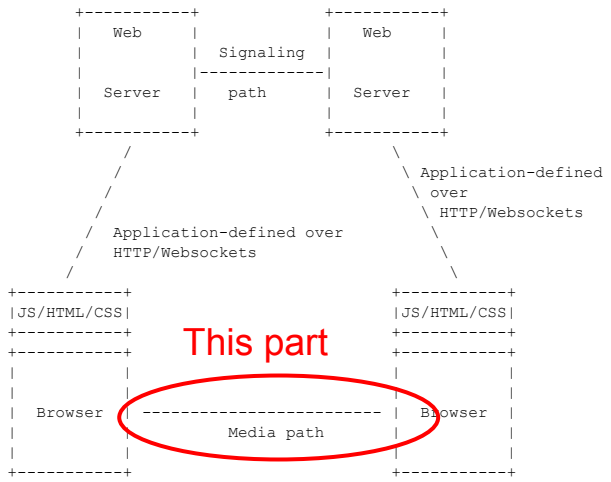
Transports

draft-ietf-rtcweb-transports-02

Harald Alvestrand

What -transports is intended to be

- Documents the browser-to-browser part of the RTCWEB stack
  - Not SDP
  - Not API
- Mostly pointers to other docs



Open Issues

- Firewall-friendly features
  - Mostly around use of TCP, with and without TURN
- QoS discussions
  - Triggered by Magnus’ review
- Congestion Control discussions
  - Also triggered by Magnus’ review

Firewall Friendly Features

- TCP ICE candidates: M / S / MAY
  - Useful for TCP-out-allowed if server is on Internet
  - Requires a framing layer to be defined for RTP
  - Requires something to be done for SCTP
- TCP to TURN server: M / S / MAY
  - Seems to be simple: MUST
- TLS to TURN server: M / S / MAY
- HTTP CONNECT method: M / S / MAY

HTTP CONNECT method

- Discussed in -firewall
  - Needs definition of proxy location method (.pac?)
  - Needs a name to present to the proxy, so that configurations can be appropriate
  - Needs an encapsulation (TURN-over-TCP)
- Which draft?
- What status?

QoS discussions

- Use of DSCP markings
  - draft-dhesikan in TSVWG
  - Per-packet marking in UDP may be controversial
  - How many words on discussing the tradeoffs in usage of BUNDLE?
- Other QoS models
  - If it’s not explicit, it’s DPI-based or flow based
  - If it’s explicit, what interfaces are we marrying?

Congestion Control Issues

- We have:
  - circuit-breakers for RTP (hoping for RMCAT)
  - SCTP for data
- We may need words on:
  - Prioritization in client (interacts with API)
  - Expected behaviour of network (interacts with QoS)
- How much do we need to say?

What else?