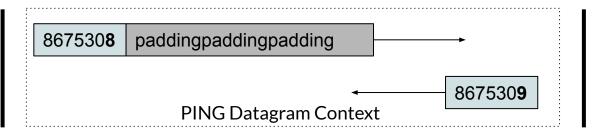
PING for MASQUE

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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



Peer A Peer B

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)