Alternative Services

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IETF HTTP Working Group
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Martin Thomson (in the absence of Mike Bishop)
Unchanged since last time
Open issues might fall into the following loose areas:

- Semantics and applicability
- Coalescing
- Use of TLS (ALPN, ECH)
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
New persistence options to consider:

\( \alpha \) – universal alternative (\( \text{persist}=1 \))

\( \beta \) – alternative for this client location (\( \text{persist}=0 \))

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

\( \delta \) – alternative for this network path

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