

# Alternative Services

draft-ietf-httpbis-rfc7838bis

IETF HTTP Working Group

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Unchanged since last time

**Status**

Open issues might fall into the following loose areas

Semantics and applicability

Coalescing

Use of TLS (ALPN, ECH)

**Big Issues**

An alternative is valid for  
the identified origin  
while the advertisement is fresh  
(if persist=0) while the network remains the same  
Not great in heterogeneous server deployments  
esp. if Alt-Svc ma >> DNS TTL

**RFC 7838 and  
Multiple CDNs**

New persistence options to consider:

$\alpha$  – universal alternative (persist=1)

$\beta$  – alternative for this client location (persist=0)

$\gamma$  – alternative for this server location (IP + port)

$\delta$  – alternative for this network path

$\varepsilon$  – alternative for this CNAME/SVCB alias (?)

**Alternative Persist  
Options**