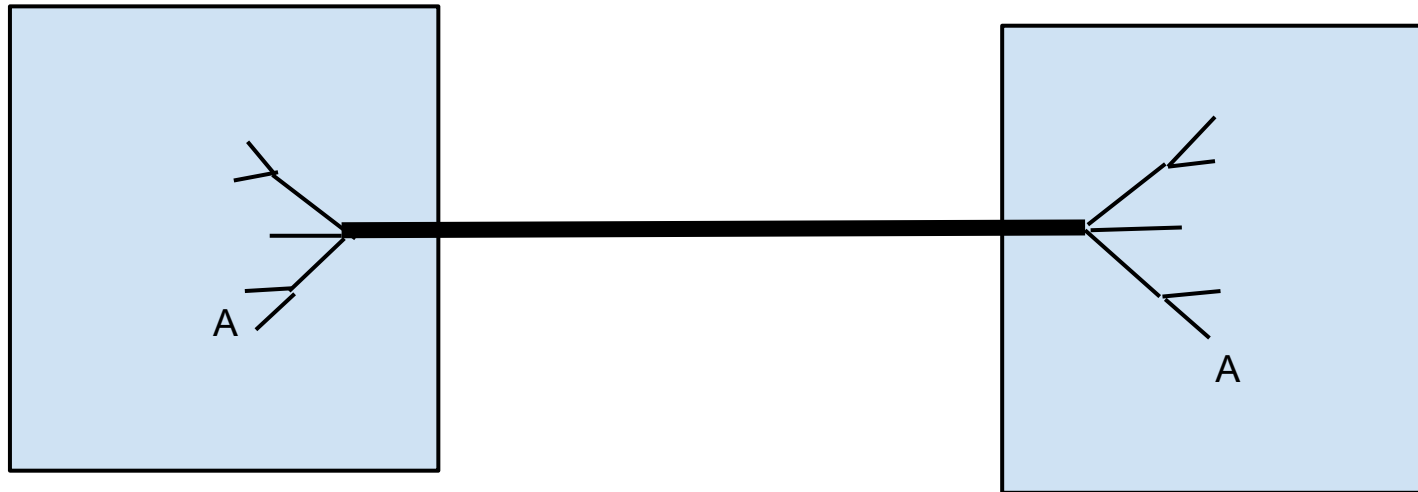


MediaStreamTrack in SDP

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The problem

Track inside Stream inside PeerConnection



How do you say "this one"?

Solutions

- Ignore problem
 - Works badly with multiple streams
- Use existing identifiers
 - SSRC
 - Doesn't exist until PeerConnection connected
 - Fits with track, but not with stream
 - CNAME
 - Has other semantics (synchronization, source)
 - RTP session / SDP m-line
 - Unique media type breaks MediaStream concept
- Add a new identifier
 - Nonstandard, API only
 - Standard, carried in SDP blobs

The MSID solution

- Define a stable ID for a MediaStream
- Combine with index for MediaStreamTrack
- Pass over SDP in a SSRC-specific attribute

m=video

a=ssrc:1334 msid=13F7 v2

m=audio

a=ssrc:3497 msid=13F7 a3

Discuss?