

TCP Candidates with Interactive Connectivity Establishment (ICE)

draft-ietf-mmusic-ice-tcp-12

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Changes since last time

- Added SDP examples & simplified recommended prioritization formula
- Hadriel Kaplan's review identified new issues
 - Better format and ABNF for the SDP encoding
 - Lack of (real) lite mode resulted in being unable to negotiate between IPv6 and IPv4 without full ICE
 - > not good for IPv6 transition
 - > agreed on the mailing list to restore lite mode

ICE TCP Lite Mode

- Almost identical to UDP lite mode
- Lite implementations gather only passive candidates (and 1 active as offerer default)
 - Full implementation sends checks and selects pair
 - Both lite -> controlling agent (offerer) makes a new offer using co-media (RFC 4145) and selects the most preferred candidate pair
 - Controlling agent MAY initiate the (media) TCP connection in parallel with the new offer

Proposed Fixes for the Last Review

- **SHOULD** [not send data that looks like a STUN message] vs. **MUST**
- **Not** adding extra text on how to split payload that looks like a STUN message
- Clarifying how passive and active server reflexive candidates can be obtained
- Clarifying that one should try to detect tunnel interface (vs. native local interface)

Next steps

- One more revision with fixes to the latest review comments
- WGLC?