

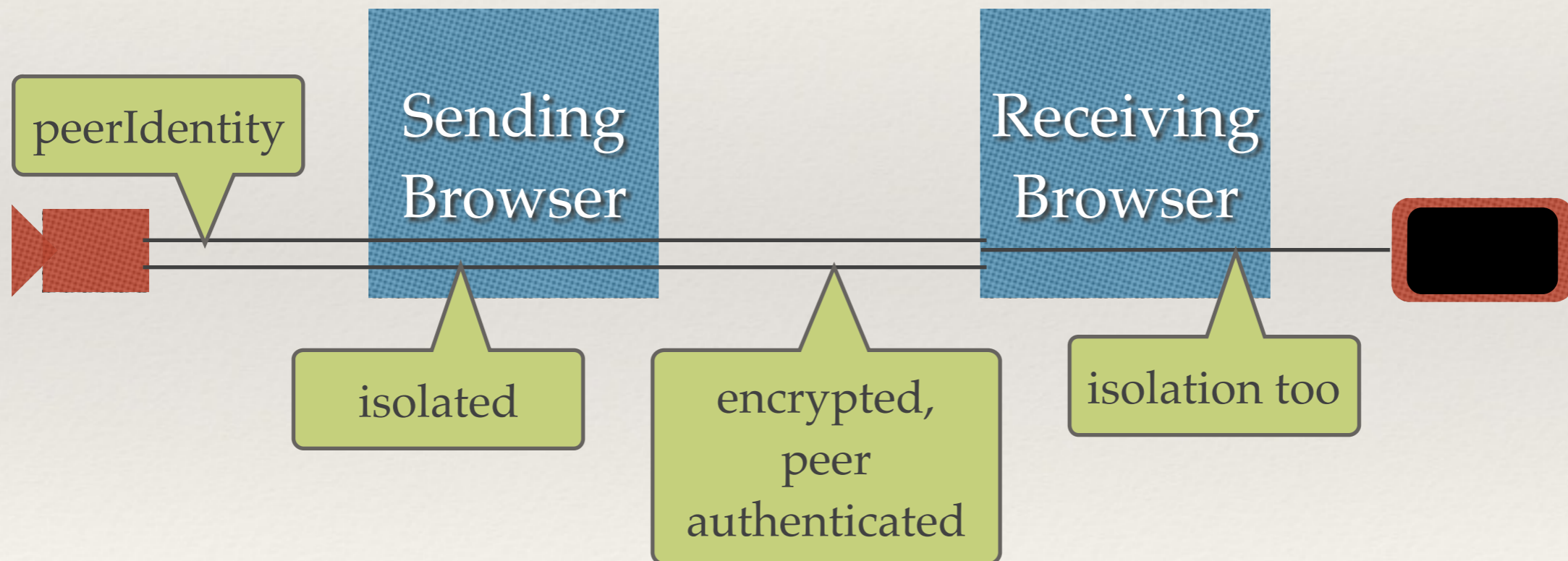
W3C stuff

Identity and Streams

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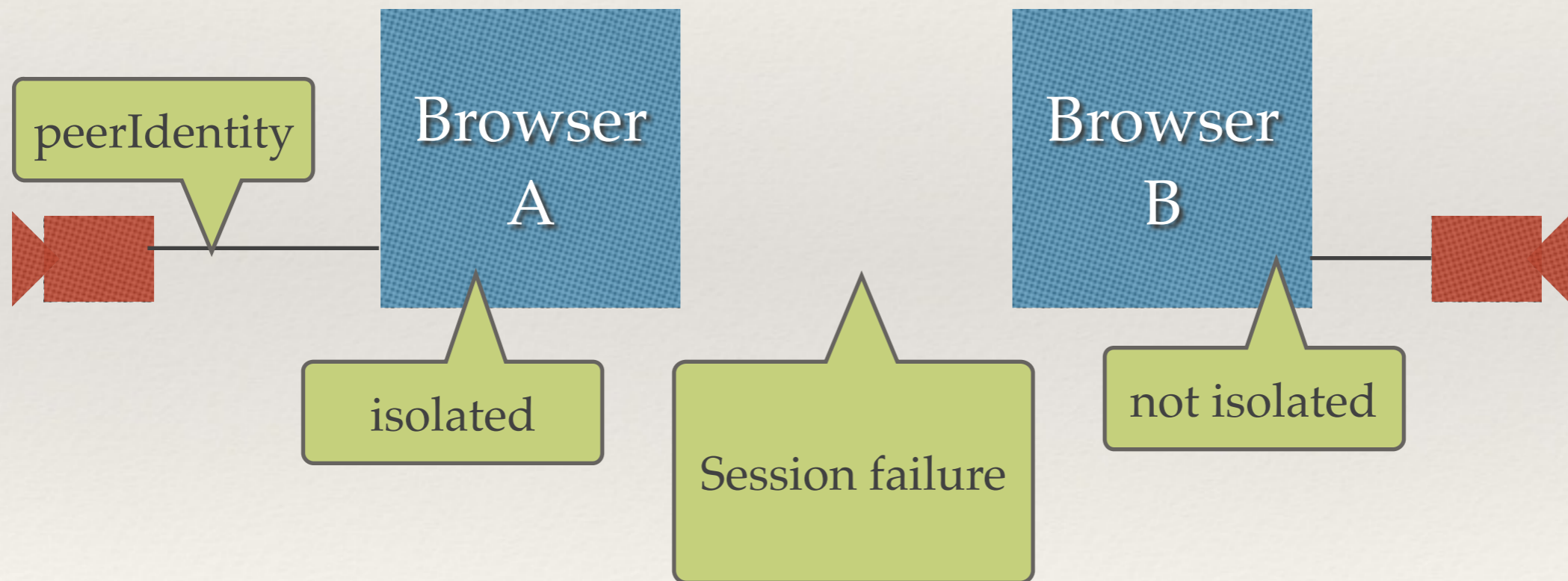
Stream Isolation

- ❖ A receiver should soon be able to distinguish between streams that are isolated at the source and regular streams



Problem

- ❖ A mismatch causes DTLS to fail to negotiate



Proposal

- ❖ Request that the IETF WG create a marker in the SDP that would allow the API to detect this failure
- ❖ If isolation is in the remote SDP and we aren't isolated, either:
 - ❖ A) Fail setRemoteDescription (easy)
 - ❖ B) Check if local streams can be isolated, and isolate them, otherwise, fail setRemoteDescription (bleargh)

requestIdentity

- ❖ Reminder: RTCConfiguration parameter with three values: “yes”, “ifconfigured”, “no”.
- ❖ Originally included in support of browsers having IdP configuration
- ❖ We don't need this, does anyone else?

Stream Issues

captureStream[UntilEnded]

- ❖ For a media element (<video>, <audio>), be able to create a media stream from its contents
- ❖ Great for web audio
 - ❖ ... also a potential source of WebRTC streams
- ❖ captureStream generates media from the source
- ❖ captureStreamUntilEnded stops when the stream ends
 - ❖ Switching sources causes this to end

Isolation Issues

- ❖ Isolation issues are similar to those for other MediaStream
- ❖ Isolation state can change
 - ❖ At HTTP layer, due to redirects on media fragments changing origin
 - ❖ In the page, due to switching of source (captureStream only)
- ❖ Current implementation in Firefox causes these media streams to become inaccessible while they contain cross origin content
 - ❖ Potential drawback is that media from x.com can't be sent to x.com using WebRTC

Blocked Streams

- ❖ Streams can become “blocked” for several reasons:
 - ❖ Pausing the media element
 - ❖ Becoming isolated
 - ❖ WebRTC pause
 - ❖ Network blips
- ❖ This usually manifests as either a frozen frame or solid black in video, and silence in audio playback
- ❖ MediaRecorder might need to know about this
 - ❖ Should we add an option (and all that entails upstream) to elide these gaps from recordings?

Boring Process Stuff

- ❖ What do we want to do with `captureWosname`?
- ❖ We've found it to be useful, but we haven't seen a lot of interest
- ❖ Options seem to be:
 - ❖ it is an abomination and should not be allowed to live
 - ❖ not right now, or not right here, or whatever man
 - ❖ adopt this cute kitten, it's adorable