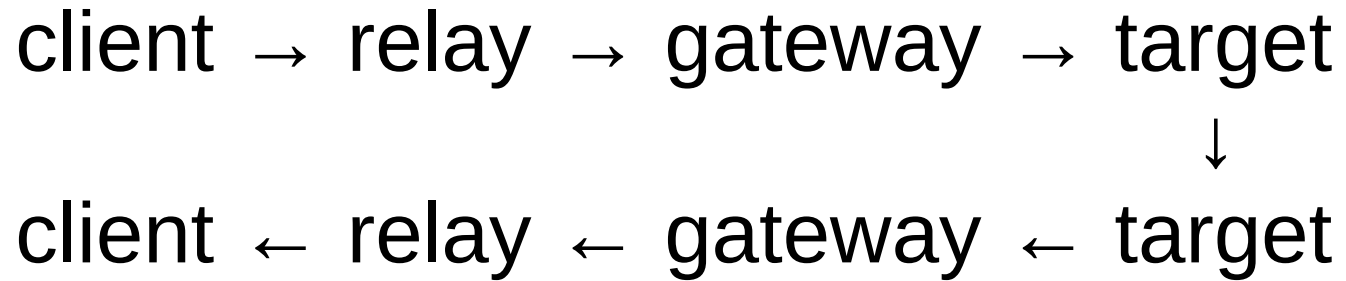


Unreliable OHTTP

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OHTTP



Use case

Data logging system:

client → endpoint → ingest log

log → batch analysis job

* [draft-dss-star](#)

Use case

Data logging system with ohttp:

client → relay → gateway → endpoint → log

Use case

Combine gateway and endpoint?

client → relay → endpoint → log

Use case

Combine gateway and endpoint:

client → relay → endpoint → log

log → batch process

Teach endpoint OHTTP

- Endpoint was supposed to be lightweight!
- Need request/response serialization
- HPKE key provisioning

Insight

We only need all this to return 200 OK

Our application doesn't validate message
content online

Unreliable delivery

- Our draft* proposes an extension for this:
 - Relay or Gateway responds immediately with 202 Accepted and an *empty response body*
 - Relay and/or Gateway buffer and deliver request body “later”

* [draft-wood-ohai-unreliable-ohttp](#)

Unreliable delivery

- Client can opt in
 - Accept: message/ohhttp-ack
 - Prefer: respond-async
- Relay/Gateway can enforce

Unreliable delivery

Advantages:

- Secure Gateway
- Deployment options
- Larger jitter window

Disadvantages:

- More config
- Prevents retransmit on failure

Questions

Is this an interesting use-case?

Technical improvements?