwards-incompatible changes; therefore, when any of them are set, the ORIGIN frame containing them MUST be ignored by clients conforming to this specification, unless the flag's semantics are understood. The remaining flags are reserved for backwards-compatible changes and do not affect processing by clients conformant to this specification.

A few OPTIONS

- Deprecate flag usage from the HTTP/2 version in this spec

- Add an always-present Flags byte to the HTTP/3 frame
  - …which will almost certainly be 0x00 99.9999% of the time

- Add an optionally-present Flags byte to the end of the HTTP/3 frame
  - MAY be omitted if no flags are set
  - Danger of unexercised code