

SSRC Demux

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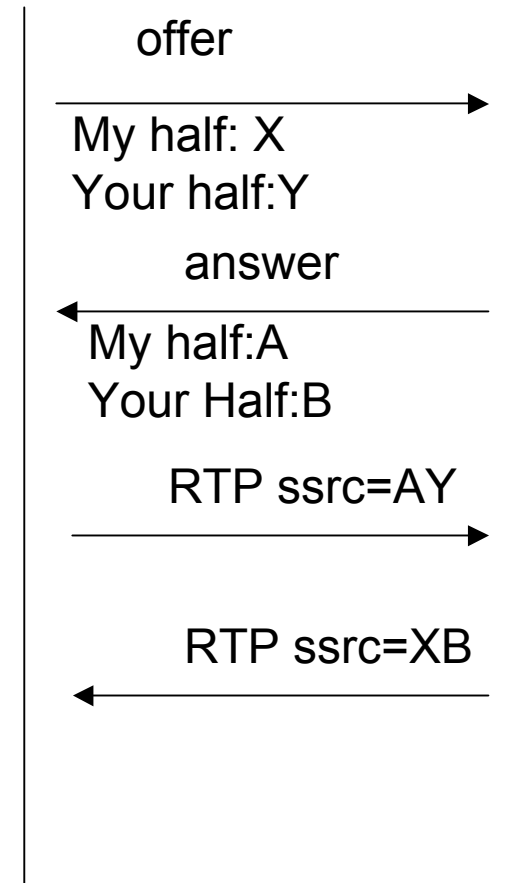
Jonathan Rosenberg

Motivation

- RTP is very firewall unfriendly
 - Not a well known port or protocol
 - Requires an IT admin to open inbound and outbound ports across the domain
 - Industry instead uses Session Border Controllers
 - Like to not require this just because of incompatibility with firewalls
- Want to make it easy for firewall admins to set up rules

Approach

- Offerer provides
 - Top half of SSRC peers should send
 - Bottom half of SSRC it will send
- Answerer provides the same
- Allows to demux based on SSRC
 - High likelihood of working with forking



Known Limitations

- Doesn't work well with clients behind NAT using STUN
- Works well with port forwarding in NAT
- Works well with providers/enterprises that deploy RTP and want to allow packets inbound on a single port
 - Doesn't work well for outbound until widely deployed

Fire Away!

