

# Transport Information Header

draft-ohanlon-transport-info-header

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# What is it?

- Response header providing server transport metrics
  - Server only metrics: sender cwnd
  - Shared state: rtt, rttvar
- Useful for clients which can't access this information directly
  - E.g. An approach for clients to infer transport rate, etc
- Not exclusive to TCP, could represent QUIC or other state
- Allows multiple samples per header
  - With H2+ one can provide arbitrary interval responses i.e. higher resolution

# Examples

Transport-Info: ExampleEdge; ts=1567176968.69;  
cwnd=24; rtt=250;

Transport-Info: "origin.example.com"; alpn="http/1.1";  
ts=1574155886.23; rtt=95,  
"edge.example.com"; alpn="h2";  
ts=1574155889.14; rtt=208;

# Known Issues

- HTTP CONNECT Proxies?
- ALPN is problematic for inferring TLS
- Choice of appropriate time representation/resolution
  - Use Timestamps format [RFC3339]?
- Which other optional metrics to include
  - or just leave it flexible?

<https://github.com/bbc/draft-ohanlon-transport-info-header/issues>

Questions?