

ALPN for STUN

draft-patil-tram-alpn

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Overview

- Defines an ALPN label for STUN
- Allows an endpoint to identify STUN uses and distinguish from other TLS protocols
- Purpose is to allow application layer to negotiate STUN within TLS connection
- The STUN ALPN protocol identifier applies to both TLS and DTLS

Next Steps

- Create a WG milestone for this work?
- Adopt as WG document to satisfy this?
- Need additional reviews
- Resolve open issue

Open Issues (#1)

- Do we create separate ALPN protocol identifiers for STUN and TURN?

Advantages:

- Improved external identification granularity

Disadvantages:

- Two application protocol approach may make implementations more complicated/confusing
- May be difficulty in differentiating the two with ALPN when TURN was specifically designed to be able to run on same port as STUN usage