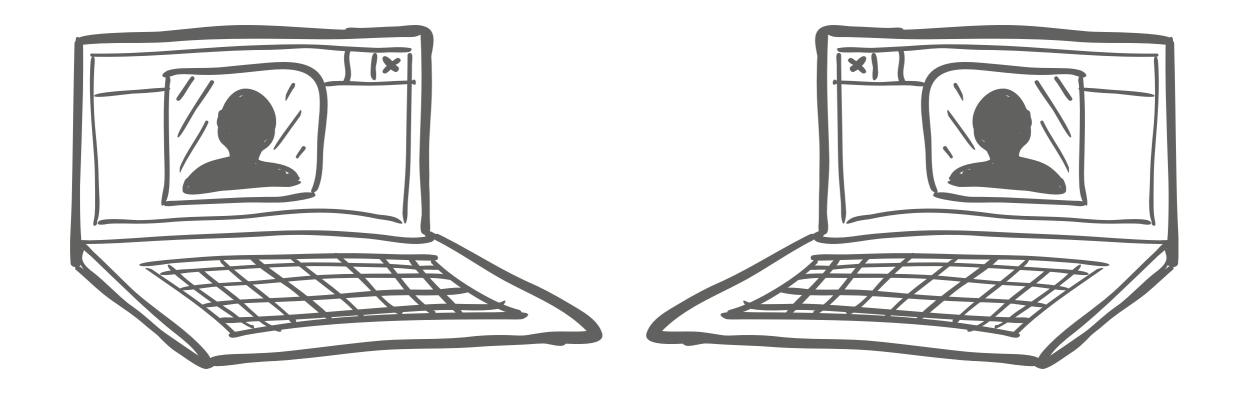
Introducing the WebRTC APIs

Lisa Larson-Kelley LearnFromLisa.com @lisamarienyc





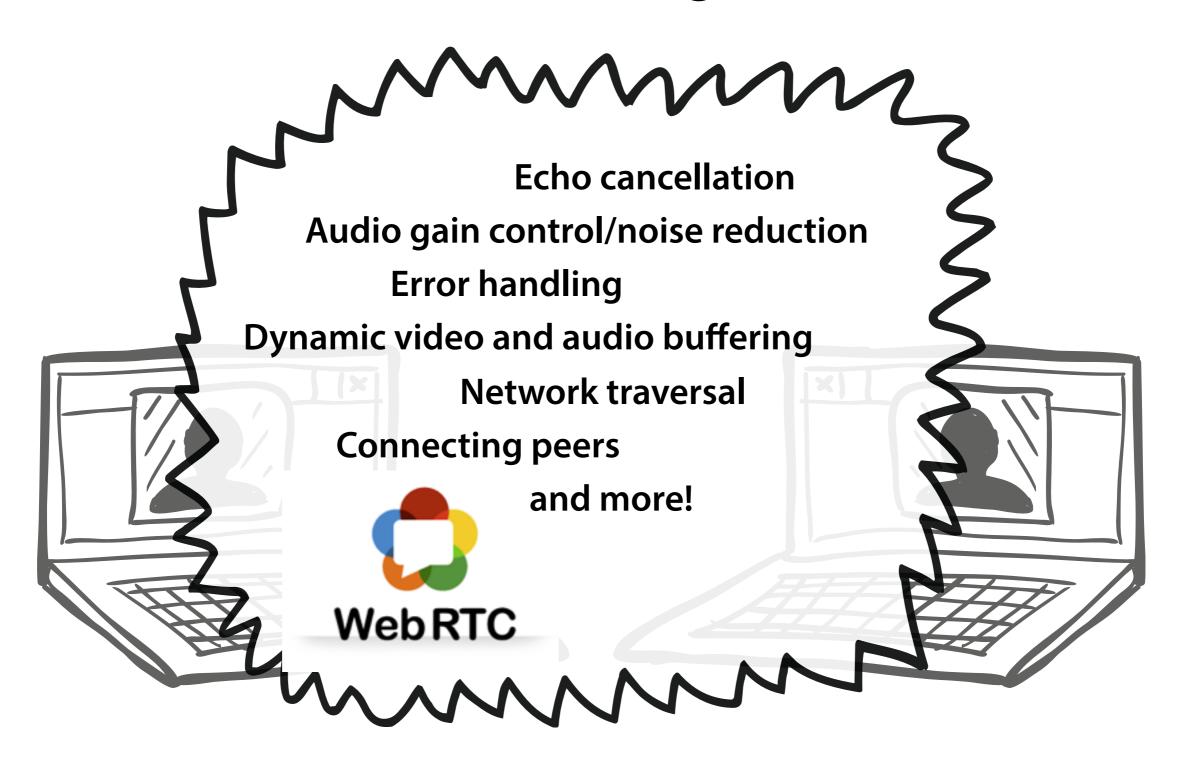
Videoconferencing is Hard.



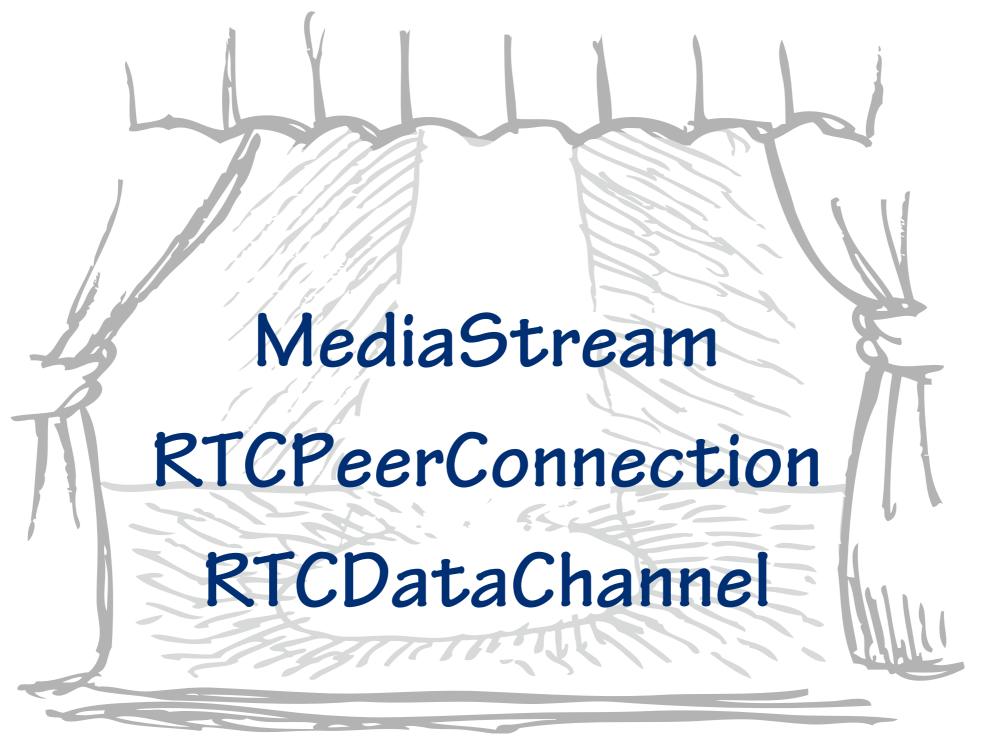
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Videoconferencing is Hard.



Ladies and Gentlemen, The WebRTC APIs:

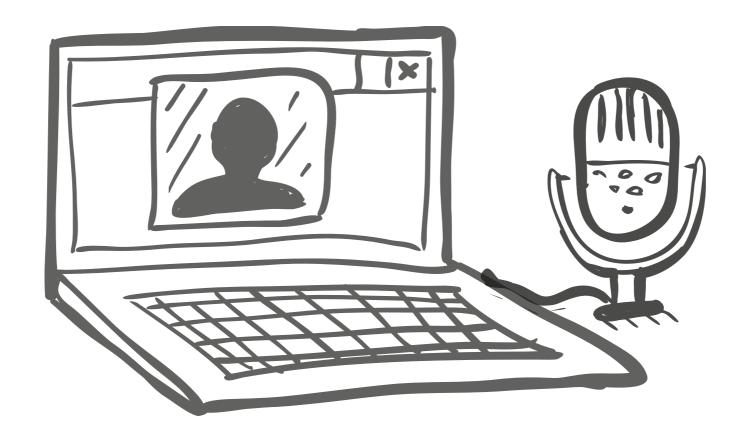




The MediaStream API

The MediaStream API

getUserMedia()



The MediaStream API

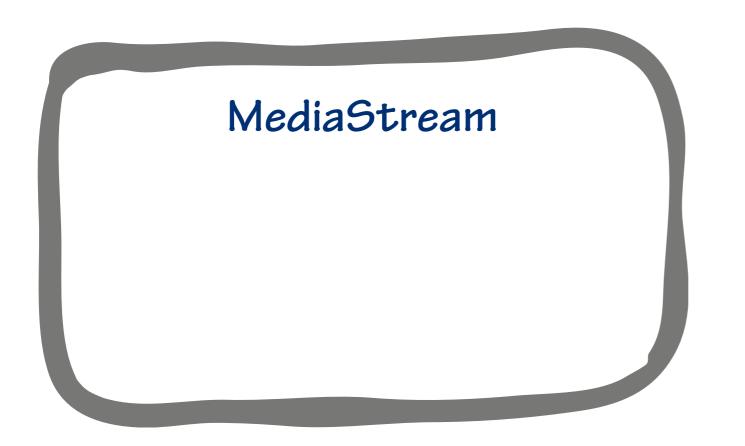
getUserMedia()

MediaElement

RTCPeerConnection

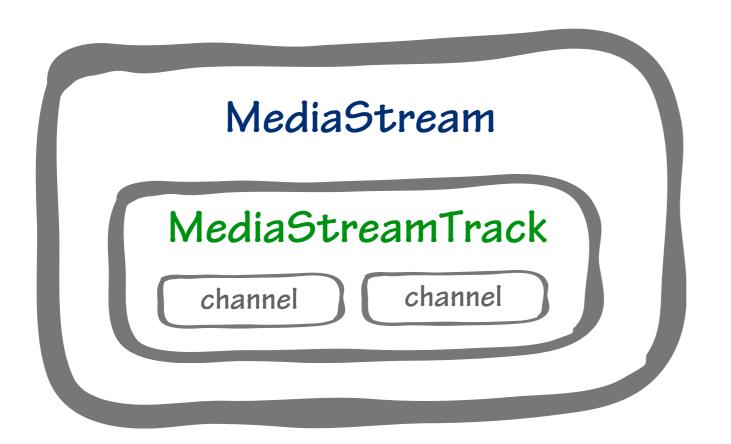


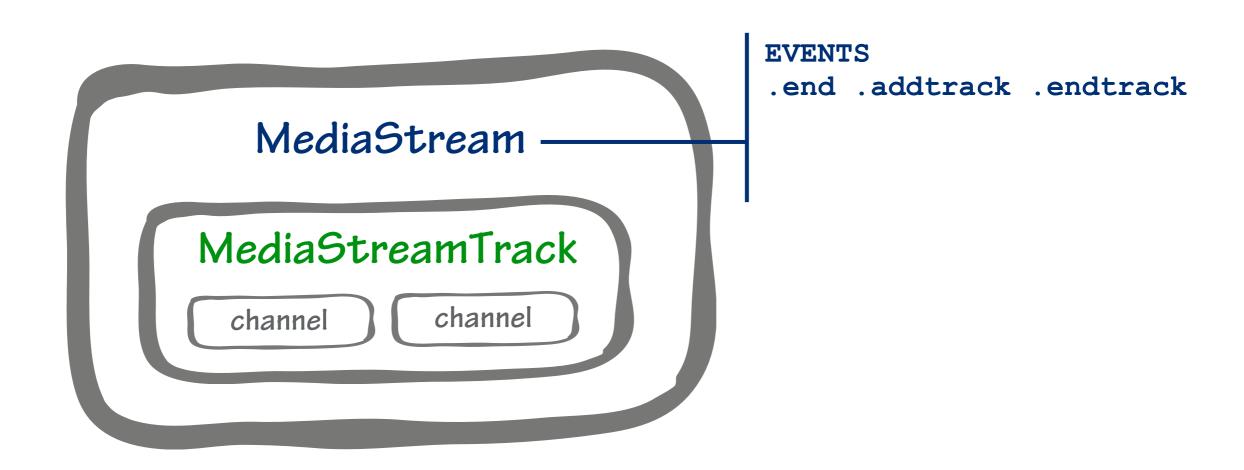


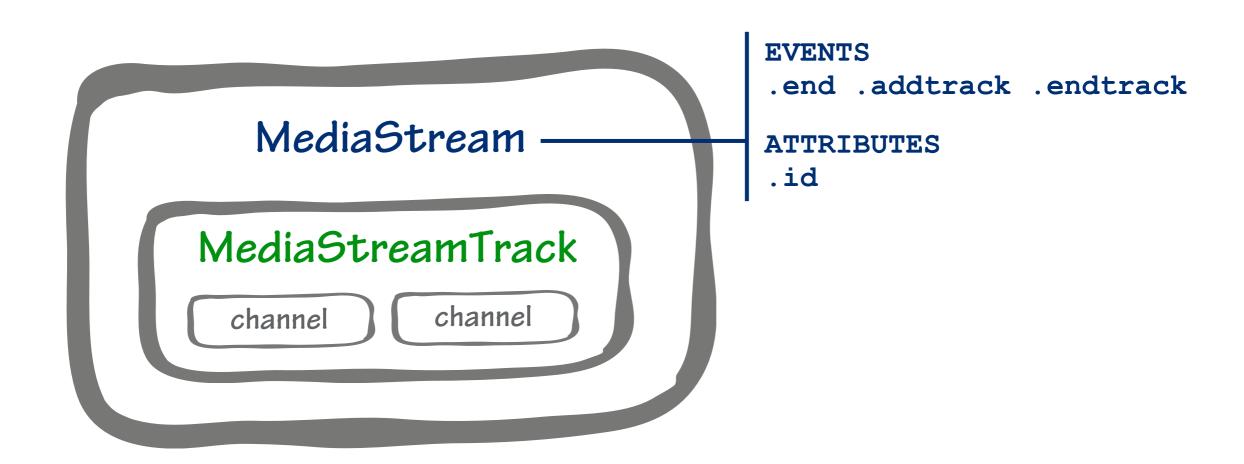


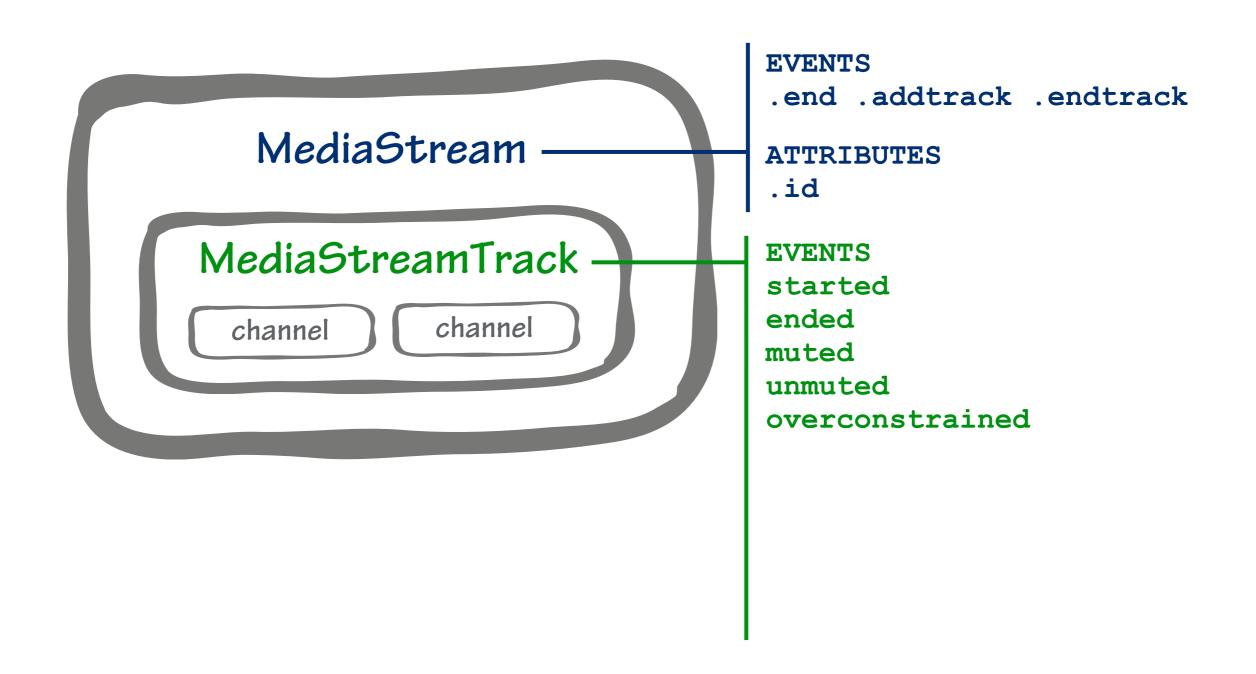
MediaStream

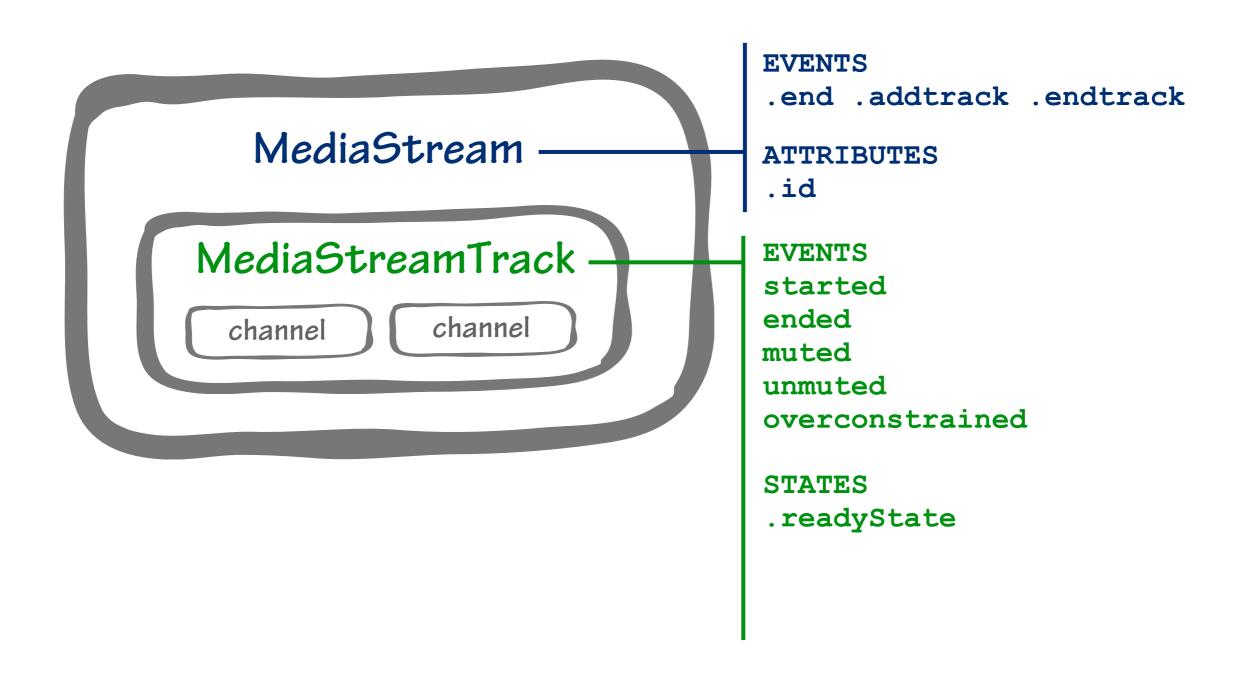
MediaStreamTrack

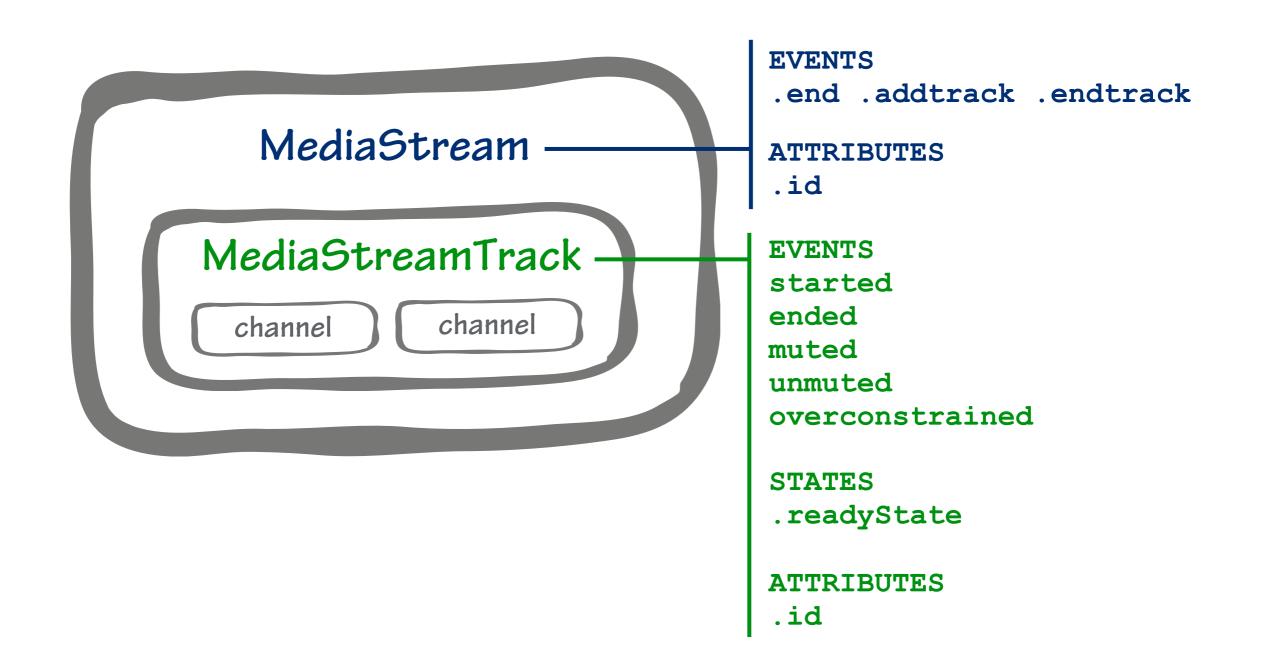






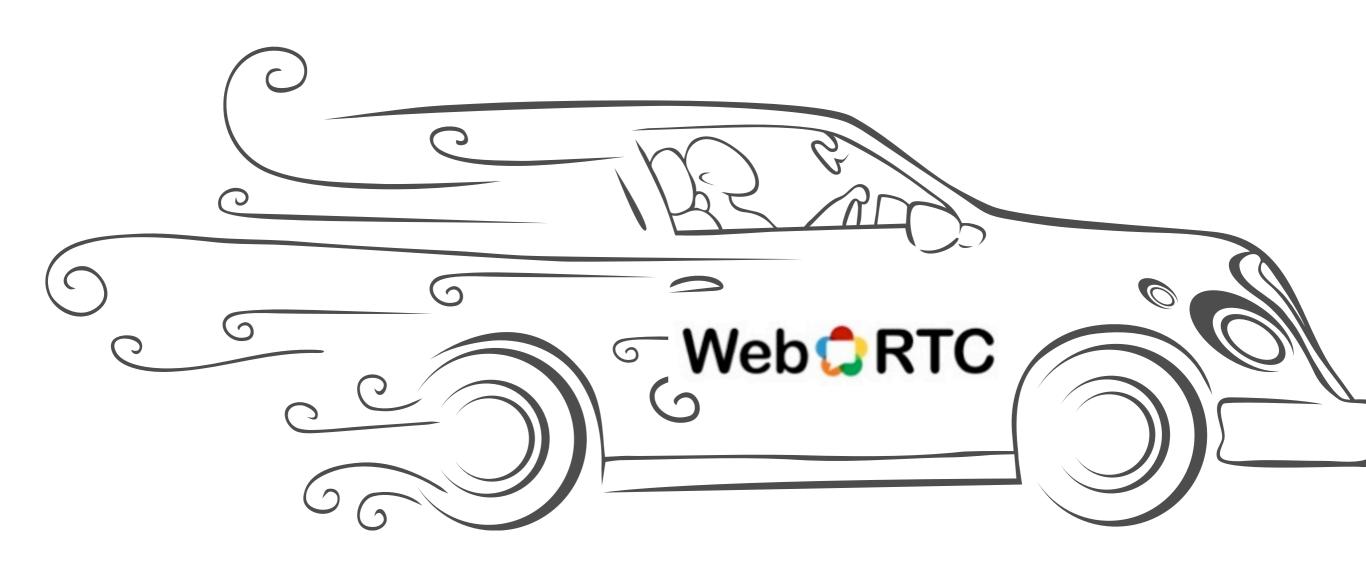






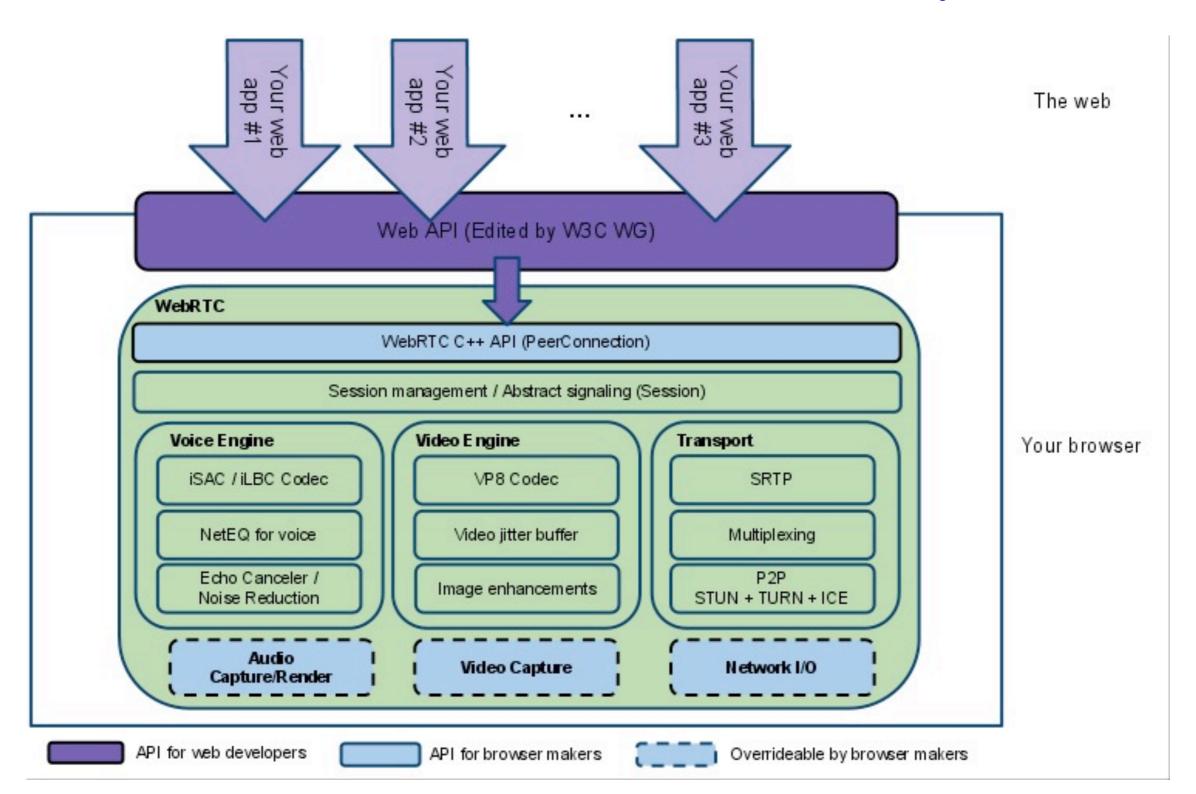


RTCPeerConnection, Under the Hood



RTCPeerConnection, Under the Hood

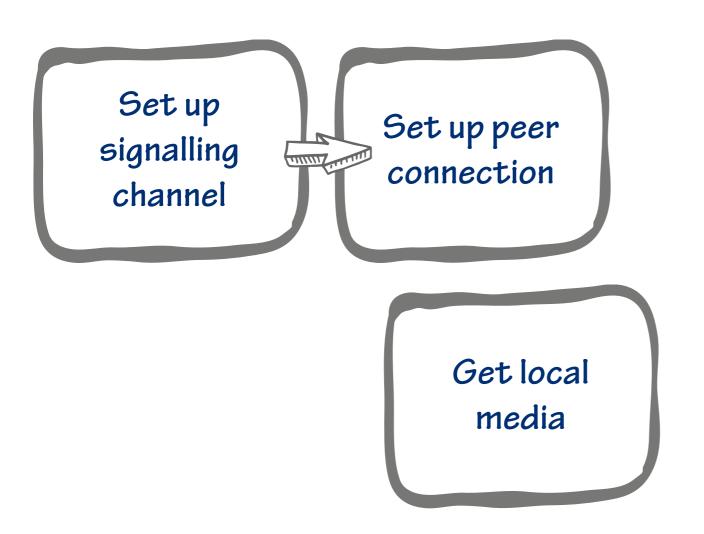
via www.WebRTC.org

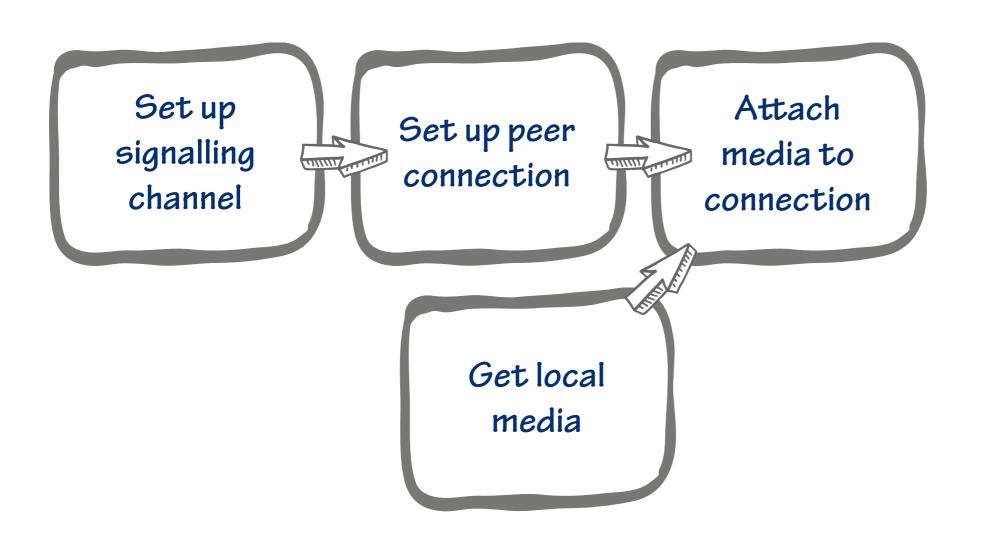


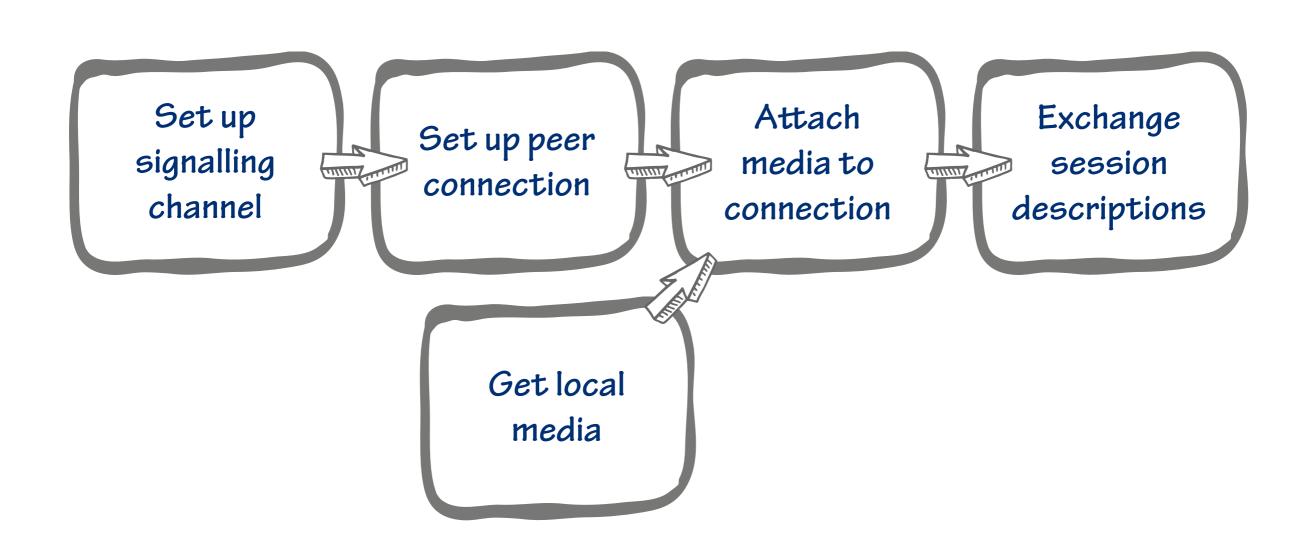


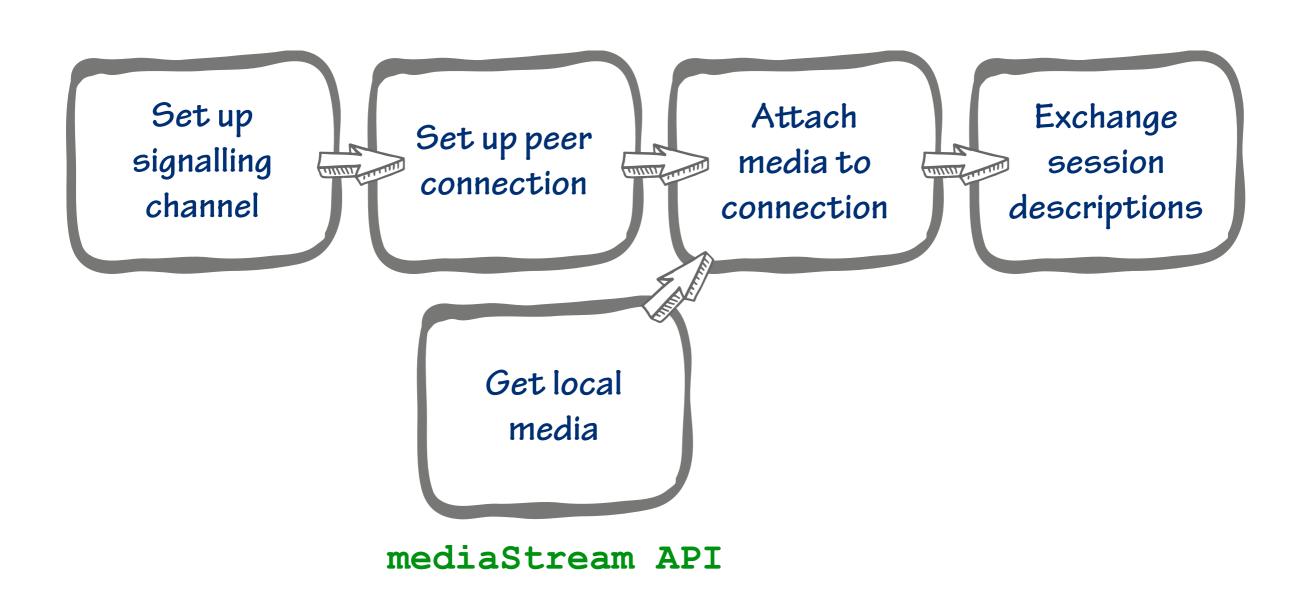
Set up signalling channel

Get local media

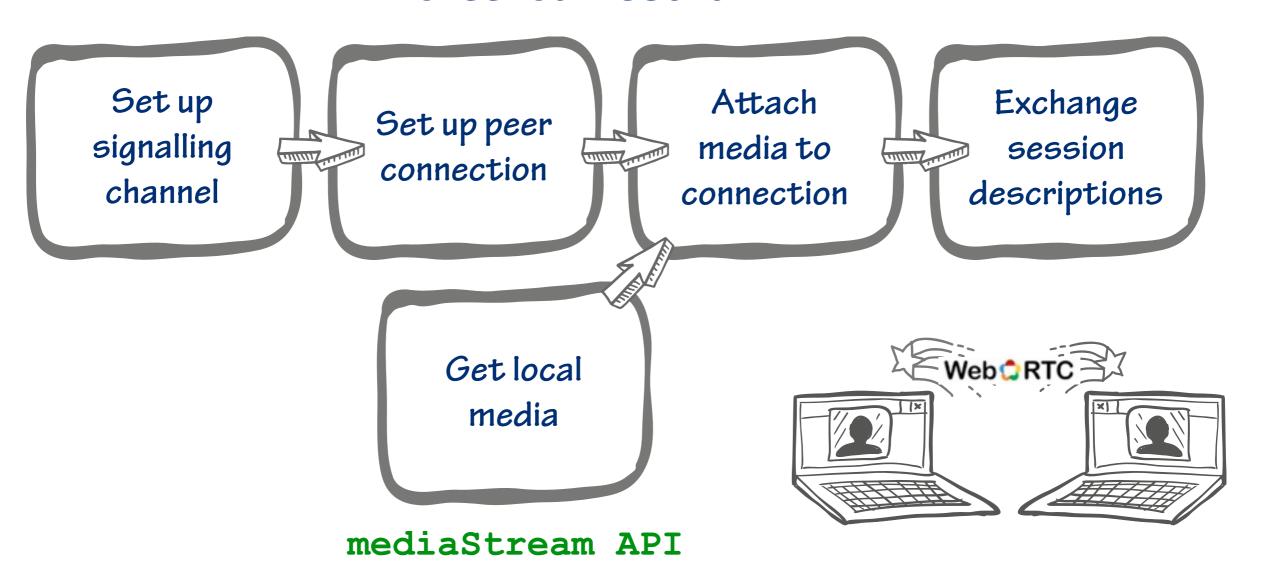








RTCPeerConnection API





```
myPeerConnection =
  new webkitRTCPeerConnection(config, constraints);
```

```
myPeerConnection =
    new webkitRTCPeerConnection(config, constraints);

myPeerConnection = new webkitRTCPeerConnection(null);
```



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 - □ Text chat
 - **□** Remote applications
 - **□** File transfer

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- Datagram Transport Layer Security (DTLS)
- Congestion control

File Sharing

File Sharing

http://sharefest.me

Distributed Content Delivery

Distributed Content Delivery

http://peercdn.com

RTCDataChannel API

RTCDataChannel API

var datachannel = myPeerConnection.createDataChannel(label);

