

RTCWEB Terminology

A Discussion of relation between RTCWEB Media Protocol Terminology and the PeerConnection API



RTP Related Terminology

- McdtinMediatiSession between two or more entities
 - Can contain one or more RTP session
 - –Can be represented by the
 - -Example representations are in a SIP Dialog or RTSP Session

>

- **PT中** space shared between 2 or more entities sending zero or more media streams
 - -From a single end-points perspective, usually represented by:

>

- A port(s) to receive RTP and RTCP
- Onen promityre indekstimeticia stytpes (FRTCR/72 BamduRTpCR itog. will have multiple types)
 - myleigla typasparticular purpose and usage in an application context.
- Media for a particular purpose and usage in an application context.



RTP Related Terminology

- Dentifies a single media source (e.g. camera, microphone, audio mix)
 - Breander Stout beer und entities in the land sent of th
 - Multi-channel audio is commonly sent as a single SSRC using a media format capable either packetizing multiple channels or encoding
 - Multi-channel audio is commonly sent as a single SSRC using a media format capable either packetizing multiple channels or encoding medial formation channels are not bit stream.
- > Ldleigtifæsviðhing rachmoltti izra tid i a cæntæi sótn

CName

is applied to the SSRCs in one or more RTP sessions that a specifically synchronize

An Identifier representing the encoding and

packetization of the media

Prangle in the Representation of the media



WEBRTC API Terminology

- Reseita នៅមេនាក់ editors draft dated: 23 Aug 2011:
- Contains zero or opper tracks

parente le la serie de la serie de la child that is equal or a subset of the

- a Medrastreamset jet teach share that is so one object contains the same tracks, MediaStream
- Each MediaStream

object

- > MediaStreamTrates a Label
 Exingle okecia soigioatenfottinchannel audio is a single track
- Media device, such as video camera or microphone

File which plays back in real-time

- Rleckávedvisce, rsuetlwask video camera or microphone
- > File which plays back in real-time
- > Received over network



WEBRTC API Terminology

MediaStream

PNOTE: Child objects inhere Medici Spranami'w hearbelle livered to the other

> Media megiation association between two peers signalling

- (Scording Figure 4) A line of the contraction level is a contract of the con
- Is configured with STUN and TURN server resources
- -Contains ICE, Media Transport, etc.



Discussion: MediaStream and Label

be represented by the Gasaleynchronization context, that could MediaStreamTracks

of the same context, e.g. captured in the same room

that are part

MediaStream

sent by a PeerConnection can be represented by a list of RTP

- > The sesqiane Pasching construct
 - -The

The Manda Streams be part of multiple Media Streams

possibly severapediffesessions

- Needs to be exchanged between peers
- The MediaStream Label can't be CNAME:
 - > The same track can be part of multiple MediaStreams
- Needs to be specified!

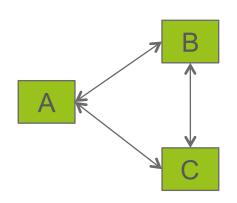


Discussion: RTP sessions

Current

PeerConnection

definition results of peerseize Abnactional between each pair of peersebapp



to both PeerCompactionsin Helians Media Stream object

-The seale bit emitted it and the sealer of the sealer of

may be

desire the tarretunt of screen estate at peers

- Application logic's usage of streams

 Configuration

 Configuration**

 Configuration**
- Capability negotiation between peers may result in different codecs etc.



Discussion: RTP sessions

PeerConnections

Implies same media streams to all participants
 Allows for RTCP information for legs a peer is not directly involved in.

No Use case requiring this structure currently service of afternative is to use individual RTP PeerConnection

- Allows different rates and codecs in each PeerConnection
 - Adaptation modules needs to combine information across multiple PeerConnections

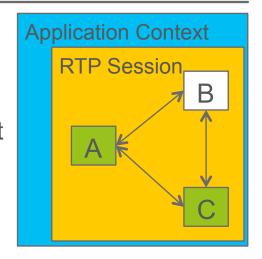
 RTP sessions

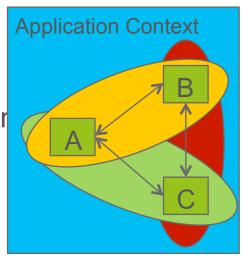
 and

.The application context may need commor intermetion access the peers

in syrmation and resonte aspects

- Identities of streams
- Synchronization contexts







Discussion: Multi-Party RTP Sessions

view

- —A Mixer has a different view, but is after all a more advanced by a different view, but is after all a more advanced by the session of the context of only one PeerConnection from the end-point's (A, B, C or D) view
- A Mixer has a different view, but is after all a more advanced RTP entity

