

draft-ietf-rtcweb-transport

Status and next steps

What has changed - 07 to 08

- <https://tools.ietf.org/rfcdiff?difftype=--hwdiff&url2=draft-ietf-rtcweb-transport-08.txt>
- 6 months of wall time
- HTTP Proxy language changed
- Deleted bundling by media type from MUST

HTTP Proxy

- -07 had a reference for HTTP CONNECT
- -08 has a reference to draft-ietf-httpbis-tunnel-protocol
- Language in -08 is intended to be shorter and clearer
- Lost references to authentication; these will be restored in -09 (RFC7231, RFC7235)

Per-media-type bundling

- JSEP and -transport have to be consistent
- JSEP states that “balanced” is 1 bundle, alternatively 1 audio and 1 video flow (rest blocked by “bundle only”)
- Transport -07 indicated that a “all video bundled, all audio bundled” mode is mandatory
- Consistency is needed. Transport changed.

Proposed Additions to Transport

- RETURN reference
 - draft-schwartz-rtcweb-return
 - MUST, SHOULD, MAY, no mention?
 - Any parameters?
- DTLS over ICE and 5-tuples
 - Next slide
 - <https://github.com/rtcweb-wg/rtcweb-transport/pull/2>
- Please raise issues on github!
 - <https://github.com/rtcweb-wg/rtcweb-transport>

SRTP-DTLS over ICE - 5-tuples

+ `<t>Note: DTLS-SRTP as defined in RFC5764</xref> defines`
+ `protection of data carried over a single UDP source and destination`
+ `port pair (RFC 5764 section 3). In the context of using ICE, the term`
+ `"single UDP source and destination port pair" needs to be understood`
+ `as "a single ICE component", as defined in RFC5245</xref>.`

- This has come up in several contexts this week. Affects behavior on candidate pair change.
- An update of RFC 5764 can fix this, but will take time.
- Need to say this in the meantime.