

How to demux a RTP packet

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The Issues

- Just PT (Payload Type) is not enough for applications that want to use hundreds of different video flows
- Just SSRC is not enough for applications that want to render received media before learning the SSRC or while SSRC is changing
- Future extensions might add shim as a different demux point
- Future extensions might add an RTP header extension as a demux point

Proposal

- Application will demux based on what it know:
 - If the PT type is unique, use it
 - If application knows the SSRC, use it
 - If future RFCs define new things, application can use them too
- This is trivial to implement

Impact

- Could still choose plan A or plan B for RTCWeb and would work with previous proposal
- Works for CLUE as far as I understand what is needed in CLUE
- UCIF may be going a direction that would need this too (I'm not too familiar with UCIF ...)