What

- PING is an HTTP Datagram Format Type
- Pings are sent between the HTTP client and origin
  - Can be sent in either direction
  - Opaque to intermediaries
Why

- Enables DPLPMTUD for the HTTP Datagram MTU
  - HTTP supports intermediaries, so endpoints can’t determine the Datagram path characteristics from measurements at a lower layer
  - Important for CONNECT-IP:
    - Allows advertising the correct MTU on a virtual interface.
    - If the virtual MTU would be <1280, the endpoint may need to send packets in $(MTU, 1280]$ reliably to remain RFC-compliant.
- Also good for measuring RTT and loss rates in any application (e.g. for performance debugging)
Status

- Seeking WG adoption in MASQUE
- Depends on Datagram Contexts
- Most useful when combined with an end-to-end reliable datagram delivery mechanism (e.g. an OPAQUE_DATAGRAM capsule type)