# The HTTP Wrap Up Capsule

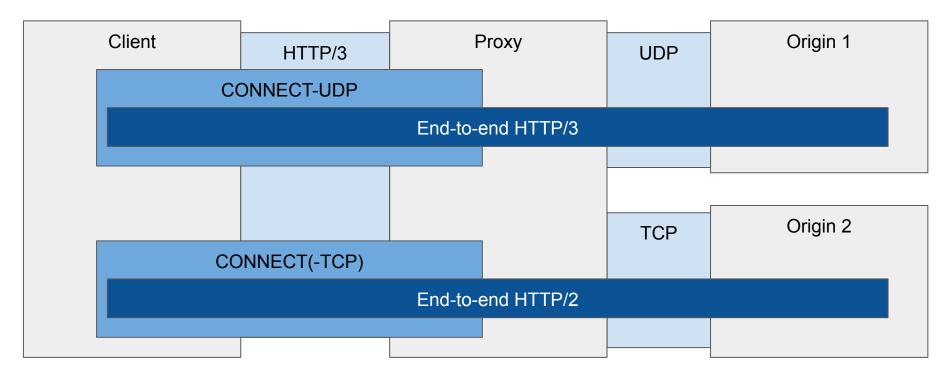
draft-schinazi-httpbis-wrap-up
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#### GOAWAY is a sledgehammer

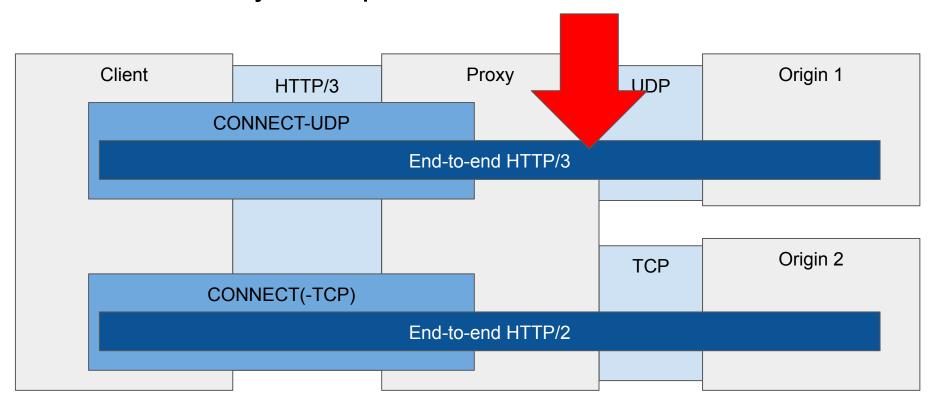
- A signal for graceful close of a connection
- Inhibits new requests but allows existing ones to continue
- In several types of deployment, there is not a 1:1 mapping between upstream and downstream connection
  - Carrying GOAWAY from one connection to another doesn't make sense

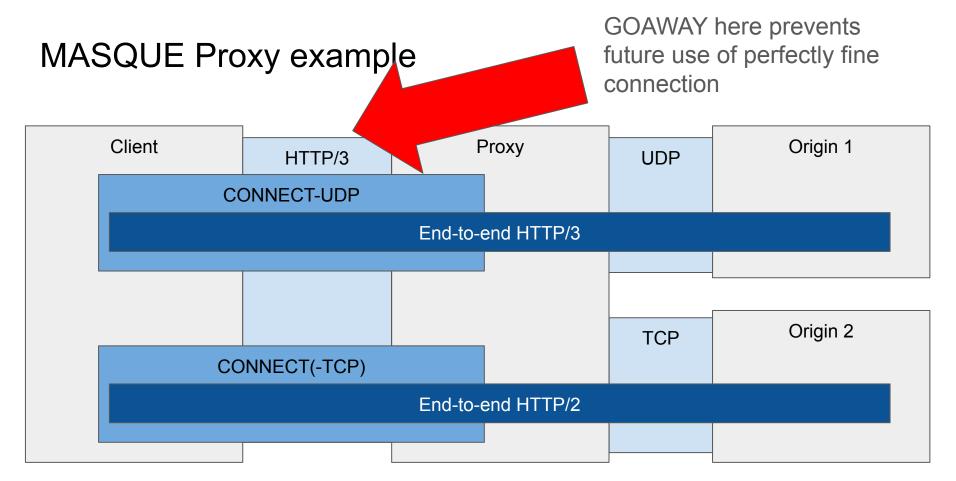
#### MASQUE Proxy example

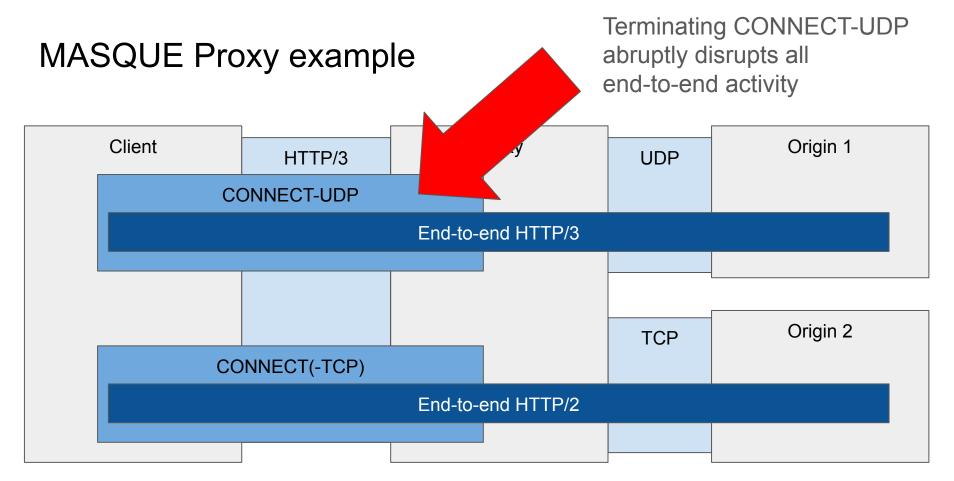


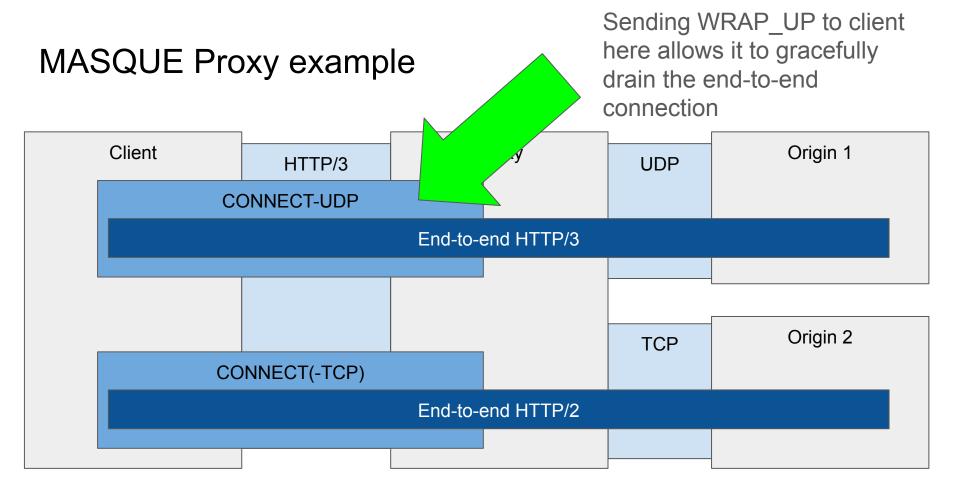
### MASQUE Proxy example

#### Proxy can't inject anything here









### WRAP\_UP capsule

- Simple capsule with no payload
- Proxy sends WRAP\_UP on a stream using the capsule protocol
  - e.g., CONNECT-UDP, CONNECT-TCP
- When the client receives a WRAP\_UP, start wrapping up
  - e.g., stop issuing new HTTP/3 requests over the CONNECT-UDP channel, open a new one ...

#### Allow clients to send WRAP\_UP?

- Draft currently allows only servers to send WRAP\_UP
- Some mailing list discussion on allowing clients to send
- Is there sufficient problem and interest in adding the capability?

#### Ready for adoption?

- Authors believe this helps address concrete problems
- We can iterate on design details once adopted into WG



## Backup slides

#### HTTP Gateway example

GOAWAY from one origin connection can't be forwarded on the aggregated connection

